MARVEL STUDIOS ANTEMAN® WASP OUANTUMANANA

MARVEL STUDIOS ANT-MAN WASP OUANTUMANANA



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MARVEL STUDIOS Presents

> A KEVIN FEIGE Production

ANT-MAN-WASP QUANTUMAN WASP

Directed by	
Written by Produced by	
-	
	STEPHEN BROUSSARD, p.g.a.
Executive Producers	LOUIS D'ESPOSITO
	VICTORIA ALONSO
	KEVIN DE LA NOY
Co-Producers	MITCH BELL
	LAURA STOLTZ
Director of Photography	BILL POPE
Production Designer	
Edited by	
	LAURA JENNINGS

Based on the MARVEL COMICS

	JUNICS
Costume Designer	SAMMY SHELDON DIFFER
Visual Effects Supervisor	JESSE JAMES CHISHOLM
Visual Effects Producer	. FIONA CAMPBELL WESTGATE
Music by	CHRISTOPHE BECK
Music Supervisor	DAVE JORDAN
Casting by	SARAH HALLEY FINN, C.S.A.

Second Unit Director	DAN DELEEUW
Unit Production Manager	
Unit Production Manager	
First Assistant Director	
Key Second Assistant Director	IOM RYE
First Assistant Director	. JAMIE CHRISTOPHER
Visual Development Supervisor	ANDY PARK
Associate Producer	
Additional VFX Supervisor	
Supervising Sound Editors	
	KIMBERLY PATRICK
Re-Recording Mixers	LORA HIRSCHBERG
-	BONNIE WILD
Creative Finishing Supervisor	EVAN JACOBS
Supervising Finishing Artist	

	451
Scott Lang/Ant-Man	PAUL RUDD
Hope Van Dyne/The Wasp	EVANGELINE LILLY
Dr. Hank Pym	MICHAEL DOUGLAS
	MICHELLE PFEIFFER
	JONATHAN MAJORS
	KATHRYN NEWTON
· · · · · · · · · · · · · · · · · · ·	
	KATY O'BRIAN
	WILLIAM JACKSON HARPER
	JAMES CUTLER
Veb	DAVID DASTMALCHIAN
Jimmy Woo	RANDALL PARK
Patrol Police Officer/On-Set M.O.	D.O.K MARK WEINMAN
Axia Restaurant Maitre D'	ROSS MULLAN
	TOM CLARK
	LEON COOKE
Avia Postaurant Waitors	NATHAN BLEES
	DURASSIE KIANGANGU
	LIRAN NATHAN
	SAM SYMONS
Broccoli Man	GRAHAME FOX
Corrections Officer	NICOLA PELUSO
Booking Officer	HARRISON DANIELS
	BRAHMDEO SHANNON RAMANA
•	RUSSELL BALOGH
	LEONARDO TAIWO
	OSIAN ROBERTS
Book Signing Audience	LUCAS GERSTEL
	MIA GERSTEL
	TRACY JEFFREY
	DINAH JEFFREY
	JUDY JEFFREY
	JOHN NAYAGAM
	GRETA NAYAGAM
	CATHY SAI
	ADAM SAL
	JAMIE SAI
Young Ant Man Fan	JAKARI FRASER
-	
	PATRICIA BELCHER
	MARK OLIVER EVERETT
	RUBEN RABASA
	MELANIE GARCIA
Dale	GREGG TURKINGTON
Waiter	SIERRA KATOW
Toasting Man	RYAN BERGARA
•	MARIELLE SCOTT
-	JAKE MILLGARD
	DEY YOUNG
	BRIZA COVARRUBIAS
waitstan	TESS AUBERT
	DAVID J. CASTILLO
	SIR CORNWELL
	ALAN HEITZ
Alien World Citizens	ESTHER MCAULEY
	AISLING MARA ANDREICA
	MILTON LOPES
Quantumnaut Voices	ROGER CRAIG SMITH
	MATTHEW WOOD
lanet Van Dyne Acting Double	LOVEDAY SMITH
sallet van byne heting bouble .	

CAST

Lard Krydar Acting Dhate			
	DoubleJOHN TOWNSEND	JUSTIN BARCLAY	Stunt Riggers JOHN BREAM
		JAMIE DOBB	ALARD HUFNER
Acting Doubles			
		GUSTAV VAN RENSBURG	
			DIRK STYDOM
	BRIAN KRUSE	DOUGLAS WELLS	Creation 11
	THOMAS E. SULLIVAN		Stand-Ins
		MEGAN BEW	CHARLES OHANWE
Stunt Coordinator	GARY POWELL	SARAH PURVIS	THEODORE SMITH
		IVOR WARD-DAVIES	DANIEL WENHAM
	atorMATT STIRLING	ELLA WILKE	
	MARK KELLY		
	CHEY ANICH	Supervising Art Director	NICK GOTTSCHALK
	GRAHAM TERRELL		
Stunt Office Coordinato	rAISLING CHEESMAN		DEAN CLEGG
			GREG FANGEAUX
	nt Double JAMES HARRIS	Art Directors	JORDANA FINKEL
	oubleLAURIANE ROUAULT		LIAM GEORGENSEN
	MARTIN VOSE		HUGH MCCLELLAND
Janet Van Dyne Stunt Do	publesMELISSA HUMLER		KATRINA MACKAY
	MORGANE BUJOLI	Assis	stant Art Directors
	XAVIER LAKE	KEELY LANIGAN-ATKINS	LAURA MILLER
Cassie Stunt Doubles	MAUREEN LAVOYER	MATTHEW ROBINSON	JASMINE LEAN
	AILIS SMITH	TARA ILSLEY	IRENE DIMARCA
	SCOTT BRADY	Standby Art Director	SARAH PADDISON
Jentorra Stunt Double	NILLY CETIN		orMADELEINE MACDONALD
	GARY SMALL	Storyboard Artists	DAVID ALLCOCK
	Stunt Performers		DAVID KRENTZ
PETER ALBERTI	JAMES APPS	Draughtspersons	GRACE-ANNA HAY
BENJAMIN ASHLEY	DANIEL AWDE		HELEN DAWSON
RUSSELL BALOGH	JASON BEESTON		MILLY HANSON
ANNA BENTON	STUART BOOTHER		SILVIA STROPPA
EMMA BRITON	KIT BURDON		EMMA GOODWIN
JON CALLAWAY	THIBAULT CHIRON	Junior Draughtsperson	JAMES CURA
HEATHER CHOO	ALEXANDER CORNE	Concept Modeler	ROBERT BEAN
JASON CURLE	TIM DAVIES	Visual Researcher	PHIL CLARK
RACHAEL EVELYN	DOREN FARMER	Visual Development	SIMON HOLMEDAL
JONATHAN FEE	SOFIAN FRANCIS		MARK LINDNER
PAUL GINNS	MARTIN GORDON	Digital Assets Manager	ROBIN YOUNG
RICHARD HALL	PAUL HAMPSHIRE	Art Department Researche	erOSKAR BROCKBANK
NADIA HANSELL	LUKE HARTY	Art Department Assistants	KATE BEARD
STEVEN JEHU	RENARS LATKOVSKIS		LENKA DOBRANSKA
ANDRE LAYNE	FELIX LEECH		EDWARD HUMPHREYS
RICHARD LEGGETT	DAVID MACDONALD	C	Concept Artists
WILL MACKAY	FREDDIE MASON	THOMAS DU CREST	JACK DUDMAN
STEFAN MICHALACHE	JAKE OSBORN	PHILIPPE GAULIER	EVA KUNTZ
MATTHEW PAINE	CHRIS PAINTER	JON MCCOY	PIETRO NUME
ROB PAVEY	CATHERINE PECK	DARREN QUACH	JAN URSCHEL
ANSKO PITKANEN	MARC RODRIGUES-BERNET	PHILIPP SCHERER	ANDREE WALLIN
ACE RUELE	MATT SHERREN	CALUM ALEXANDER WATT	
JON SLAYER	CURTIS SMALL		
ADAM SMITH	ANNA STEPHENSON	Head of Visual Developme	ntRYAN MEINERDING
GEORGE SURRY	SAM SYMONS		gers HOLLY MYER
JAY VARSANI	ELMO WALKER		SAMANTHA DOUGLAS
NATHAN WHATTON	MARCUS WHITE	Visual Development Coord	linator
STEVEN WHITLEY	JACOB WOOD		ept Artist ALEKSI BRICLOT
SHIRAZ YASIN			ADAM ROSS

Visual Development Con	cept Illustrators
WESI FY BURT	RODNEY FUENTEBELLA
ANTHONY FRANCISCO	IAN JOYNER
JERAD MARANTZ	CONSTANTINE SEKERIS
JOHN STAUB	TULLY SUMMERS
JUSTIN SWEET	JACKSON SZE
ASH THORP	
A Camera/Steadicam Operator	
A Camera First Assistant	LEWIS HUME
A Camera Second Assistant	ARCHIE MULLER
B Camera Operator	JOHN WATTERS
B Camera First Assistant	TOMMY HOLMAN
B Camera Second Assistant	BEN GADSDEN
Central Loader	FREDDIE FITZHERBERT
Camera Trainee	ROSS DIXON
Digital Imaging Technician	JAY PATEL
Digital Imaging Technician Assistant	KRISTI GILLIGAN
Digital Imaging Technician/Video Trair	neeARCHIT HEDGE
Post Production Supervisor	JORDAN BALLARD
First Assistant Editors	SCOTT A. JACOBS
	ROBERT RIVERS MALINA
	RACHEL GOLDSMITH
Second Assistant Editors	Z. TAYLOR BYNUM
	ART OLMOS
	JENNY CACERES
	JAYDA CARDOZA
First Assistant Editors (UK)	
	ROBERT SEALEY
Second Assistant Editor (UK)	
Post Production Coordinator	
Music Editors	STEPHANIE MCNALLY
	GORDON FORDYCE
Post Production Assistants	
	OUINTON CAMERON

	QUINTON CAMERON
Post Production Supervisor (UK)	REBECCA ADAMS
Post Production Coordinator (UK)	BEN SEWARD
Post Production Assistant (UK)	REBECCA ORTON

Additional VFX Supervisor.....JOHN MANGIA

Associate VFX Producer MATTHEW LLOYD VFX Production Manager..... GREG DIGIACOMO VFX Associate Production Managers DJORDJE JUGOVIC CHRIS MCCLINTOCK VFX Senior CoordinatorsESMERALDA RAMIREZ MILLICENT CLARKE VFX Coordinators CLAY KIM SARAH CAVE JAKE HEGGEN MANISHA ROBERTS SARAH PUZIO SANDELL STANGL VFX Assistant CoordinatorsTHOMAS NEUGEBAUER JOSE SANDOVAL SARAH KAZUKO CHOW ANNEKA COLEMAN VFX Graphic Artists..... JAMIE O'HARA SARAH CAVE

VEV Didding Droducorc	
	KRISTINE NADAL WOODDY
The blading roddeels	TIMOTHY CUNNINGHAM
Lead VFX Editor	
VFX Editors	
	EDDY GARCIA
	JEREMY KELLER
Assistant VFX Editors	
	JARON DOWNS
Additional Co-Lead VFX Editors	ALISON WOLF
	PATRICK BARRY
VFX Accountant	NICHOLAS WINDLEY
VFX Payroll Accountant	ERIKA ZAPATA
VFX Marketing Production Manager	
Additional VFX Producers	
	MARLA NETO HENSHAW
Additional VFX Production Managers	
, and the second s	JULIE BROWN
	COLLEEN MURPHY
	SURAJ KHALSA
VEV On Sat Braduction Managar	
VFX On-Set Production Manager	
VFX On-Set Coordinator	
VFX Lead Data Wranglers	
	AMBER FULLWOOD
VFX Data Wranglers	
	ANDREW SHAWLEY
	JOSEPH SEVERN
VFX Assistant Data Wrangler	HARRY FLEET
VFX Texture Photographer	ESTÉ HEYNS
VFX Data Tech	
Add'l Photography VFX Supervisor .	
Supervising Marketing Editor	
VFX Production	
ERIC STEWART	JULIAN BABAD
RALPH SANSUM	LIAM O'SULLIVAN
GRETA OLLANDINI	CONNOR CONATY
GRETA OLLANDINI TINASHE SIAME	CONNOR CONATY
GRETA OLLANDINI TINASHE SIAME Additional Photogra	CONNOR CONATY
GRETA OLLANDINI TINASHE SIAME Additional Photogra DORON KIPPER	CONNOR CONATY phy VFX Crew MEGAN BERNARD
GRETA OLLANDINI TINASHE SIAME Additional Photogra DORON KIPPER STEPHANIE WILLAMS	CONNOR CONATY phy VFX Crew MEGAN BERNARD SAM BARNETT
GRETA OLLANDINI TINASHE SIAME Additional Photogra DORON KIPPER STEPHANIE WILLAMS LOUISE FALCON	CONNOR CONATY phy VFX Crew MEGAN BERNARD SAM BARNETT ZOFIA HALACZEK
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Production Supervisors	MIRANDA MARKS	SFX Assistant Buyer	CHLOE CORBOULD
	KARL MCMILLAN	SFX Assistant Coordinator	
Production Coordinator	JACK TIMBRELL	SFX Health & Safety Advisor	
Assistant Production Coordinators	LAUREN JAMES	SFX Storeperson	DAVID COOK
	MATTHEW ELLIS	SFX Lead Senior Model Maker	PAUL WALLER
Travel & Accommodation Coordinator		SFX Model Maker	EMMA PRITTY
Production Secretaries			
	GRAHAM ROBERTS	SFX Lead Senior Technicians	
Production Trainee			MARK EVANS
Production Technology Support Engineer			DAN WILLIAMS
Physical Assets Assistant			
Script Supervisor		ADAM BANKS CHRIS CLARKE	ADAM STANTON KAROL STACHOWICZ
Assistant Script SupervisorCHAF		FREDRICK BUHGIAR	WILL BRETT
Floor Second Assistant Director		CHARLIE PEDERSEN	GARTH GUTTERIDGE
Crowd Second Assistant Director		PATRICK O'SULLIVAN	NOAH MEDDINGS
Base Third Assistant Director		LUKE MARCEL	Noral Meddines
Floor Third Assistant Director		SFX Tecl	hnicians
Studio Unit Manager		JONNY ORAM	SEAN CLARKE
Studio Unit Assistant Manager		SEAN LEESON	STUART KERR
Production Assista		NEIL MCKELVEY	SIMON PARASKEVAS
AMIE BERRIMAN	ABIE CROOK	ANDY HOMAN	JAYDAN SMITH
LUCA FRANCHI	HANNAH GRAY	KIRI LOUCA	FRANK GUINEY
LUCY MAY HENO	ISOBEL HUMPHRIES	ROBERT WHELAN	LUKE TURNER
PANOS KORDAS	LILY LEWIN	MAX BURSLEM	
STELLA MCGUINNESS	ALASTAIR MIDDLER		gineers
FRANCESCA MILLEA	RAJESHE RATTU		ROSS RUTHERFORD-JONES
ED RYAN SCARLET WHITMARSH	LOVEDEEP SINGH	CHRISTOPHER WRAGG LEE LALLY	TOMASZ PODRAZA HARRY RHYS
SCARELY WITTMANSIT		LUI MATTHEWS	MARK DAY
Financial Controller	JAMES RICHARDSON	SFX Assistant Technicians	
Production Accountant			CONNOR WADE
Payroll Supervisor			JAMES SMITH
Payroll Accountant		SFX Trainees	JAKE TRIPP
Payroll Accounts Assistant			LOUIS GUYON
Payroll Clerk	GURVINDER GILL		ALFIE WOOD
AP Supervisor			HENRY OLLIFFE
AP Accounts Assistants			
	EMILY MANSELL	Property Master	
A second claule		Additional Property Master	
Accounts Clerk		Supervising Prop Hands	LAURENCE WELLS
Accounts Assistants		Supervising Standby Prop Hand .	
	GEORGE FERGUSON	Assistant Standby Prop Hands	
	HENRY LAMB		CONOR O'HAGAN
	BILLY WIZ	Props Supervisor	
		Chargehand Prop Hands	
SFX Supervisor	PAUL CORBOULD		RYAN SAWARD
			TOM RACKLEY
SFX Asst. Supervisor/Design Supervisor			JOE BLOCK
SFX Floor Supervisor		Senior Prop Hand	
SFX Workshop SupervisorSFX Design Technician		Prop Trainee	
SFX Design Technician		Prop Department Coordinator	
SFX Design Engineer		Action Prop Buyer	
SFX Wire Engineer.			
SFX Electrical Senior Technician		Props Assistant/Buyer	
SFX Electrical Technician		Props Concept Artist	
SFX Manager	LAURENCE WEST	Props CAD Draughtsperson	FIONA GUEST
SFX Buyer	SOPHIE CORBOULD	HOD Prop Maker	DUNCAN MCDEVITT

SFX Assistant Buyer	CHLOE CORBOULD
SFX Assistant Coordinator	
SFX Health & Safety Advisor	
SFX Storeperson	
SFX Lead Senior Model Maker	
SFX Model Maker	EMMA PRITTY
SFX Lead Senior Technicians	JAIMIE CORBOULD
	MARK EVANS
	DAN WILLIAMS
SFX Senior Technicia	ns
ADAM BANKS	ADAM STANTON
CHRIS CLARKE	KAROL STACHOWICZ
FREDRICK BUHGIAR	WILL BRETT
CHARLIE PEDERSEN	GARTH GUTTERIDGE
PATRICK O'SULLIVAN	NOAH MEDDINGS
	NOAITMEDDINGS
LUKE MARCEL SEX Technicians	
JONNY ORAM	SEAN CLARKE
SEAN LEESON	STUART KERR
NEIL MCKELVEY	SIMON PARASKEVAS
ANDY HOMAN	JAYDAN SMITH
KIRI LOUCA	FRANK GUINEY
ROBERT WHELAN	LUKE TURNER
MAX BURSLEM	
SFX Engineers	
5	S RUTHERFORD-JONES
CHRISTOPHER WRAGG	TOMASZ PODRAZA
LEE LALLY	HARRY RHYS
LUI MATTHEWS	MARK DAY
SFX Assistant Technicians	
	CONNOR WADE
	JAMES SMITH
SFX Trainees	
	LOUIS GUYON
	ALFIE WOOD
	HENRY OLLIFFE
Property Master	DAVID BALFOUR
Additional Property Master	JOHN WELLS
Supervising Prop Hands	JOE BOVINGTON
	LAURENCE WELLS
Supervising Standby Prop Hand	BRADI FY TORBETT
Assistant Standby Prop Hands	
	CONOR O'HAGAN
Props Supervisor	
Chargehand Prop Hands	
	RYAN SAWARD
	TOM RACKLEY
	JOE BLOCK
Senior Prop Hand	
Prop Trainee	
Junior Painter	ISABELLE WILKINS
Prop Department Coordinator	KELLY NEARY
Action Prop Buyer	
Assistant Props Buyer	
Props Assistant/Buyer	
Props Concept Artist	
Props CAD Draughtsperson	
HOD Prop Maker	

	or/Buyer FAWN MULLER	Drapes Master	JESSE JONES
Supervising Modelers .	NOEL KELLETT	Supervising Drapesperson	ROSS ADAMS
	GARY RYAN	Upholsterer	
Chargehand Modeler	ANDREA SINIGAGLIA	Set Dec Trainee	
Assistant Prop Modeler	S CHARLOTTE EMERSON	Video Operator	
	ALFIE KILLICK	Video Assistant	
	Prop Hands	Network Infrastructure Technician	
ALEX KEMP	ALEJANDRO MACKAY	Gaffer	
MICHAEL BLAKE	DOUGLAS REYNOLDS	Best Boy	
GREG ODDOYE	DANIEL RALPH	Shooting Electricians	
NEIL COLLINS	DANIELIALITI		GEORGE BENTLEY
	cristant Dron Hands		THOMAS MOSS
	ssistant Prop Hands	Standby Flastrical Discor	
THOMAS BRADY	SEBASTIAN DAVIES	Standby Electrical Rigger	
BOBBY KITSON	CHRISTIANNA KOULOUMPI	HOD Practical Electrician	
ISABELLA MOREALE		Practical Electrical Supervisor	
	enior Prop Modelers	Workshop Chargehand	
ALAN HARDY	MATTHEW WILLIAM BARNES	Chargehand Practical Electrician	
CHRIS TRICE	GARY POLLARD	Rigging Gaffer	
SHELLEY JOHN RUDDO	СК	Electrical Rigging Supervisor	
	Prop Modelers	Electrical Rigging Chargehand	MARK MILLS
STEVE CRUMP	PUNEET KAUR		MARK FUNNELL
ELIZABETH MOSES	RICHARD SYMONS	HOD Electrical Rigger	DANNY WEBSTER
PATRICK LAURIE	KEELY SHEPHARD	Supervising Electrical Rigger	
CAMAY SUNGU	SEAN KELLY	Chargehand Electrical Riggers	
GEORGIA SANDERSON	CHRISTOPHER TOPLEY		JAMES SAWARD
KEVIN HARRIS	NATALIE OAKLEY	Desk Operators	
FAITH CAREY	JESSICA MARTIN		PETER GILMOUR
JOCELYN BENNETT-SNE		Rigging Desk Operator	EWAN CAMEBON
NEIL SWEENEY		Practical Elect	
	op Modeling Trainees	RICHARD BATSON	GLENN BELLIS
SIDORELA SHABI	MILO RODGERS	CHRIS CROOK	CHRIS DAY
JAMES CURTIS	OWEN MCBURNIE-BALFOUR		TOM VEAL
	OWEN WICDURINIE-DALFOUR	ALEX KILLORAN	
GABRIELLA MATTERA		Digging Lloct	licianc
		Rigging Electr	
Cot Do compton		JOHN ASH	TONY BURNS
		JOHN ASH DANIEL BUTLER	TONY BURNS DAVID CLEMENTS
Production Buyer	KRYSIA WHITTY	JOHN ASH DANIEL BUTLER EUGENE GROBLER	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON
Production Buyer Set Dresser	KRYSIA WHITTY MICKAELA TRODDEN	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH
Production Buyer Set Dresser		JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL
Production Buyer Set Dresser Assistant Set Decorator		JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL Igers
Production Buyer Set Dresser Assistant Set Decorator Set Dec Art Director		JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL Igers CHRISTOPHER BUCKLEY
Production Buyer Set Dresser Assistant Set Decorator Set Dec Art Director Set Dec Assistant Art Di	KRYSIA WHITTY MICKAELA TRODDEN sMELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL Igers
Production Buyer Set Dresser Assistant Set Decorator Set Dec Art Director Set Dec Assistant Art Di	KRYSIA WHITTY MICKAELA TRODDEN sMELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE ALICE MAYHEW	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN JAMES BUSBY ANDREW CROZIER	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL Igers CHRISTOPHER BUCKLEY KENDALL COMMINS CARL DAVIES
Production Buyer Set Dresser Assistant Set Decorator Set Dec Art Director Set Dec Assistant Art Di Assistant Buyers	KRYSIA WHITTY MICKAELA TRODDEN s MELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE ALICE MAYHEW BONNIE VANUCCI	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN JAMES BUSBY	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL Igers CHRISTOPHER BUCKLEY KENDALL COMMINS
Production Buyer Set Dresser Assistant Set Decorator Set Dec Art Director Set Dec Assistant Art Di Assistant Buyers	KRYSIA WHITTY MICKAELA TRODDEN sMELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE ALICE MAYHEW	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN JAMES BUSBY ANDREW CROZIER	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL Igers CHRISTOPHER BUCKLEY KENDALL COMMINS CARL DAVIES
Production Buyer Set Dresser Assistant Set Decorator Set Dec Art Director Set Dec Assistant Art Di Assistant Buyers	KRYSIA WHITTY MICKAELA TRODDEN s MELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE ALICE MAYHEW BONNIE VANUCCI	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN JAMES BUSBY ANDREW CROZIER JAMIE HORWOOD	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL Igers CHRISTOPHER BUCKLEY KENDALL COMMINS CARL DAVIES GAVIN MEW
Production Buyer Set Dresser Assistant Set Decorator Set Dec Art Director Set Dec Assistant Art Di Assistant Buyers Set Dec Coordinators	KRYSIA WHITTY MICKAELA TRODDEN MICKAELA TRODDEN MELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE ALICE MAYHEW BONNIE VANUCCI SUSIE COLERIDGE-SMITH	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN JAMES BUSBY ANDREW CROZIER JAMIE HORWOOD BLU O'REILLY	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL Igers CHRISTOPHER BUCKLEY KENDALL COMMINS CARL DAVIES GAVIN MEW ALFIE PURTON
Production Buyer Set Dresser Assistant Set Decorator Set Dec Art Director Set Dec Assistant Art Di Assistant Buyers Set Dec Coordinators Set Dec Assistant	KRYSIA WHITTY MICKAELA TRODDEN MICKAELA TRODDEN S MELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE ALICE MAYHEW BONNIE VANUCCI SUSIE COLERIDGE-SMITH JOCELYN PUDDEPHAT	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN JAMES BUSBY ANDREW CROZIER JAMIE HORWOOD BLU O'REILLY TERRY RICHARDS	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL Igers CHRISTOPHER BUCKLEY KENDALL COMMINS CARL DAVIES GAVIN MEW ALFIE PURTON JON SEXTON
Production Buyer Set Dresser Assistant Set Decorator Set Dec Art Director Set Dec Assistant Art Di Assistant Buyers Set Dec Coordinators Set Dec Assistant Set Dec Sistant Production Sound Mixed	KRYSIA WHITTY MICKAELA TRODDEN MICKAELA TRODDEN MELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE ALICE MAYHEW BONNIE VANUCCI SUSIE COLERIDGE-SMITH JOCELYN PUDDEPHAT AISHA SAMUELS rGARETH JOHN	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN JAMES BUSBY ANDREW CROZIER JAMIE HORWOOD BLU O'REILLY TERRY RICHARDS SCOTT SMITH	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL Igers CHRISTOPHER BUCKLEY KENDALL COMMINS CARL DAVIES GAVIN MEW ALFIE PURTON JON SEXTON ROBERT WELLER
Production Buyer Set Dresser Assistant Set Decorator Set Dec Art Director Set Dec Assistant Art Di Assistant Buyers Set Dec Coordinators Set Dec Assistant Set Dec Assistant Production Sound Mixe Key First Assistant Sound	KRYSIA WHITTY MICKAELA TRODDEN MICKAELA TRODDEN SMELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE ALICE MAYHEW BONNIE VANUCCI SUSIE COLERIDGE-SMITH JOCELYN PUDDEPHAT AISHA SAMUELS rGARETH JOHN dTOM HARRISON	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN JAMES BUSBY ANDREW CROZIER JAMIE HORWOOD BLU O'REILLY TERRY RICHARDS SCOTT SMITH Key Grip	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL gers CHRISTOPHER BUCKLEY KENDALL COMMINS CARL DAVIES GAVIN MEW ALFIE PURTON JON SEXTON ROBERT WELLER
Production BuyerSet DresserAssistant Set DecoratorSet Dec Art DirectorSet Dec Assistant Art DiAssistant BuyersSet Dec CoordinatorsSet Dec AssistantSet Dec AssistantProduction Sound MixeKey First Assistant SoundFirst Assistant Sound	KRYSIA WHITTY MICKAELA TRODDEN SMELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE ALICE MAYHEW BONNIE VANUCCI SUSIE COLERIDGE-SMITH JOCELYN PUDDEPHAT AISHA SAMUELS rGARETH JOHN dTOM HARRISON FREYA CLARKE	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN JAMES BUSBY ANDREW CROZIER JAMIE HORWOOD BLU O'REILLY TERRY RICHARDS SCOTT SMITH Key Grip Best Boy Grip	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL Igers CHRISTOPHER BUCKLEY KENDALL COMMINS CARL DAVIES GAVIN MEW ALFIE PURTON JON SEXTON ROBERT WELLER
Production Buyer Set Dresser Assistant Set Decorator Set Dec Art Director Set Dec Assistant Art Di Assistant Buyers Set Dec Coordinators Set Dec Assistant Set Dec Coordinators Set Dec Assistant Production Sound Mixe Key First Assistant Sound First Assistant Sound Second Assistant Sound	KRYSIA WHITTY MICKAELA TRODDEN MICKAELA TRODDEN SMELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE ALICE MAYHEW BONNIE VANUCCI SUSIE COLERIDGE-SMITH JOCELYN PUDDEPHAT AISHA SAMUELS rAISHA SAMUELS rGARETH JOHN dFREYA CLARKE	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN JAMES BUSBY ANDREW CROZIER JAMIE HORWOOD BLU O'REILLY TERRY RICHARDS SCOTT SMITH Key Grip Best Boy Grip A Camera Grip	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL Igers CHRISTOPHER BUCKLEY KENDALL COMMINS CARL DAVIES GAVIN MEW ALFIE PURTON JON SEXTON ROBERT WELLER
Production BuyerSet DresserAssistant Set DecoratorSet Dec Art DirectorSet Dec Assistant Art DiAssistant BuyersSet Dec CoordinatorsSet Dec AssistantSet Dec AssistantSet Dec AssistantSet Dec AssistantSet Dec AssistantFirst Assistant SoundFirst Assistant SoundSecond Assistant SoundSound Trainee	KRYSIA WHITTY MICKAELA TRODDEN MICKAELA TRODDEN S MELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE ALICE MAYHEW BONNIE VANUCCI SUSIE COLERIDGE-SMITH JOCELYN PUDDEPHAT AISHA SAMUELS rGARETH JOHN dTOM HARRISON FREYA CLARKE dAYESHA BREITHAUPT ROBYN LEONARD	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN JAMES BUSBY ANDREW CROZIER JAMIE HORWOOD BLU O'REILLY TERRY RICHARDS SCOTT SMITH Key Grip	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL Igers CHRISTOPHER BUCKLEY KENDALL COMMINS CARL DAVIES GAVIN MEW ALFIE PURTON JON SEXTON ROBERT WELLER
Production BuyerSet DresserAssistant Set DecoratorSet Dec Art DirectorSet Dec Assistant Art DiAssistant BuyersSet Dec CoordinatorsSet Dec AssistantSet Dec AssistantSet Dec AssistantSet Dec AssistantSet Dec AssistantFirst Assistant SoundFirst Assistant SoundSecond Assistant SoundSound Trainee	KRYSIA WHITTY MICKAELA TRODDEN MICKAELA TRODDEN S MELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE ALICE MAYHEW BONNIE VANUCCI SUSIE COLERIDGE-SMITH JOCELYN PUDDEPHAT AISHA SAMUELS rGARETH JOHN dTOM HARRISON FREYA CLARKE AAYESHA BREITHAUPT ROBYN LEONARD HANNAH KONS	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN JAMES BUSBY ANDREW CROZIER JAMIE HORWOOD BLU O'REILLY TERRY RICHARDS SCOTT SMITH Key Grip	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL Igers CHRISTOPHER BUCKLEY KENDALL COMMINS CARL DAVIES GAVIN MEW ALFIE PURTON JON SEXTON ROBERT WELLER STEVE ELLINGWORTH PETE HAYLEY-BARKER KENNY MUSSON JOSHUA MORGAN GREEN SAM HEMINGWAY
Production Buyer Set Dresser Assistant Set Decorator Set Dec Art Director Set Dec Assistant Art Di Assistant Buyers Set Dec Coordinators Set Dec Coordinators Set Dec Assistant Production Sound Mixe Key First Assistant Sound First Assistant Sound Second Assistant Sound Sound Trainee Lead Graphic Designers	KRYSIA WHITTY MICKAELA TRODDEN MICKAELA TRODDEN SMELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE ALICE MAYHEW BONNIE VANUCCI SUSIE COLERIDGE-SMITH JOCELYN PUDDEPHAT AISHA SAMUELS rGARETH JOHN dTOM HARRISON FREYA CLARKE AAYESHA BREITHAUPT ROBYN LEONARD HANNAH KONS JOSIE KEALY	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN JAMES BUSBY ANDREW CROZIER JAMIE HORWOOD BLU O'REILLY TERRY RICHARDS SCOTT SMITH Key Grip	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL gers CHRISTOPHER BUCKLEY KENDALL COMMINS CARL DAVIES GAVIN MEW ALFIE PURTON JON SEXTON ROBERT WELLER STEVE ELLINGWORTH PETE HAYLEY-BARKER KENNY MUSSON JOSHUA MORGAN GREEN SAM HEMINGWAY MIHAI NEGOITA
Production Buyer Set Dresser Assistant Set Decorator Set Dec Art Director Set Dec Assistant Art Di Assistant Buyers Set Dec Coordinators Set Dec Coordinators Set Dec Assistant Production Sound Mixe Key First Assistant Sound First Assistant Sound Second Assistant Sound Sound Trainee Lead Graphic Designers	KRYSIA WHITTY MICKAELA TRODDEN MICKAELA TRODDEN SMELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE ALICE MAYHEW BONNIE VANUCCI SUSIE COLERIDGE-SMITH JOCELYN PUDDEPHAT AISHA SAMUELS rGARETH JOHN dTOM HARRISON FREYA CLARKE AAYESHA BREITHAUPT ROBYN LEONARD MANNAH KONS JOSIE KEALY CLARISSA COLLINS	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN JAMES BUSBY ANDREW CROZIER JAMIE HORWOOD BLU O'REILLY TERRY RICHARDS SCOTT SMITH Key Grip	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL gers CHRISTOPHER BUCKLEY KENDALL COMMINS CARL DAVIES GAVIN MEW ALFIE PURTON JON SEXTON ROBERT WELLER STEVE ELLINGWORTH PETE HAYLEY-BARKER KENNY MUSSON JOSHUA MORGAN GREEN SAM HEMINGWAY MIHAI NEGOITA RUSSELL O'CONNOR
Production Buyer Set Dresser Assistant Set Decorator Set Dec Art Director Set Dec Assistant Art Di Assistant Buyers Set Dec Coordinators Set Dec Coordinators Set Dec Assistant Production Sound Mixe Key First Assistant Sound First Assistant Sound Second Assistant Sound Sound Trainee Lead Graphic Designers	KRYSIA WHITTY MICKAELA TRODDEN MICKAELA TRODDEN SMELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE ALICE MAYHEW BONNIE VANUCCI SUSIE COLERIDGE-SMITH JOCELYN PUDDEPHAT AISHA SAMUELS rAISHA SAMUELS rGARETH JOHN dTOM HARRISON FREYA CLARKE AAYESHA BREITHAUPT ROBYN LEONARD MANNAH KONS JOSIE KEALY CLARISSA COLLINS FLORIAN BONTE	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN JAMES BUSBY ANDREW CROZIER JAMIE HORWOOD BLU O'REILLY TERRY RICHARDS SCOTT SMITH Key Grip	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL Igers CHRISTOPHER BUCKLEY KENDALL COMMINS CARL DAVIES GAVIN MEW ALFIE PURTON JON SEXTON ROBERT WELLER STEVE ELLINGWORTH PETE HAYLEY-BARKER KENNY MUSSON JOSHUA MORGAN GREEN SAM HEMINGWAY MIHAI NEGOITA RUSSELL O'CONNOR
Production Buyer Set Dresser Assistant Set Decorator Set Dec Art Director Set Dec Assistant Art Di Assistant Buyers Set Dec Coordinators Set Dec Coordinators Set Dec Assistant Production Sound Mixe Key First Assistant Sound First Assistant Sound Second Assistant Sound Sound Trainee Lead Graphic Designers	KRYSIA WHITTY MICKAELA TRODDEN MICKAELA TRODDEN SMELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE ALICE MAYHEW BONNIE VANUCCI SUSIE COLERIDGE-SMITH JOCELYN PUDDEPHAT AISHA SAMUELS rGARETH JOHN dTOM HARRISON FREYA CLARKE AAYESHA BREITHAUPT ROBYN LEONARD MANNAH KONS JOSIE KEALY CLARISSA COLLINS MATTHEW SMITH	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN JAMES BUSBY ANDREW CROZIER JAMIE HORWOOD BLU O'REILLY TERRY RICHARDS SCOTT SMITH Key Grip	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL Igers CHRISTOPHER BUCKLEY KENDALL COMMINS CARL DAVIES GAVIN MEW ALFIE PURTON JON SEXTON ROBERT WELLER STEVE ELLINGWORTH PETE HAYLEY-BARKER KENNY MUSSON JOSHUA MORGAN GREEN SAM HEMINGWAY MIHAI NEGOITA RUSSELL O'CONNOR CLIVE TOCHER PAUL JONES
Production Buyer Set Dresser Assistant Set Decorator Set Dec Art Director Set Dec Assistant Art Di Assistant Buyers Set Dec Coordinators Set Dec Coordinators Set Dec Assistant Production Sound Mixe Key First Assistant Sound Second Assistant Sound Second Assistant Sound Second Assistant Sound Lead Graphic Designers Graphics Assistant Draughtspersons	KRYSIA WHITTY MICKAELA TRODDEN MICKAELA TRODDEN SMELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE ALICE MAYHEW BONNIE VANUCCI SUSIE COLERIDGE-SMITH JOCELYN PUDDEPHAT AISHA SAMUELS rGARETH JOHN dTOM HARRISON FREYA CLARKE JAYESHA BREITHAUPT ROBYN LEONARD HANNAH KONS JOSIE KEALY FLORIAN BONTE MATTHEW SMITH THOMAS COXON	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN JAMES BUSBY ANDREW CROZIER JAMIE HORWOOD BLU O'REILLY TERRY RICHARDS SCOTT SMITH Key Grip	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL Igers CHRISTOPHER BUCKLEY KENDALL COMMINS CARL DAVIES GAVIN MEW ALFIE PURTON JON SEXTON ROBERT WELLER STEVE ELLINGWORTH PETE HAYLEY-BARKER KENNY MUSSON JOSHUA MORGAN GREEN SAM HEMINGWAY MIHAI NEGOITA RUSSELL O'CONNOR CLIVE TOCHER PAUL JONES RYAN WILCOX
Production Buyer Set Dresser Assistant Set Decorator Set Dec Art Director Set Dec Assistant Art Di Assistant Buyers Set Dec Coordinators Set Dec Coordinators Set Dec Assistant Production Sound Mixe Key First Assistant Sound First Assistant Sound Second Assistant Sound Sound Trainee Lead Graphic Designers Graphics Assistant Draughtspersons	KRYSIA WHITTY MICKAELA TRODDEN MICKAELA TRODDEN SMELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE ALICE MAYHEW BONNIE VANUCCI SUSIE COLERIDGE-SMITH JOCELYN PUDDEPHAT AISHA SAMUELS rGARETH JOHN dTOM HARRISON FREYA CLARKE dAYESHA BREITHAUPT ROBYN LEONARD MANNAH KONS JOSIE KEALY FLORIAN BONTE MATTHEW SMITH THOMAS COXON RYAN DE SILVA	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN JAMES BUSBY ANDREW CROZIER JAMIE HORWOOD BLU O'REILLY TERRY RICHARDS SCOTT SMITH Key Grip	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL Igers CHRISTOPHER BUCKLEY KENDALL COMMINS CARL DAVIES GAVIN MEW ALFIE PURTON JON SEXTON ROBERT WELLER STEVE ELLINGWORTH PETE HAYLEY-BARKER KENNY MUSSON JOSHUA MORGAN GREEN SAM HEMINGWAY MIHAI NEGOITA RUSSELL O'CONNOR CLIVE TOCHER PAUL JONES RYAN WILCOX DARRELL WEST
Production Buyer Set Dresser Assistant Set Decorator Set Dec Art Director Set Dec Assistant Art Di Assistant Buyers Set Dec Coordinators Set Dec Coordinators Set Dec Assistant Production Sound Mixe Key First Assistant Sound First Assistant Sound Second Assistant Sound Sound Trainee Lead Graphic Designers Graphics Assistant Draughtspersons	KRYSIA WHITTY MICKAELA TRODDEN MICKAELA TRODDEN SMELLONEY CUNNELL-MITCHELL ROXY STAPLETON ALICE BIDDLE rectorCANDICE WHITE ALICE MAYHEW BONNIE VANUCCI SUSIE COLERIDGE-SMITH JOCELYN PUDDEPHAT AISHA SAMUELS rGARETH JOHN dTOM HARRISON FREYA CLARKE MAYESHA BREITHAUPT ROBYN LEONARD HANNAH KONS JOSIE KEALY FLORIAN BONTE MATTHEW SMITH THOMAS COXON	JOHN ASH DANIEL BUTLER EUGENE GROBLER CHRIS JACQUES REECE POWTON Electrical Rig LUKE ALLEN JAMES BUSBY ANDREW CROZIER JAMIE HORWOOD BLU O'REILLY TERRY RICHARDS SCOTT SMITH Key Grip	TONY BURNS DAVID CLEMENTS JAMIE HOULISTON MICHAEL MCCASH ROGER SABHARWAL Igers CHRISTOPHER BUCKLEY KENDALL COMMINS CARL DAVIES GAVIN MEW ALFIE PURTON JON SEXTON ROBERT WELLER STEVE ELLINGWORTH PETE HAYLEY-BARKER KENNY MUSSON JOSHUA MORGAN GREEN SAM HEMINGWAY NIHAI NEGOITA RUSSELL O'CONNOR CLIVE TOCHER PAUL JONES PAUL JONES DARRELL WEST DARRELL WEST DARRELL WEST

Standby Bluescreen Riggers	JASON GALE BEN MURRAY ROSS SEARS
Grip Trainee	LEE SPINKS
Supervising Location Manager Location Manager Assistant Location Managers	JOJO WARNE
Unit Manager	
Assistant Costume Designer Costume Supervisor Costume FX Supervisor Assistant Costume Supervisor	NICOLE YOUNG IVO COVENEY JESSICA LAWLESS
Junior Assistant Costume Designer Costume Coordinator	LILY BEVAN
Junior Buyer Dresser to Mr. Rudd	BETH WOOTTON
Dresser to Mr. Majors	BRUNO DE SANTA MARNIE ORMISTON
Principal Costume Standbys	SABRINA OPEN
Principal Costume Coordinator Costume FX Coordinator Mold Shop Supervisor	ANGLEA ROWLAND
Chief Costume FX Modelers	LIZ THOMPSON
Senior Costume FX Modelers	CHRIS BYRNE
Leather Modeler CAD Draughtsperson/Senior Modeler . Junior Costume FX Assistants	
	RUPERT PARRY SOPHIE PARRY
Costume Graphics Illustrator Costume Concept Artist Crowd Supervisor	BENJAMIN IP
Senior Crowd Costumer Crowd Costume Standby Stunt & Crowd Costume Standby	JULIET VICTORIA HINDESS
Crowd Junior	GRACE RUBY TAYLOR-SHAW
Senior Alterations	
Key Cutter Costume Cutters	JOSIE PLEDGE
Assistant Cutters	
Junior Sewer	JESSICA EATON JACKIE MULLIGAN
Key Textile Artist	

Senior Breakdown Textile Artists	
Senior Breakdown Textile Artists	REBECCA MCLEOD
	MATHILDE PLISSON
	TOMKE VON GAWINSKI
Breakdown Textile Artists	
	MAGDALENA RADZIK
Junior Breakdown Textile Artist	
Costume Gangsperson	
Senior Costume	
ESME CURTIS	KATE JEANNE
LYDIA HARDIMAN	MARVYN MARQUES
SARAH MICHAEL	JOAN MURRAY
JO NICHOLLS	SARAH PIPER
CHRISTINA RUGGERI	MARION THOUROUDE
Costume Ma	akers
SOPHIE BARCLAY	ELODIE FLINOIS
LAURA JASIUNAITE	EMILIA HARRIS
LENA HOLTHAUS	VERA MOLES
LUCY PORTER	CHARLOTTE RICHARDSON
Costume FX M	odelers
CAMILLA AMBLER	PATRYCJA CICHOCKA
STUART CURRAN	EMILY ENGLAND
DANIEL GUBBA	PAUL JONES
TOBY HILL	STEVE LAFFERTY
GUY MAINWARING	MAURA MESTRE
KRISTINE NILSEN	RICHARD PLEDGE
SION ROBERTS	CHRISTOPHER SCHUBERT
NICKTYRRELL	SARA WATSON
Costume FX J	
HANNAH CALLAGHAN	ELLEN CARNEGIE
KYLE GHIRXI	SOPHIE HARE
EMMA PROCTER	STEPHANIE RAYNER
Trainee Breakdov CARLOTTA DE LA NOY	RAE DURGERIAN
EDEN FISHER	OLIVER LIPP
GABRIELE PASKAUSKAITE	LEANNE TAYLOR
MIKE WRING	LEANINE TATLOR
Costume Tra	inees
VICTORIA CLARK YOUNG	OLIVER CLARKE
ANNA CLIFFORD	LILY COVENEY
MAX COVENEY	ALICE FRAYNE
KAYRIN FRASER	AMBERLY HUNT
JEANNE IZARD	TANJA JOVICEVIC
IMOGEN LYMAN	MONEKA PRATO
IMOGEN REED	ABBY SPRINGHAM
LUCY WILLIAMSON	
Hair & Makeup Designer	JAN SEWELL
Key Makeup & Hair	. NATASHA NIKOLIC-DUNLOP
Hair & Makeup Crowd Supervisor	RENATA GILBERT
Hairstylists	JOANNE DORNEY
	SYLVESTER FINOLD
	KATHERINE PRESCOTT
	TIFFANY WILLIAMS
Hair & Makeup Artist	
Crowd Hair & Makeup Artists	
	JENNIFER NELSON
	MONA TURNBULL
Hair & Makeup Juniors	DANA DEGAN
	JULIE ANN DEVINE
I	

Hair & Makeup Trainees		Environmental Assistants	
	CLARE MORONEY	Health & Safety Managers	
Hairstylist to Mr. Rudd			KENNETH O'TOOL
Makeup to Mr. Rudd		Health & Safety Supervisors	
Hairstylist to Ms. Lilly			ELISE SIBLE
Makeup to Ms. Lilly		Health & S	
Hair & Makeup to Mr. Douglas		PAUL ALFRED	DALE ALLSO
Hairstylist to Ms. Pfeiffer		YASSER EL ANSARI	HELEN BARGMANI
Makeup to Ms. Pfeiffer		RICHARD CARR	SAMRA CHOWDHAR
Hairstylist to Mr. Majors	SINCERE GILLES	IAN DANDA-NDUNGWANE	LUKE ELKIN
Cast Hair Salon Services	KNIGHTSBRIDGE	TAYLA GILBERT	LOU HERITAG
	PAUL EDMONDS	SARAH HOLLIS	GRANT MARLING
		PAIGE JEWELL	LEWIS KAVANAG
Creature FX Designer	CONOR O'SULLIVAN	CAROLINE MALMROS	WILL ORPIN
Creature FX Supervisor		CHARLOTTE ROGERS	DAVID RONSO
Creature FX Coordinator		JAMES RONSON	MERIKA VINI
CFX Workshop Supervisor			
CFX Senior ModelersCHF		Executive, Office of Mr. Feige	
	JAMES KERNOT	Executive Assistant to Mr. Feige	
CFX Trainee		Executive Assistant to Mr. D'Esposit	O BRIANNA DASILVFIR
CFX Prosthetic Makeup Artists		Executive Assistant to Ms. Alonso	
	LAURA PHIPPS	Production & Development Manage	
	SAMANTHA MAXWELL	Executive Assistant to Mr. Bell	
CFX Modelers		Assistants to Mr. Reed	
MELANIE AYRES	KESSIAH ARTHUR		TARO SMITH
	TABITHA LI	Assistant to Mr. Rudd	
	MARIA POSITANO	Assistants to Ms. Lilly	
DANIELE MARTINICO	BRADLEY SIMMS		STEVEN KNIGH
	NDRA WESTCOTT-WEST	Assistant/Publicist to Mr. Douglas	ALLEN BURR
CFX Sculptors		Assistant to Ms. Pfeiffer	
DANIEL BURNETT	AMY DUDLEY	Assistant to Ms. Newton	
DOMINIC HAILSTONE	MATTHEW LAMBERT	Security to Ms. Pfeiffer	
NOEL THOMAS RYAN	BRYAN WYNIA	Dialogue Coach to Mr. Douglas	
Creature Effects by		Cast Trainers	
	IMAGINARIUM FX		JAMIE SAWYEI
	TAHRA ZAFAR LIMITED	Cast Physiotherapist	RUTH MOS
Casting Associates (US)	RACHEL NADLER	HOD Greenspersons	PETER HOOPEI
	MOLLY DOYLE, CSA		JON MARSON
UK Casting by REG POERS	SCOUT-EDGERTON, CSA	Greens Supervisor	JOHN DEN
	LILLIE JEFFREY	Supervising Greens Coordinator	SAMANTHA JAME
Casting Associate (UK)	EMMA CALLINAN	Greens Coordinator	
Casting Assistant (US)		Greens Assistant Coordinator	FRANCESCA BUTLE
Executive Assistant to Ms. Finn		Greens Workshop Manager/Junior I	
Casting Assistant (UK)		Greens Assistant	
Dialogue Coaches		Specialist Greensperson	
	SARAH SHEPHERD	Greens Standbys	
ADR Voice Casting by			GEORGINA STRATHER
Unit Publicist		Greens Dresser	
EPK Camera Operator		Greens HOD Carpenter	
Stills Photographer		Greens HOD Sculptor	
Movement Coaches		Greens Supervising Rigger	
	GRACE JABBARI	Greens Rigger	
		Greens Painters	
Background Artists Provided by OH SC		Concernant de la	
TH	E CASTING COLLECTIVE	Greens Modelers	
Environmental Steward	UNI-VERSAL EXTRAS	Greens Carpenter	MARK PLOW

Greenspersons		LEWIS COYLE	LEWIS SCOTT
NATHAN BACON	TOMMY BISSETT	LOUIS CONNOWAYS	MARTIN MCCALLISTER
TOM CREEDON	LUKE FARNELL	MARTIN SCARTH	NIGEL ARCHER
TYRONE ISAACS	HARRY TIMMS	PAUL WATERMAN	PETER AYLETT
		PETER MAYHEW	REECE KELLOW
Sculptors	SIMON HALL	RIKKI CLARK	ROB SPENCER-TUCKER
	ALAN HENRY	RORY MCLOUGHLIN	STEVE ALLEN
	NICOLAS KUBICKI	STEVEN RUSHBROOK	KENNETH TRACEY
	JASMINE NIXON	LEE REILLY	NEIGHEITH HUNCEP
	CHRISSIE OVERS		ver Carpenters
		CONNOR ABBOTT	MARTIN PALMER
Construction ManagerCO		CHAS DRINKALL	DARREN BERRY
Assistant Construction Manager		LEWIS FARRELL	SCOTT HUNT
Construction Coordinator		SOL COYLE	THOMAS REEVES
Construction Coordinator Assistants			JONATHAN BARTLETT
	RICHARD TILL		JOSH NOYES
HOD Sculptor			KARL MCGINNES
HOD Stagehand			LOUIS CONNOR
HOD Rigger			TOM RANDALL
HOD Carpenter		Chargehand Painters	ALEX HUNTLEY
HOD Painter			MALCOLM HAZELL
HOD Plasterer.			MARK DOWLING
Plasterers Apprentice		F	Painters
Riggers Chargehand		BILL PULLINGER	BILLY HANCOX
Riggers Chargehand Laborer	GARY BRINKLOW	CHARLIE BURGESS	CHARLIE START
Trainee Sculptor		COLIN JONES	DAN HARLEY
	NOEL CORNFORD	DAVID MEARS	GLEN ROSE
Supervising Carpenters		GRAHAM PEARCE	GRANT KAILL
	ALISTAIR SIMPSON	JOHN COLE-POWNEY	LEWIS CLARK
Supervising Painter		PERRY BELL	STEVE SIBLEY
Supervising Plasterers		VINCENT REDMAN	
	ROGER HUTT		BENJAMIN SEALEY
Supervising Rigger	JAMES WILSON	·	JACK LOCKETT
Supervising Sculptor			LUKE HARLEY
Supervising StagehandPAL			NAFIYA HASSAN
Metal Workers	STUART FULLER	Painters Laborers	MARTIN VULGAR
	WAYNE RICHARDS		DAVE SMALL
Electrician			KIERON NILES
Apprentice ElectricianFIN	ILAY WOODBRIDGE		PETER KANE
Construction Driver	MICHAEL CHASE	Apprentice Painters	HARRY BALE
Stagehand Chargehand			KIERAN HABERFIELD
Stagehand Apprentice			LILY HANSFORD
Sculptors Laborer			ROBBIE CLEMENTS
Chargehand Carpenters			GEORGE RAYFIELD
	JOSH WITCHER	Chargehand Plasterers	GRANT BOULTON
	MARTIN PAYNE		IAN CARTER
	SAM TAYLOR		J GARRY SPRAGGON
	SEAN RUSSELL		lasterers
Carpenters		ANDREW HARPER	
	NDRIES PRETORIUS	CHRISTIAN CRACKNELL	DENNIS WATTS
BEN SHELLEY	CALLUM BOHAN		JAKE DUTNALL
		JOSH TURNER	MARK GLEED
CONNOR DEVLIN DARREN FLORY			MARK RIDING
		MICHAEL SMITH	
DARREN SOWERBY			REECE BLAKE
		RICHARD WARD	SEAN BIRD
JACOB HUTCHISON			
	JOE GREGORY		
KEN PRIESTLY	LEE ROLFE		

Plastere	rs Laborers	Tech Drivers HOD	KEN PRICE
ADAM QUICK	ANTHONY GRIFFITHS		DAVID MORGAN
DARREN BENTLEY	DEAN HUTCHINGS	Picture Vehicle Coordinator	IAN CLARKE
JOHN HUTCHINGS	GEORGE WOODBRIDGE	Facilities HOD	
	ce Plasterers	Facilities Basepersons	
ALFIE BATES	ASHLEY HORAN DUNBAR		PAUL WARD
HARRY SPRAGGON	JACK JENNINGS		ROBERT KELLER
JARED PONTING	OWEN NICOLAOU		RODERT RELEER
	OWEN NICOLAOU		
RALF PONTING		Unit Dri	
	ggers	BEN AKISTER	JASON ATKINSON
COURTNEY AUGUSTUS	DARREN COOK	STEVE BULL	MARTIN CAMPBELL
EATHAN ROOKE	JAMES BIGGERSTAFF	BARRY CHAUVEAU	MICHAEL CHRISTOU
JOSEPH BRIDLE	LUKE BULL	NICK CLARK	GEORGINA CURTAIN
RUSSELL HAYDEN	STEVIE THOMAS	PAUL DAVIS	HOWARD DOUBTFIRE
CLIVE TOWELL	LAWRENCE HEFFERNAN	JAVED ELAHI	ANDREW FELTHAM
Stagehands	CHRISTOPHER HEDGES	BRIAN HAMMOND	DAVID HAMPSHIRE
5	DAVE SMITH	DUNCAN HINDES	SIMON HUDNOTT
	JAKE RYDON	ASIF HUSSEIN	DANIEL JARMAN
	PETER MORTON	DAVID JONES	RUSSELL JONES
	SID DRINKALL	STACEY KELLEY	RUSSELL KING
Improver Stagebands	GEORGE HUXLEY	KARIM LAAROUS	MATHEW MACDONALD
	GRAHAM MELSOME	GRAHAM MACQUEEN	SHANE MOORE
	MATTHEW WILLIAMS	SANDEEP NANDA	NICK PELHAM
		JON RICHARDSON	ANDREW SOZOS
	STEPHEN BRINKLOW	SASAN VAFAEI	ANTHONY WADSWORTH
Sculptors	CHRISTIANE BARBKNECHT	DAVID WAITE	BRADLEY WILLMOT
	EDWARD BARTON		
	JAMES MATTHEWS	SECOND	UNIT
	t Sculptors		
ALEX HOLZINGER	BEN O'SHAUGHNESSY	First Assistant Director	
CLODAGH TREACY	EDMUND DIMBLEBY	Director of Photography	SAM RENTON
GAVIN SNELL	LEWIS GOODMAN		
LYDIA SMITH	MARK GRAHAM	Production Manager	CHRIS MOORE
NICHOLAS KUBICKI	SAM DAWOOD	SFX Floor Supervisor	
		Standby Art Director	
Craft Services		Production Coordinator	
	Provided by	Production Secretary	
5	YYUMMIES	Script Supervisor	
DOMINIC KAMARA	KONRAD KOSTRUBIEC	Assistant Script Supervisor	
NICHOLA SMITH			
	MARK SWEENEY	Greens Standby	
VALENTINA WILLS-PACKER		Gaffer	
Cast Catering Provided by	MATTHEW STREET CATERING	Best Boy Electric	
	PAUL HARLING	Key Grip	
	CALLUM MILLER	Best Boy Grip	
	GUY SCOTT	Sound Mixer	
	JOJO SCOTT	Boom Operator	
		Second Assistant Sound	BEN METSERS
Unit Medic	MARTIN JENKINS	Key Standby Costume	SARAH BREST
Construction Medics	DARREN PRANGNELL		CHLOE NEYLAND
	ROGER WARD	Costumes Standby	FLO CHOW
Security Provided byMAIN U	JNIT LOCATION SERVICES LIMITED	Makeup & Hair Artists	FIONA LOBO-CRANSTON
	RICHARD MYATT		MARTINE JONES
	e Security	Makeup & Hair Trainee	
ALAM AHMADI	BEN WALDRON	Unit Medic	
GAVIND SANGASSI	MARK TITCOMBE	Assistant to Mr. DeLeeuw	
MARK STOOPS	RICHARD AMBRUS	Key Second Assistant Directors	
TOM WYATT		Ney Second Assistant Directors	
		Floor Second Assistant Director	
Tropped out Countries			
		Third Assistant Director	
Second Unit Transport Captain	AARON HOPKINS	Base Third Assistant Director	NATALIE WRIGHT-CELLA
	V	'IX	

Data Loader	CRISS DAVIS
Unit Medic	ANNA REISMAN
Array Car Driver	ROBERT NAGLE
Array Car Technicians	DON OATLEY
	NICK JENNINGS
Picture Car Technician	CHRIS METZER
Catering/Craft Services	MANGIA NOSH

ICELAND CAPTURE UNIT

True North Executive Producer LEIFUR B. DAGFINNSSON

Supervising Location Manager Drone Pilot Aerial Technicians	OZZO MYRDAL
Lidar Technician Production Coordinator Safety Supervisor/Medic Accounting Head Safety Driver	SÆDÍS STEINSDÓTTIR GUDMUNDUR GUÐJÓNSSON INGIBJÖRG ÓSKARSDÓTTIR

TURKEY CAPTURE UNIT

AZ Celtic Films Executive Producers	ALEX SUTHERLAND
	ZEYNEP SUTHERLAND

Aerial Supervisor	
Aerial Technician	MATT DUTCHER
Drone Pilots	BAŞAR CANER
	HÜSEYIN ÜZER
Lidar Technicians	BORA YAVUZ
FAH	IRETTIN DOĞAN TEKIN
Production Coordinator	ECE ÖNCÜ
Financial Controller	SERDAR ATIK
Location Manager	. ERHAN ALPDÜNDAR
Location Assistant.	
Medic	SIDDIK YILMAZ

UNITED STATES CAPTURE UNIT

Aerial Camera Operator	SARAH PHILLIPS
Medic	DIANE MIN FA
Location Manager	PAUL ROBERTS
Lidar Scanning Supervisor	JED FRECHETTE
Lidar Photographer	MARSHAL ST JOHN
Lidar Operator	DREW WILLS

LOS ANGELES UNIT

Line Producer/Unit Production Manager.	HELEN POLLAK
Production Supervisor	LISA DIETRICK
First Assistant Directors	JEFF OKABAYASHI
	LARS P. WINTHER
Second Second Assistant Director	STEVE WINDLE
Supervising Art Directors	BRADLEY RUBIN
	CLINT WALLACE
Art Director	KATIA NAJERA
Art Department Coordinators	HEATHER ELWELL
	LYDIA LUCENTE

A Camera Operator/Steadica	amSEBASTIAN BARRACLOUGH
B Camera Operators	JULIAN MORSON
·	ALASTAIR RAE
	SVETLANA MIKO
A Camera First Assistant	SACHA JONES
	LUKE CAIRNS
	MAX GLICKMAN
A Camera Second Assistant	PHILLIP BARNES
	OLIVER HALLAM
	ISABEL FEWING
	TOM GOUGH
	RICK JAMES
	ALEX DIAS
	HARVEY MCKAY
	CHRIS HIGGINS
	DAVE MORGAN
	KYLE GRAHAM-RAINFORD
Production Assistants	SAM WOODCOCK
	QUENTIN GUIAVARC'H
	AMELIA SABETI
	EMILY LOUISE JOHNSON
	FRANCIS QUIGLEY
E	lectricians
JAMES KELLY	BEN SUTER
JUSTIN RANGE	MATTHEW MARKHAM
LIAM HARRIS	DEAN CHAMBERS
NELA RESLER	SAM O'RIORDAN
BILLY TURVEY	GEORGE FRANKLIN
	Grips
JORDY SHEASBY	REECE HEARNSHAW
TAYLOR BLAKE	JACK FPHGRAVE
	JACK EPHGRAVE
HYWEL JONES	Chain alla in
	Standbys
ADAM HUBBARD	MATT JEFFS
CHRIS BARRETT	MARTIN BROWN
MARCUS DOHERTY	RYAN SINNOTT
BRIAN CAPPEL	

SAN FRANCISCO PLATE UNIT

Unit Production Manager DEBBIE BRUBAKE	R
Location ManagerPATRICK RANAHA	Ν
VFX SupervisorCRAIG HAMMAC	K
VFX Data Wranglers WILL MCCO	Y
WES MIDDLETO	Ν
SHYAM YADA	••
Aerial DP/Camera Operator DAVID NOWEL	L.
PilotFRED NORTI	
Aerial TechnicianPETER GRA	١F
Ground Pilot CoordinatorBEN SKORSTAL	D
Lidar TechnicianOMAR REYES LÓPE	Ζ
Transport Captain/Driver BEAU BEAN	E
Equipment Van DriverJAMES NOWLI	
Motorhome Driver CLARK DOLA	Ν
Assistant Production CoordinatorERIKA SVENSSO	Ν
Production Assistant KIMBERLEY MORRI	S
First Assistant CameraJOHN ELLINGWOOI	D
Second Assistant CameraJEFF RIO	S
DIT ROBIN CHARTER	S

Art Department Assistants		
	HARPER OLMON	CONNOR CA
Production Coordinator		JOANA GOM
Assistant Production Coordinator		JIMMY KEYTI
Travel Coordinators		RACHEL OBE
	ASHLEY SAUNDERS	ANDREW RO
Production Secretary		NICK SCHWA
Script Supervisor		LUIS XANDE
Production Accountant		
Second Assistant Accountants	TESSA PHILBRICK	WOODROW
	ABBY THOMAS	AMBER HAR
Payroll Accountant	SAMANTHA MILLER	SARAH JARA
Assistant Payroll Accountant	NICOLE LAU	MADI PFLUE
Accounting Clerk	KATHERINE TORRES	
Sound Mixer	COLEMAN METTS	Gaffers
Boom Operators	AARON G WALLACE	
	BRIAN MCKINNEY	Best Boys Ele
Sound Utility	JOSH BISSETT	
Video Assist		Rigging Gaff
Supervising Location Manager	RICK SCHULER	Rigging Elect
Location Manager		Key Grips
Key Assistant Location Manager		
Assistant Location Managers		
C C	MIKE REFT	Best Boy Grip
Directors of Photography	DAN MINDEL	
	STEVE YEDLIN	
A Camera Operators	DAVE CHAMEIDES	Lighting Con
·	PETER ROSENFELD	0 0
A Camera First Assistants	DAN MING	Rigging Ligh
	DAN SCHROER	Rigging Data
A Camera Second Assistants	ERIC AMUNDSEN	55 5
	GARRETT HANSON	Fixtures Fore
	FARISAI KAMBARAMI	Key Rigging
B Camera Operators	DAN FERRELL	, 55 5
·	BRIAN SERGOTT	Rigging Grip
B Camera First Assistants	CONRAD CASTOR	55 5 1
	WADE WHITLEY	Dolly Grips
B Camera Second Assistants		, ,
	DAN URBAIN	
DIT	DANIEL APPLEGATE	LARRY BRECH
	ROBERT HOWIE	MICHARL GE
Utility	HELAINA ANDERSON	LOREN JOHN
,	JORDAN SADLER	
	MORGAN WILDAY	BEN CALDWI
Loaders	NICOLA CARUSO	CASEY COLE
	LAUREN CUMMINGS	JAMES GREE
Camera Assistant.	JUSTINE OUINONES	BENJAMIN S
Property Master		DAVID WARF
Assistant Property Master		
Set Decorator		JEFF BAKER
Leadperson		MATT DEVIT
Set Dec Coordinator		JORDAN POF
Health & Safety Manager		OLIVER SCHA
Health & Safety Supervisors		
	ALYSSA ULRICH	FRANCISCO I
Lead Set Security		ADAM MURF
Set Security		MARK OSEGI
Set Security		JOSH RENO
		JOJITIENU

_			
	oduction Assistants		
CONNOR CACCIOTOLO			
JOANA GOMEZ	ANDREW HANKS		
JIMMY KEYTE	DANA NELSON		
RACHEL OBERING	MIYA OKABAYASHI		
ANDREW ROBISKIE	BRANDON RUZOVICH		
NICK SCHWARTZ	COURTNEY SEYMOUR		
LUIS XANDER VENTURA			
	Health & Safety		
WOODROW BROWN	JESSE DAVIDSON		
AMBER HARDING	RACHEL HOWARD		
SARAH JARAMILLO	NOAH LASHLY		
MADI PFLUEGER	JORGE SIDA		
<i>c. 11</i>			
Gaffers	CHRISTOPHER PRAMPIN		
	RAFAEL SANCHEZ		
Best Boys Electric	THOMAS M DANGCIL		
	MIKE LYON		
	LUIS MORENO		
Rigging Electric Best Boy	· GREG LOPEZ		
Key Grips	MIGUEL BENAVIDES		
	ALEXANDER GRIFFITHS		
	JOE MACALUSO		
Best Boy Grips	DAVID COLE		
	FRANCISCO KIM		
	DOUG WALL		
Lighting Console Progra	mmers BRYAN BOOTH		
5 5 5	DAVID KANE		
Rigging Lighting Consol	e Foreperson JEAN-BAPTISE LECONTE		
	sJACOB BRINKMAN		
	MIKE LOVE		
Fixtures Forenerson			
Key Rigging Grins	HILARY KLYM		
	DOUG LASATER		
Rigging Grip Best Boys	CONRAD DOBBIE		
nigging onp best boys.	NICHOLAS RINI		
Dolly Gring			
Dolly Grips	DAN PERSHING		
11	ghting Technicians		
LARRY BRECHT	MATTHEW CASTELLITTO		
MICHARL GERZEVITZ	HAL GROSHON		
LOREN JOHNSON	THOMAS MCCARTY		
	ng Lighting Technicians		
BEN CALDWELL	CRISTIAN CAZOR		
CASEY COLES	JAMES GIBBONS		
JAMES GREEN	MICAH LOPEZ		
BENJAMIN SCHOLLE	ANSELMO VARGAS		
DAVID WARFIELD			
	Grips		
	PAT CRONIN		
MATT DEVITT	WILLIAM PIERSON		
JORDAN POPOVICH	RANDY REID		
OLIVER SCHAAL			
Rigging Grips			
FRANCISCO ESPARZA	MIGUEL HERNANDEZ		
ADAM MURRAY	STEVE OROSCO		
MARK OSEGUERA	SEAN PRICHARD		
JOSH RENO	JAMES WHELAN		

Costumer Supervisor	JESSICA PAZDERNIK	
Key CostumersD	EBORAH ZIMMERMAN	
	BRYAN BIRGE	Head of E
Specialty Key Costumer	FEDERICO CERVANTES	VP Busine
Costumers		Executive
	JOHN DOYLE	Productio
	BEN KAUFHER	
	JENNIFER PALMER	
P/	ATRICK WORTHINGTON	
Cutter/Fitter		
Costume Production Assistant		Credits E
SFX Supervisor		Credits <i>N</i>
		Script Cle
SFX Coordinator		Head of F
SFX Foreperson		
SFX Set Foreperson		Productio
Construction Coordinator		
General Foreperson		
Stage Foreperson		
Tool Foreperson.		
Hairstylists to Mr. Rudd		MIKE SMI
	JOSE ZAMORA	DAVID C.
Hairstylist to Ms. Lilly		SHIRLEY
Makeup Artist to Mr. Rudd		AISTE AN
Makeup Artist to Ms. Lilly	SASHA GROSSMAN	VP Physic
SFX Makeup Artist	KEVIN WASNER	Physical F
Set Medic	JOHN TAYLOR	
Catering	MARA KERUM	Product F
5	TONYS CATERING	Physical F
Key Craft Service	PHIL SCALISI	Story Ma
Craft Service		VP Visual
	CHRISTIAN MEEKS	VP Post P
Transportation Coordinator		Visual Eff
Transportation Captain		Post Proc
DOT		Music Exe
Dispatcher		VP Conte
Construction Buyer		Content
Plaster Supervisor		Localizati
Paint Supervisor		Digital O
Labor Foreperson		Digital As
Stunt Coordinator		Finishing
Assistant Stunt Coordinators	DAN BROWN	VP Comm
	ZACK DUHAME	Commun
Stunt Rigging Coordinator	JAKE DEWITT	VP Francl
Scott Lang/Ant-Man Stunt Double		VP Francl
Stunt Doubles	MANDY KOWALSKI	Franchise
	MEGAN LE	Head of l
Stunt Performers		Head of T
ASHLEN AQUILA	DANIEL ARRIAS	Productio
STEVE DE CASTRO	JARROD CRAWFORD	Productio
JARED DEWITT	SETH DUHAME	
MICHAEL RUPNOW	JOSH SEIFERT	
BRETT SHEERIN		
		HR Busin

MARVEL STUDIOS

Head of Business & Legal AffairsDAVID GALLUZZI VP Business AffairsRYAN POTTER Executive in Charge of Production LegalRACHEL VIGNEAUX Production AttorneysJANE BECKER
GRACE HAERI
DANIEL LOPEZ
VICTORIA MAZGALEV
ZAIN AHMAD
Credits Executive JEFF WILLIS
Credits Manager JENNIFER GIANDALONE
Script Clearances ExecutiveERIKA DENTON
Head of Production Finance CHRIS MCCOMB
Production Finance ExecutivesKATHY MATTES
KAREN CROSSLEY
MAX MCFARLAND
MATT MONACO
Production Finance Managers
MIKE SMIGIELSKI MADISON D. HEILMANN
DAVID C. ROMANO JESSICA ALVAREZ
SHIRLEY HSIAO SONIA RANDAZZO
AISTE ANKUDAVICIUTE
VP Physical ProductionDAVID J. GRANT
Physical Production ExecutivesDAWN CLOUNCH
ALEXANDRA HALE
Product Placement Executive JULIE A. KELLER
Physical Production ManagerGRAHAM LAWYER
Story Manager ANDREW REIBER
VP Visual EffectsDANIELLE COSTA
VP Post ProductionCHRISTOPHER RUSSELL
Visual Effects ExecutiveTANISSA POTROVITZA SCHOEN
Post Production ExecutiveKACIE KANE
Music Executive FLETCHER BEASLEY
VP Content OperationsRANDY MCGOWAN
Content Operations ExecutiveEVA PRELLE DEBOSE
Localization & Mastering Executive ROMANA SAMARITANI
Digital Operations ExecutiveBRYAN PARKER
Digital Asset Coordinators HAYLEY GARWOOD
JILLIAN LARGOZA
Finishing SupervisorCHRISTINA MITROTTI
VP CommunicationsANGELA SHAW
Communications ManagerLAUREN PEREZ
VP Franchise Creative & Marketing DAVE BUSHORE
VP Franchise Creative & MarketingSARAH TRULY BEERS
Franchise Creative & Marketing Executive KRISTY AMORNKUL
Head of Unscripted Content JEFF REDMOND
Head of Technology EDDIE DRAKE
Production Technology Executive KATIE HINSEN
Production Technology ManagersJOSEPH BOSWELL
MICHAEL MALONEY
KATIE MITCHELL
LAURALEA OTIS
HR Business PartnerMAYERLING DIAZ-WILSON

Marvel Studios ParliamentSTEPHEN BROUSSARDERIC HAUSERMAN CARROLLNATE MOOREJONATHAN SCHWARTZTRINH TRANBRAD WINDERBAUM

	luction & Development		Content Operations
		JULIE BALDONADO-SMALLWOO	
JENNA BERGER	MICHELE BLOOD	AUDREY CARGANILLA	ALYSSA COX-LEWIS
JENNIFER COCCIMIGLIO	GRANT CURTIS	MATT DELMANOWSKI	JACINDA DOLWICK
KYANA F. DAVIDSON	SEAN EARLEY	VINCENT C. GARCIA	GLENN GARRIDO
EMILIE FLEUETTE	RODERICK FLUCAS	ALY GIRLING	KANDON HAYNES
EMILY FONG	CHRIS GARY	ELI HOLMES	DARYN HOUSTON
LAUREN GORALSKI	WENDY JACOBSON	ANIKA HUSSEN	PERCIVAL LANUZA
ELEENA KHAMEDOOST	ELIOT LEHRMAN	ARNDREA LEWIS	SUSANA LOU
KELSEY LEW	MARY LIVANOS	ASHLEY MATSUNAMI	LAUREN C. MEISENHEIMER
ISHI METKAR	ZOIE NAGELHOUT	ANTHEA OBA	RYAN O'SULLIVAN
LIANA OJA	RICHIE PALMER	SABRINA SPARLIN	ANDREW STARBIN
NICK PEPIN	JORDAN ROGERS	JIM VELASCO	JON WEAVER
ALEX SCHARF	SAMANTHA SHARMA		ios Technology
SARA SMITH	SAMANTHA VINZON	ADAM ARONSON	NAFISA BAKER
BOJAN VUCICEVIC	ALLANA WILLIAMS	SHAYDA BANIHASHEMI	VINCE CERUNDOLO
SIMONA PAPARELLI WOLF	KEVIN R. WRIGHT	GLENN CLYATT	WILLIAM CHANDLER
	Physical Production,	SUSAN CICCHINO	CHRIS COSSEY
	n, and Visual Effects	KARTIK DEO	RAYMOND FELIZ
DANNY BROWN		JUERG GRIEDER	
			JJ HABENICHT
JESSE CHENG			HEAJUEN HWANG
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	ROBERT KEYGHOBAD
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Virtual Production	
CoordinatorJ	ANNIK CHOWDHARY-KUCZYNSKI

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HENRY LIN	FEDERICO MARTINI
SYLVAIN ROBERT (SYLBERT)	KEVIN ROGOVITS
EDMOND SMITH III	XIN WEN
Lighting and Envir JOSE ALCIVAR	
JOSE ALCIVAR JONATHAN BOISVERT	JUAN PABLO ALLGEIER ANTON BORISOV
GAETAN BORNEUF	JOE CHIANG
JAMAL HAJLAOUI	DAVID LIU
KEN LO	CAMIL PLANELLA PANISELLO
YOANN SCHMID	SUSIE THULLIEZ
KELLY WALSH	QIAN WANG
OLIVIER VAN ZEVEREN	
Compos	sitors
KEVIN BOUCHEZ	JOHN BRENNICK
MARCO CANTALUPPI	JUAN F. CEVALLOS CARRIÓN
PAUL CHAPMAN	BELINDA CHEN
	DELINDA CHEN
JOE ENGELKE	RAKESH EROTHI
JOE ENGELKE SELENA FARKAS	
	RAKESH EROTHI
SELENA FARKAS	RAKESH EROTHI MAGID HAJJ
SELENA FARKAS JIHYAE HAM	RAKESH EROTHI MAGID HAJJ BOB HOMAMI MINBEOM KIM JMAR YOUNGWOOK LEE
SELENA FARKAS JIHYAE HAM SCOTT JOSEPH VUTUKURI PHANEENDRA NAGA KU SILVIE LEE	RAKESH EROTHI MAGID HAJJ BOB HOMAMI MINBEOM KIM JMAR YOUNGWOOK LEE SAMUEL LEE
SELENA FARKAS JIHYAE HAM SCOTT JOSEPH VUTUKURI PHANEENDRA NAGA KU SILVIE LEE RAPHAEL LEGROS	RAKESH EROTHI MAGID HAJJ BOB HOMAMI MINBEOM KIM JMAR YOUNGWOOK LEE SAMUEL LEE RAVINDER REDDY M
SELENA FARKAS JIHYAE HAM SCOTT JOSEPH VUTUKURI PHANEENDRA NAGA KU SILVIE LEE RAPHAEL LEGROS TONY MARIONI	RAKESH EROTHI MAGID HAJJ BOB HOMAMI MINBEOM KIM JMAR YOUNGWOOK LEE SAMUEL LEE RAVINDER REDDY M SAMANTHA MCCONNELL
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SELENA FARKAS JIHYAE HAM SCOTT JOSEPH VUTUKURI PHANEENDRA NAGA KU SILVIE LEE RAPHAEL LEGROS TONY MARIONI ZOUBHAIR MOOSUDDEE AVINASH NAMBURI ERDEM OGEL	RAKESH EROTHI MAGID HAJJ BOB HOMAMI MINBEOM KIM JMAR YOUNGWOOK LEE SAMUEL LEE RAVINDER REDDY M SAMANTHA MCCONNELL VITALY MUSATOV CALVIN NIMMO KYM OLSEN
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ROHITH RAVINDRANATH GRAHAM THOMPSON DARREN WILLIAMS

MARTA GUISADO SOTODOSOS ED WHETSTONE SAMUEL A. WOZNIAK

Visual Effects and Animation by SONY PICTURES IMAGEWORKS

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Animation Supervisor CRAIG MCPHERSON	
CG SupervisorsJOSEPH PEPPER	
THAI BACH	
Compositing Supervisor JIWOON KIM	
Lighting Supervisor	
Environments Supervisor	
FX Supervisor MITUL PATEL	
VFX ProducerJOHN CLINTON	
VFX Digital Producer SHANNON Y. F. LUM	
Digital Production ManagersGLENN GANNON	
LIZZIE KENT	
Layout SupervisorADAM J.M. HOLMES	
Matchmove SupervisorMARC JONES	
Roto & Paint SupervisorPAULA BELL	
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Lead Digital Artists	
ZACARY ASHTON ELSWORTH CAMPBELL KATHY CHI	
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JUNG HUN KIM BUMJUN JEREMY KIM	
KEVIN KITCHEL BRIAN KLOC	
DAVE MAH CHRIS MESSINEO	
SEBASTIAN REICHHOLD PANYA REN	
TERRENCE ROBERTSON-FALL DAVID SKOREPA	
NICHOLAS ST. CLAIR TIBERIUS VIRIS	
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FLAVIO CASTELLO CAVALHEIRO YEENSHI CHEN	
JEANNE CORITAMA ERIKA GOLFETTO	
DENISE HOFFMANN YU-CHENG HUANG	
SHINYA ISHII CHIEN-I KAO SUSAN KORNEELD IOHN LAI	
SUSAN KORNFELD JOHN LAI	
SUSAN KORNFELDJOHN LAISHUN SING EDWARD LEEERIKA MADSEN	
SUSAN KORNFELDJOHN LAISHUN SING EDWARD LEEERIKA MADSENJESSIE MARTELMARIO ALBERTO MELGOZA RUIZ	
SUSAN KORNFELDJOHN LAISHUN SING EDWARD LEEERIKA MADSENJESSIE MARTELMARIO ALBERTO MELGOZA RUIZPIERRE PAGESEUNICE ELIZABETH PANDURO PEREZ	
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Animation MOHAMMED ATEF **ROMAIN DIGONNET** SIRO J ESHBOEV KATE FORREST JOSH JANOUSKY TONY KANTAPHAT DONGHOE KIM DOUN KIM ANASTASIA KOCHYLEMA SEJIN LEE INA MARCZINCZIK MICHAEL LOECK JAGMANDEEP MINHAS MARIO OCTAVIO PADRON MIOZZO **DIEGO OLIVA MONARDES** MICHAEL MORGAN JO PARK **ATSUSHI SATO BEOMHEE SEO** SIGGI SIGMOND JOSH SLUSAR AIDAN WILSON Matte Painting & Environments NICK HIATT JEREMY HOEY DEREK MOORHOUSE **OLAF PIWOWAR** SIGURLAUG LISA SIGURDARDOTTIR FX Animation, Cloth & Hair Simulation LUIS MOYA CAZARES STEVE BLAKEY OLGA CHERKASSKAY DIEGO DE MENDIZABAL **FABIO FRANGIONE** JIHO JEON YONGHEE KIM ROSS KELLY **IVAN LARININ** SIMON LEWIS DIANA LI **OLEKSANDR LOBODA GREGORIO MANARA** COSIMO ORBAN STEPHEN PASCHKE FLORIAN PIECHT/ YURI RUDAKOV DAVID SELLARE MICHAEL SUN LASZLO TERME MICHAL TURKOWSKI COLBY WINFIELD **NEIL ATKINS ORRIE FUNC** CZAR RYAN OMPAD JAGJEET SINGH Lighting **BRIAN ADAMS** LAIDE AGUNBIAD **BALJINDER SINGH BASSI** IAN CHRISTI CHARLES M. CRONKRIT CLEMENTINE COURBIN JOSE L. DE JUAN XIAO DONG DALE DRUMMOND MARO FAULKNEI NAVJIT SINGH GILL DYLAN GOTTLIE JAMES JAUOD JAKUB KUPČÍ **BEKAH H PARK** EDWIN POON **ROMAN ROBBIN** FRANK RITLOP LORENZO SERRAN **ROHIT SHARM BO STRUYE** ERIC WALTER Compositing **RYAN CHOW** CHRIS JAEHOON CHUNC STUART CRIPPS STEPHEN DAGENAL LUI FONTILLAS PATRICK GAGNON ARON GALABUZI HANNA GOODMAN JACK GRUNDY MATTEO GUGLIELM ALEX HANNEMAN ALEKSANDAR HARD JOCELYN HO LAURA INGRAM VENKAT INTURI WADE IV **RYNO JACOBS** KARTHIK KESIRAJU ASHLEY (SO YOUNG) KIM MICHELLE KORCZA **IRYNA KUTIKHINA** JOAOUIN LUDEWIG JESSE MELER JORGE MIRANDA JASON PHONG NGUYEN FRIDA NERDAL DANIEL MORENO OLIVA GUILLERMO RAMOS PADILLA DANIRA CORONA PIÑERA MAICKEL OUINE ELMOATASEM-BELLAH RAGAB ANDY RAJPU SANKET RANADE MARCO RECUAY

DORIAN ROBERT BRIAN SCHUMACHER MAUD SICRE BRITTANY WETZEL EDISON YU RAN ZHANG ANGELA BATTEN

MATTHEW MITCHELL DAVID CADENA LASO FERNANDA ESTRADA DE LA ROSA STACEY MIMS OLGA SVIATCHENKO YIXIN (VICKY) HUANG MEGAN GALBRAITH MILDA RUTKAUSKAITE ELLEN BROWN VINCENZO VIPOND LIZZY YAN WANG CHRISTIAN SCHERMERHORN ALICAN SESLI NORBERT TISSIER KELVIN YEE RICCARDO ZANETTINI

Production

SEBASTIEN BURGHGRAEVE CURTIS TSAI DAVID COHAN SERENA GENES KELLY SUNG ANNA XUAN KRISTY LYNN FORTIER ROBERT JONKER MRIGANKA ARYA MOHAMED DAWOOD SIMON LEWIS WALKER

Visual Effects and Animation by MPC MONTREAL

'A		
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S	Visual Effects Producer	BENNY MILLIGAN
G	Assets Supervisor	SUBHASH SURESHAN
D	VFX Supervisor	CRAIG CALVERT
G	Visual Effects Executive Produce	r VIRENDRA CHAUHAN
Н	Digital Effects Supervisor	MARIO BRIOSCHI
		THIERRY HAMEL
DΕ		CHRISTOPHE PARADIS
IE		KAVEH RUINTAN
ΓE	CG Supervisors	BOYAN STOYANOV
G		KARTHIK SANGUMANI
R		PRAKHAR BHATNAGAR
В		TIMUCHIN OZGER
ÍK	Compositin	g Supervisors
Ν	ACHAL MUCHHALA	DAVID LIEBERMAN
IS	MARIO BRIOSCHI	SANDISH RAMDEV
А	SELIM KAMEL	STEVENSON THOMAS
٢S	VFX Product	ion Managers
	ALYSSA ANDERSON	ARAVIND MADHAYAN
G	DEVON GALLANT	EARL JOHN MECHAVEZ
IS	RISHIKA DAS	SASHANK SINGH
N	SHAWN STEINBURG	MEGH ANIL SHARMA
N		on Coordinators
ΛI	ADRIEN TORGINA	AINE COADY
DI	ANJALI MEHTA	BHAGESHWARI SHEKHAWAT
M	CHANDAN ROUT	ELLY TOMASSON
/Y	GIOVANI FRANCIS	GUILLAUME BELLEROSE
U	IVY GAN	JAHANVI JETHWA
ιK	JAMEE NEWLAND	JAMES HUTSON
G	JESSICA BERNARD	NHOLILI
A	JOY P	KARAN RAUL
N	MANOJ PALAVALLI	MEERA A M
.A		MOHAMMED AHAD
T	MUTHUVISHNU S	NANDITI SRIVASTAVA
Л	NEELAM KANDIYAL	
١Y	PATRICK LE BARBENCHON	PETER O'DONOGHUE

PRITHVIJIT SARKAR RAVI SARAKAM RITIKA KAPOOR ROHAN JOSEPH SANEHA SHARMA SHASHIDHAR KARINDI SHIVANI RAGHURAM SUDHANSHU MUNI SWATI NAGAR **TEAGAN CORAZON** VARA PRASAD VINAYAK PATOLE **VFX** Editors AMANDA MANKAI **BASHAR SAMMAN** LAURENT GAGNE RONALD GUTIERREZ Lead Digital Artists ADITHYA SHARMA **ARCHANA ASOKAN ARUN GEORGE** DANIEL CHARLES GABRIELE RANFAGNI LOICK OLESZAK NIC GROOT BLUEMINK PALLAVI RAI PEMA DAMDUL **RAHUL SAHA ROBIN RHEE** SIVA PRIYAN S SURESH PRAKASAM **VISHAL JADHAV Digital Artists** ABHISHEK REDDY ABHIMANYU SINGH TANWAR ADITHYA KASHYAP AKASH MHANDLEKAR ALEX SANTIAGO AMIT KUMAR **ABIN THOMAS** ADINATH CHAVAN **AKHIL NARAYANAN** AURIANE BERTIL ANJAL KB ANTU DUTTA **APURVA CHITRANSH ARUN SHARMA BRIJESH YADAV** CARMINE RENELLA ASHWIN MAHAJAN CLARISSA WALL DANIEL MEJIA DARIA ZUBKOVA DAVID ALCALDE **DEBOPRIYO BOSE** DHEERAJ SINGH **DIEGO AVILES** DOUAA MOHAMMED ALI **ERAN CASPI**

EVGENII ZERNOV

RAVI SAGIRI RIHZA IBRAHIMKUTTY RITU MONDAL ROHIT HUNGUND SHAILY PARIHAR SHIRISH BAWDEKAR SONAM PATHAN SUJATA BHALERAO TANNU SINGH URMI JANA VARUN VINOD ZOE SARKAR

BARANSEL SONMEZ BENOIT TRUDEL MARK CARR TRISHA LANGILL

AMIN TAGHIPOUR ARTURO CRUZ CLIFFORD MOLLER DAN SANTOS JACK JAGERMAN MARC CHANCHALEUN PABLO RODRIGUEZ PEILIN LIU PRANJAL VERMA RAJESH MAHAPATRA ROHAN TIRKEY STEPHANE CHAYA SUSHANT MATBAR

AAYUSHI GOUR ABHISHEK BHOWMICK A JIT SURESH SATDIVE ALEX HARTUNIAN ALI JORJANDINEJAD BAMI **ANNA SAMAROVA** ANTON KOROTKOV AKASH GADE ANAND K ANANTHANARAYANAN K **BEN HABSHUSH** ANKIT BANSAL **ARNAB ANANTHA BIRENDRA KUMAR GAURAV CARLOS PARDO** CHARLES TREMBLAY CHRISTOPHER SCOTT COSIMO ORBAN DANIELA METHEYER DARIE BUDEANU DAVID RODRIGUEZ **DEVENDRA SALVI DIP MONDAL DIVYANSH ADLAKHA** FDGAR RODRIGUEZ **ERWAN MASSON** FANNY GARCIA FELIPE COLL FRANCISCO ROMERO FRANCOIS LATREMOILLE GANESH BHAU NARAWADE **GRAHAM STOLTZ** GAUTAM BHATI GYUSUNG YIM HARIPRAKASH S JAUFFREY MAUBERT JIAMIN CHEN JOHANNA PARADA JONATHAN AITCHISON JONATHAN JANKOWIAK KAMRANZUBAIR SIDDIOUI **KARIM MOFTAH KISHORE CHAND KENSHIN SAKUTA KESLER PHILOGENE** KUNAL DANDEKAR LARYSA BULASH LORIS POLLINO LUCIE MARTIN LUIS ARAUJO MAHESWAR JAGANATHAN MADHAVAN THANGADURAI MUSHTHAKH AHAMED MANISH CHAUDHARY MARIA LLORET MARIAM PARSADANYAN MARIE LATOUR MARTIAL CHARLET MATHIEU BISSONNETTE MAXIME DROPSY MICHAEL MCCLELLAN MOHAMED ELBEBAWY NAMRATA THEURKAR NITIN MATEKAR NAOMI COSTA NEEHAL KUMAR NILESH PARSADE NITHYA B PANDHRINATH SURYAVANSHI PRITHIRYA CHAKRABORTY PRASHARAY MANDRA PRAGY GEHLOT PRAKASH P **RANJEET KUMAR REETIKA SINGH ROHIT MAGDUM RAJESH BHIMAVARAPU RAKESH SANTOSH PATIL** RAMON COPPA **RYAN DONIAS RIMA ROY ROHIT UPADHYAY** RAGHURAM SUROJU **RANJAN DE** SAGAR SHITKANGE SANJEEV GIDDALURU SAMPATHKUMAR LANKA

FRANCESCO MARSANO FRANCOIS LEVRAULT GABRIELA BRANDES GANESH M **GRANT WILSON GOURISH NADIGER** HARSHAD KOTTAKONDAWAR **JAIME TREVINO** JESUS CHICA JISU MOON JOHN CASTILLO JAGADISH BABU **KAMBAGIRI EKNATH KAMIL KOWALSKI KARTHICK MASILAMANI KEITH KNIGHT KENT ENSTROM KILLIAN PERIE KUNAL CHAVAN** LEO HEROLD LUCA CHIARI LUDOVIC JOUAULT MADELINE WEATHERS MAHESH CHINNI MAHESH ANKUSH MALAP MANIK KALSI MANJUNATH BARAMATI MARIA NINO MARIANA CANTU MARIO MACHADO MARTINA CIURLETTI MAURINE FAUVERT MICHAEL COLDWELL MAHESH MIKHAIL NADIM MIRZA NOF AYAI A NIKHIL RAMCHANDANI NAVJOT SINGH NIKHIL KORPAD NITIN MATEKAR PABLO PEDRAJA SERRANO PRASANTH ASOKKUMAR **PIYUSH RAJ PRADEEP T V PROSANTA DEY OIAOSONG MEI RAVIKANT SINGH RISHI A RAVI CHITTETI** RACHEL HANSARD RAMON CABRERA RUDDY BUCH RHYTHM AGGARWAL **ROHIT PALIWAL ROMAIN MONTIGNY** RYAN GUGLIOTTI SANDEEP P R SAMMI HUA SHARAD SAXENA SANJAY DUTTA

SAORI YOSHIMOTO SARA SEIWELL SARDAR JAF SIDDIOUI AHMAD SATISH GUPTA SEBASTIAN HERNANDEZ SHIN YU HSIEH SAJIM ALI SERGIO BENAVIDES SERGEY SMIRNOV SRIVATSAV RAGHAVAN SHAMBHAVI KASHINATH SHASHANK KHAIRA SHIH CHUN CHEN SUBHAJIT DAS SAHIL OSWAL SHRAVANI KULKARNI SUDHIR NEHARE SUNKARA NAGESWARA SHUBHAM SAGAR SURESH MUMOORTHY SUSHIL KAMBLE SHUBHAM HARALE SNEHA PEDDIREDDY SOPHIE NOEL SOMIL VERMA SOUVIK KARMAKAR SOWMYA KG STEVEN DAWSON SUJIT GUPTA SURESH KUMAR V SUSANTA PAUL SANDA RAVINDHAR REDDY SRIKANTH MANGIPUDI SWAYAM NAYAK SURESH RAJENDRAN TAE JOON PARK TANMAY PAGAR **TIGRAN HOVSEPYAN TINA TSOU VISHAL JADHAV VIVEK KUMAR VISHAL MEHTA VIKAS SHETTY S** VADIVEL KUMARASAMY **VENKATESAN D** VICKEY TULASHIDAS PAWAR **VERONICA PIN** VICTOR PIETRZYKOWSKI VINAY RAMACHANDRAN VIOLETTA REBRAKOVA VENUGOPAL ANANTHANENI **VENKATESWARLU G VENKAT VARMA** VANNEMREDDY KUMAR VISHAL JAGTAP VISHAL MAHADEVAN **VISHNU S** VASUDHA MAYEKAR VINAYAK MAHADIK VICHU PARMASIVAM VIJAY PATIL XIAOWEI XIE YANNIS WOOD YASH PATHAK YI SHIANG CHEN **YI-HSIANG HUANG** YOKESH BASKAR Heads of Creative Operations and CG.....DHIRAN KARKERA FRANCIS ST-DENIS JAMES RUSTAD PAYAL VIJAY SELVAM Executive in Charge of Client Services.....STEPHANIE ALLEN Global Head of Creative LEAH BEAVERS Visual Effects and Animation by MPC ADELAIDE

VFX Supervisor	MALTE SARNES
VFX Art Director	NICHOLAS PILL
DFX Supervisor	MICK WATSON
CG Supervisors	INIGO VIMAL ROY
	JURI BRYAN
	ROBIN REYER
Comp Supervisors	BRAHMAN BANGARU
	HARSH MAVI
MPC Executive Producers	GILLIAN HOWE
	RK CHAND
Senior Vice President	ALEXANDRA DAUNT WATNEY
Executive VFX Supervisor	SIMON JOHN MADDISON
MPC Associate Producer	TUREA BLYTH

VFX Artists **AKHIL SUDAN** AKSHAY POLEKAR ALESSANDRO ZALTRON AMEY ANILTODKAR ANANT PANDEY ARUNDEEP R ATUL DADARAO DABHADE BHADANIYA JAY CHADRAKANTBHAI **BINDU GUPTA BRITTANY BELL CHANDAN SHARMA** DAVID VOIGHT DEEPAK KUMARBISWAL **DIPAK PRABHU** EMMA WALKER GAURAV ARUNKALE **GIOVANNI MANILI** GOPI TILAK K HAARISH A HARSH GODARA **HIMANSHU KHURANA** IMAN JAVAHERYPOUR JALEEL SHAIKH JOGU ABHISHEK JOHN SALEEM JOSEPH MARTIN **KANIYA NEINWAL** KIRAN SASIDHARANROSHIN KOMAL GUPTA KRISHNA MAHESH BOLLI MADELEINE J DEANE MANOJ KUMAR MOHIP GHOSH NAREN VENKATARAMAN NITIN N SHETTI **PANKAJ VERMA** PRANALIDASHARATH THAERALI PRASAD VISHWANATH MOHARE **RAHUL LEWIS** RAMESH KUMAR YANAGANGHULA **RISHIKESH GANESHSHELKE** RUP ROY CHOUDHURY SAGIRA PAVAN KUMAR SANKARAN MOHANRAJ SAURABH SHARMA SEENUVASAN A SHRUTI JANU SHUBHAM SANJAYCHAVAN SRIDHAR RATHINAVELU SUKANTA ADHIKARY SUSHANTH SIVAN TANAY SUTHAR TUSHAR MUKARJEE **UJJAWAL JUWARY**

Production Managers GOWTHAM MAHALINGAM

SHAYE GUILLORY **AKSHAY GANGADHAR BELCHADA** ALEKSANDR NIKITIN AMEER AHAMED P A AMIT KANT **ARUN BABU** ASHOK JOHNKUMARK **AVANI SHUKLA** BHAVEESH PV **BRIAN NAVEEN** CAMERON BARRETT CRAIG D CLARKE **DIPAKKAKADE JAYESH** DEEPAK JOSHI **ELENI TAYLOR** EZHIL DEVAPRIYAN **GIANLUIGI BEVILACQUA GOPINATH DAS GOURAB MUKHERJEE** HANUMANT POKHARKAR HARRISON SUTCLIFFE HIMANSHU KUMAR DWIVEDI JAMES BLEAKLEY JEBARAJ LIVINGSTON JAMES JOHN CHRISTOPHERP JONATHAN WENBURG JOSHUA D WARNER **KAPIL USHA SONI KIRAN SWAMIRAO HOTKAR KOTIPALLI ANISH** LIZ DRAYTON MANICKAM P **MARIANE TOSTES** MUKESH GAVADE NICOLAS CABOCHE PANDHRINATH SURYAVANSHI PETER WU **RAJEEB KUMAR NAYAK** RAMESH SHANKER ROGER MOK SACHIN BANGERA SANTANU BHATTACHARYA SAURABH SANTOSHSALVI SEAN HARPER SHAILESH SATISH PAIYALA SHUBHAM SAHANI SONAL PRANESHMHATRE SRINATH BALASUBRAMANIAN SUMIT VIKRAM KAMBLE SUSHIL P PAWAR TANISHA KASHYAP **TYLER TEDMANSON** UTAL UTTAM DHERE

VEERA VENKATA SATYANARAYANA NAGULAPALLI

MANSI SHAH

IZABELLA MAYUMI

VAISHALI VIRENDA GIRI

VENKATESWARA BHARETH		JOHN BLISS	SUSIL S SABAT
VIJAY BHARETH REDDY BON			BOINI BHARGHAVA
	VIRESH HARIDAS	PREETAM SAHA	SHIVANGI SHRIVASTAVA
	VISHAL KUTYARI	NATWAR SINGH	THOMAS STEINER
VIVEK PARIPELLY	YOGESH KHOT	RINKI RAI	NATHANIA NEMA
YANGTANG XU	YUNG ZHEEN LEE	AKSHAY SACHDEVA	SIJU MURUGAN
	Production	TAIGA ISHIBASHI	OLIVIA MITCHELL
ABHIJEET RAJ SINGH	ALENA DUYKERS	ADARSH LANGTHASA	ADAM PETTIGROVE
AMBER WARREN	APOORVA SINGHAL	SUJEEN NEPALI	KUNAL BISWAS
CAT SANDERS	CLINTON JEROMIAH DOMINIC L	VINCE BUFALINO	ANDREA PEVERELLI
JONATHON VOZZO	LINDA NGUYEN	ASHLEY MEARS	JESSICA LIN
NAMEETA TONY	PRIYA S JAIN	DALLY GARCIA ARREAZA	FRANCESCO CADONI
RAKSHITH SHIVAKUMAR	RAVI KUMAR SARAKAM	JUSTIN GREENWOOD	ORLANDO CAMIÑA DOMINGUEZ
RAVI SAGIRI	SHEETAL SUDHAKAR SHINDE	SUJIT JAIN	
SWETHA MADHAVAN	VARUN A PAWAR	-	nent Supervisors
VISHAL AWAGHAD	ZUBER KHAN	ANIL REDDY CH	DILEN SHAH
	Support	VICTOR GLUSHCHENKO	THOMAS CANT
CALLUM GEE	DYLAN HENDERSON	RAJBIR SINGH DHALLA	MARK HONER
ELAYARAJA KRISHNAN	JAMES STONE	ANDREW PALMER	GREG WIEDER
MOHAMMED RAFIQ	SCOTTTRAEGER	PAUL TAYLOR	TROY TOBIN
		ANTHONY WINTER	DYLAN SHAW
	sual Effects by		ion, Technology, Studio Support
RISIN	G SUN PICTURES	GARETH ERIKSSON	JENNIE ZEIHER
		MAREE FRIDAY	RICHARD SAADE
VFX Supervisor	JAMIE MACDOUGALL	SCOTT BULEY	TONY CLARK
	PREMAMURTI PAETSCH	BEN PASCHKE	VAUGHN WHITE
Production Managers	HAO TRUONG	ASHLEIGH WHITE	GEMMA WOOD
	JONATHON MCKENDRICK	KRANTHI KUMAR K	SAMANTHA ABDA
	JESS BURNHEIM	BREE WHITFORD-SMITH	DANIELLE CARDELLA
	CRAIG FIELD	JULIETTE CHRISTIE	SARA HENSCHKE
	RACHEL COPP	SARAH BENEKE	MALOU BRYAN
	NEILL BARRACK	STEPHANIE LOWRY	CRYSTEL NEWMAN
	ger LEEMA ROSE	MONICA QUAN	WENDY NETHERCOTT
	JASON QUINTANA	VANESSA WILLIAMS	TRACY DAVIDSON
	ALEX MEDDICK	DAVID CAUNCE	DEAN MRAZEK
	Lead Artists	ANDREW RUTHERFORD	ANDREW WILLIAMS
DAVE ARSCOTT	ALPHY ANTO	BRITTANY GRAHAM	MORGAN PETRIE
MICHAEL JOHNS	ISAAC TURIER	ELYSHA DEKKER	NATHAN BETTS
HARRY MEDLIN	MEIWA CHAN	ADAM POTTER	LEIAH SEARS
LIUDMYLA CHORNA	JOSH ELLEM	JACK LUKAC	JAMES FAULKNER
RENGANATH K		ALEX FOX	JESS CAIRE
Production Coordinators	ABBIGAIL LIVERMORE	PATRICK NAGLE	SARAH BOND
	AMANDA CHIN	DAN WILLS	DARIA KOZLOVA
	MARTIN BASIC	GABY VILLAR	PARIS DOWNES
	Digital Artists	PAUL SUEL SOBOLEWSKI	RAFAEL VILLAR JOINER
ADEL NURZHANOVA	SAM HANCOCK	SIMON WALSH	ABIGALE RAECK
BASTIAN ALEXANDER PETJ		ATHUL MATHEW BENJAMIN	CHRIS KING
LUIS CANCIO VILLALONGA	LUDVIG JONSSON	JAKE BOTT	LOUIS CIANCIULLO
MATT CRUMP	DANIEL NEES	SHANE BERRY	ZACCARY PUCKERIDGE
MACKENZIE FLAY	DYLAN VAN NIELEN		
TOM MALCOLM	JORDAN GALPIN	Visu	al Effects by
HOWIE LAUNDY-BEST	GV PRANSATH	9	SPIN VFX
VANESSA ROSSI	HEATH DINGLE		
GOURAV KUMAR	KRIS CARSON		ProducerNEISHAW ALI
BRADEY STRONG	MARTIN KINDL		GEORGE MACRI
ENRICO ZERBO	NIMISHA SETHI		GAUTAM SINGH
PETER KUMIC	LEO EVERSHED		ADAM BAKER
JACK WEST	DOMINIC STEPHENSON	Effects Supervisor	TIM SIBLEY
ALEX JAMES	REBECCA BOGERT	Head of Compositing	ANDREW SCOTT
EMMA SULLIVAN	VISHAL K KAUSHAL	VFX Supervisor	WESLEY SEWELL
	v	VIII	

Head of AnimationLighting SupervisorHead of 2DCompositing Supervisor	MATT PHILIP PETER GILIBERTI INNA ITKIN ERIC DOIRON HONG KYOUNG KIM oduction BOBBY-JO SINCLAIR EMILY KIRBY MICHELLE SPINARGOTE
XINQI HE	
Digi	tal Artists
AARON HALL	ABHISHEK VERMA
ADAM HULBERT	ADISAK THANESANUKUL
AHMED HAMAWY	ALASGAR HASANOV
ANDREW DIAS	ANGAD SING RANA
ANKIT BARTARIA	ANTON VOYTENKOV
ARPITA CHIKODIKAR	BERKAY KASIN
BERNADETTE WATSON	BONNIE WANG
BRENDON GREEN	BRIAN SZIKLASI
CAMERON COTTON	CAROL PRINCE
CHUJIA WEI	DANIEL MARTIN
DIEGO MEDELLIN	DINESH SUBRAMANIAN
DINO MANO	ERIC MATTSON
GENE XU	GLENN BUNDESMANN
GRANT WALLACE	GRECIA RAMIREZ
HALLDORA HILMARSDOTTIR	HARISH VISHWAKARMA
HEMENDRA BHAGAT	HYUNMI CHOI
ISAIAH FRANKLIN	JACK MALONE
JAMES CHRETIEN	JASON KOLODZIEJCZAK
JASON WONG	JOHN PAUL
JOHN VOLNY	JONGJU LEE
JONATHAN SUGIJONO	JORY HOLT
JW PANG	KAYAN YEUNG
KAITLYN FRANKEVYCH	KELLIE O'SULLIVAN
KIRK BRILLON	KRISHNA ANTHARA
LAFIM MIRI-DASHE	LISCAR SCOTT
LING CHEN	MARIANO STEINER
MARKO CVIJETINOVIC	M MEIDINGOO SINGH
MICHAEL CRIGLER	MIRKO JANKOVIC
MOMEN ABBA	MRIDUL VIJ
NAAZ SHAHEEN KHAN	NICK KUBIK
NIKHIL DHAWAN	ODEL PLUMMER
OSCAR TREJO	PAYAL AILANI
PERSAD KALE	QILU HOU
QUENTIN WALLAERT	RAHUL SINGH
RACHEL COPELAND	RAJKIRAN BHANDARI
RAKESH BHARATH	RAVI RAJU CHALLA
REKA HORANYI	RISHI REDDY
RIYAZ KHAN	ROBYN FONTAINE
RYAN CROMIE	RYAN KILBANE
RYOMA OMICHI	SALMAN ATTAR
SUBIN KIM	SUNDARAPANDIAN RAJENDRAN
SURAJ GURUNG	STEVIE RAMONE
TEDDY PETERSON	THOMAS BERGAMINI
TOMASZ ANTOS	TREVER JOHANSEN
VIKAS SHARMA	VINAYAK VENKATESH
WEI-LIN CHEN	YURI VIEITAS

Visual Effects by ATOMIC ARTS

VFX Supervisor.....JUSTIN CORNISH Atomic Arts ProducersROSHNI MARANAT

	CHANDRA MOULEY
Production Coordinators	
	SOURABH SAWANT
S	REEREKH VIDYADHARAN
Compositing Lead	
Production Manager	
Background Prep Lead	AUSAF ALI YUSUF ALI
VFX Editor	LUIS GOMEZ
Compositors	
KUNAL RATHOR	NITESH PANCHOLI
NAVEEN KUMAR	SRINIVAST
MANISH BHAINIYA	SWAPNIL AMBERKAR
Bg Prep Artists	
MANJUNATHA N	MAYUR WAGHMODE
AKANSH VERMA	RAJU KUMAR
NAGARAJU K N	NIJU MOHANDAS
UMA K	YALPI DILEEP
DHARMENDRA SINGH	ABHISHEK LAVANDE
SALAHUDDIN MOHINUDDIN	MOHIT RAO
JAY VAJE	RISHABH ARORA
VFX Support	
PRATEEK THADESHWAR	KIRAN BARGALE
SWAPNIL PATEL	MOHAN KEMBAVI
ANITHA ANAND	SANDEEP KUMAR
Visual Effects by	
Visual Effects by	
Visual Effects by FOLKS VFX	
FOLKS VFX	
FOLKS VFX	PHIL PRATES
FOLKS VFX	PHIL PRATES
FOLKS VFX	PHIL PRATES
FOLKS VFX VFX Supervisor Compositing Supervisors	PHIL PRATES TOSHIKO MIURA MICHELLE GEORGE
FOLKS VFX VFX Supervisor Compositing Supervisors CG Supervisor	PHIL PRATES TOSHIKO MIURA MICHELLE GEORGE TRICIA KIM
FOLKS VFX VFX Supervisor Compositing Supervisors CG Supervisor Lighting Supervisor	PHIL PRATES TOSHIKO MIURA MICHELLE GEORGE TRICIA KIM NISARG SUTHAR
FOLKS VFX VFX Supervisor Compositing Supervisors CG Supervisor Lighting Supervisor FX Supervisor	PHIL PRATES TOSHIKO MIURA MICHELLE GEORGE TRICIA KIM NISARG SUTHAR OLEG MEMUKHIN
FOLKS VFX VFX Supervisor Compositing Supervisors CG Supervisor Lighting Supervisor FX Supervisor Animation Supervisor	PHIL PRATES TOSHIKO MIURA MICHELLE GEORGE TRICIA KIM NISARG SUTHAR OLEG MEMUKHIN CORY HUMES
FOLKS VFX VFX Supervisor Compositing Supervisors CG Supervisor Lighting Supervisor FX Supervisor	PHIL PRATES TOSHIKO MIURA MICHELLE GEORGE TRICIA KIM NISARG SUTHAR OLEG MEMUKHIN CORY HUMES
FOLKS VFX VFX Supervisor Compositing Supervisors CG Supervisor Lighting Supervisor FX Supervisor Animation Supervisor Layout Supervisor	PHIL PRATES TOSHIKO MIURA MICHELLE GEORGE NISARG SUTHAR NISARG SUTHAR OLEG MEMUKHIN CORY HUMES RYAN JAE WOOK PARK
FOLKS VFX VFX Supervisor Compositing Supervisors CG Supervisor Lighting Supervisor FX Supervisor Animation Supervisor	PHIL PRATES TOSHIKO MIURA MICHELLE GEORGE TRICIA KIM NISARG SUTHAR OLEG MEMUKHIN CORY HUMES RYAN JAE WOOK PARK SUNG-JUNE KIM
FOLKS VFX VFX Supervisor. Compositing Supervisors. CG Supervisor. Lighting Supervisor . FX Supervisor . Animation Supervisor . Layout Supervisor. Creature/Asset Supervisors.	PHIL PRATES TOSHIKO MIURA MICHELLE GEORGE TRICIA KIM NISARG SUTHAR OLEG MEMUKHIN CORY HUMES RYAN JAE WOOK PARK SUNG-JUNE KIM ALEX AVDYUSHIN
FOLKS VFX VFX Supervisor Compositing Supervisors Lighting Supervisor FX Supervisor Animation Supervisor Layout Supervisor Creature/Asset Supervisors VFX Producer	PHIL PRATES TOSHIKO MIURA MICHELLE GEORGE TRICIA KIM NISARG SUTHAR OLEG MEMUKHIN CORY HUMES RYAN JAE WOOK PARK SUNG-JUNE KIM ALEX AVDYUSHIN TANYA HADDAD
FOLKS VFX VFX Supervisor. Compositing Supervisors. CG Supervisor. Lighting Supervisor FX Supervisor. Animation Supervisor. Layout Supervisor. Creature/Asset Supervisors. VFX Producer VFX Executive Producer	PHIL PRATES TOSHIKO MIURA MICHELLE GEORGE NISARG SUTHAR OLEG MEMUKHIN CORY HUMES RYAN JAE WOOK PARK SUNG-JUNE KIM ALEX AVDYUSHIN TANYA HADDAD SARAH WORMSBECHER
FOLKS VFX VFX Supervisor Compositing Supervisors CG Supervisor Lighting Supervisor FX Supervisor Animation Supervisor Layout Supervisor Creature/Asset Supervisors VFX Producer VFX Producer VFX Producer VFX Production Manager	PHIL PRATES TOSHIKO MIURA MICHELLE GEORGE NISARG SUTHAR OLEG MEMUKHIN CORY HUMES RYAN JAE WOOK PARK SUNG-JUNE KIM ALEX AVDYUSHIN TANYA HADDAD SARAH WORMSBECHER ZACH BARDOEL
FOLKS VFX VFX Supervisor. Compositing Supervisors. CG Supervisor. Lighting Supervisor FX Supervisor. Animation Supervisor. Layout Supervisor. Creature/Asset Supervisors. VFX Producer VFX Executive Producer	PHIL PRATES TOSHIKO MIURA MICHELLE GEORGE NISARG SUTHAR OLEG MEMUKHIN CORY HUMES RYAN JAE WOOK PARK SUNG-JUNE KIM ALEX AVDYUSHIN TANYA HADDAD SARAH WORMSBECHER ZACH BARDOEL
FOLKS VFX VFX Supervisor Compositing Supervisors CG Supervisor Lighting Supervisor FX Supervisor Animation Supervisor Layout Supervisor Creature/Asset Supervisors VFX Producer VFX Producer VFX Producer VFX Production Manager	PHIL PRATES TOSHIKO MIURA MICHELLE GEORGE NISARG SUTHAR OLEG MEMUKHIN CORY HUMES RYAN JAE WOOK PARK SUNG-JUNE KIM ALEX AVDYUSHIN TANYA HADDAD SARAH WORMSBECHER ZACH BARDOEL
FOLKS VFX VFX Supervisor. Compositing Supervisors. CG Supervisor. Lighting Supervisor FX Supervisor. Animation Supervisor. Layout Supervisor. Creature/Asset Supervisors. VFX Producer VFX Executive Producer VFX Production Manager. VFX Coordinators	PHIL PRATES TOSHIKO MIURA MICHELLE GEORGE NISARG SUTHAR OLEG MEMUKHIN CORY HUMES RYAN JAE WOOK PARK SUNG-JUNE KIM ALEX AVDYUSHIN TANYA HADDAD SARAH WORMSBECHER ZACH BARDOEL OKSANA ANDRULIS JONATHAN NGUYEN
FOLKS VFX VFX Supervisor Compositing Supervisors CG Supervisor Lighting Supervisor FX Supervisor Animation Supervisor Layout Supervisor Creature/Asset Supervisors VFX Producer VFX Producer VFX Producer VFX Production Manager	PHIL PRATES TOSHIKO MIURA MICHELLE GEORGE NISARG SUTHAR OLEG MEMUKHIN CORY HUMES RYAN JAE WOOK PARK SUNG-JUNE KIM ALEX AVDYUSHIN TANYA HADDAD SARAH WORMSBECHER ZACH BARDOEL OKSANA ANDRULIS JONATHAN NGUYEN NADINE FRÈVE
FOLKS VFX VFX Supervisor. Compositing Supervisors. Lighting Supervisor . FX Supervisor . Animation Supervisor . Layout Supervisor. Creature/Asset Supervisors. VFX Producer . VFX Producer . VFX Production Manager. VFX Coordinators . VFX Editors .	PHIL PRATES TOSHIKO MIURA MICHELLE GEORGE NISARG SUTHAR OLEG MEMUKHIN CORY HUMES RYAN JAE WOOK PARK SUNG-JUNE KIM ALEX AVDYUSHIN TANYA HADDAD SARAH WORMSBECHER ZACH BARDOEL OKSANA ANDRULIS JONATHAN NGUYEN NADINE FRÈVE MIKE KIRKWOOD
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Head of 3D AMIT KHANNA

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BALAJI SANTHANAM	CAM CHEN	PRASHANT GOEL	MARIANO LACERNA GOLDAR
ERIC LIN	EVAN HUMES	RICARDO GOMEZ	EDUARDO GONCALVES
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HEAVEN ZHAN	HEMIN RASUL	SALVATORE IAMONTE	KENNY JIA
JESSICA SPINELLI	JIEUN KIM	RAJESH JOGANI	JESS JOHNSON
JOON PARK	JUYONG JEON	CHRIS KEELER	RAHUL KOTHARI
LEONARDO SILVA	MARIA CAMILA LOPEZ	MANOJ KUMAR	SAMARENDRA LENKA
MARTIN NAYDENSKI	MONTASSER KHALIL	BRENDAN LINDSAY	JARRETT MARSHALL
NATHAN REID	NATHAN SEGRE	JULIEN MARTINEZ	BEN MCDOUGAL
NITIN GARG	RYAN CURRIE	SINA MEHRALINIA	CHRISTINE MILLEDGE
SEJUNG KIM	SIMON GIFFEN	GUTO MIRANDA	JP MURDOCH
SUJUNG KWON	TOM FORTIN	ASHITA NARANG	MIGUEL OLIVEIRA
XIANGYU CHAD YIN		VICTORIA PARET	GAEL PATINO
20) Artists	KEVIN PENDERGAST	THIAGO PEYON
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ALINE ONOE	ANTHONY GARCIA	MENTALLAH REFAE	RAHUL ROY
CAYLEE HAN	DAHYE JEONG	RAJVINDER SANDHU	JAMIE SELIN
KARUNA MAKHIJA	KEIKO HIRAMITSU	ANAND SESHADRI	RONAK SHAH
KIM MARTINEZ	KEN SONG	VIVEK SHARMA	CHASE STARK
LUCIA LI	MADHUKA GUNASEKERA	KENNEDY SUMMERFIELD	NITESH SUTRAVE
MARCO LEE	MARIA SOLEDAD GALINDO	DANNY TESTANI	ALITHAHEEM
MARINA MIYAZATO	MARLIS COTO	AKSHAY M V	GOPALARATHINAM VISWANATHAN
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PARISA FOROUTAN	PRAKRITI PANDEY	TONY YEOM	MOHAMED ZEKRI
RAM NADAM	ROHAN PATEL	DAVID ZHU	
SUJESH V. CHITTY	YOORIM LEE		
YULIA SEGURA	YUNA JUNG	Vis	ual Effects by
ZENA BIELEWICZ		TERR	RITORY STUDIO
	n & Technology	TERF	RITORY STUDIO
	n & Technology CÉDRIC BONNAFFOUX		
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GONG SHUAI WANG LU ZHANG YUNFEI ZHANG MINGMING A LIYA AN YANCHUAN **CE JIAN TAN** CHEN JIAN CHEN LONG COCO XU **DENG HONGJI** DONG CHENG GAO CHENMING **GUO SHENGMING** HAN SICHENG HIMANSHU SOLANKI **HU YONG** JASMINE LEE MJ JOHN-NIE LAI KAH YEE LEE LI CHONG LI JINGXIN LI PINXUAN LI SUORAN LI XUECHEN LI YINGYING LING CHENCHEN LIU HUIDAN LIU NANA LIU YI LOGAN LEE YL LV WUYANG **QIAO YIZHE RAKESH HERURKAR** RAY TEH SHEREEN CHEAH SOURABH BATRA SUN CHUANGXIN SUN YUMENG TIAN ZHONGLI **VIJAY PAITHANKAR** WANG HAO WANG LIN WANG QI WANG YI WU SHIHONG **XIE MINGHUI** YANG YUPENG YAO PENGCHENG YUAN JUN YUAN ZHENPU ZHANG XUEFENG **ZHAO FANG**

MENG CHU ZHANG PENG SUN JIANWEI ZHENG SIYANG AN MING CAI CHUNTING CHANG ZHUANG CHARLTON CORDOBA **CHIYUREN DENG HAONAN DING XIHONG** DONG OINGBIN GONG KE GUO YEE LEE HAN XINZHI HU KUAN **HUANG HAORAN** JING YIFAN JUWITA NURENDAH KOK KIM KHOR LI GUANNAN LI MEIHUI LI SHUNYU LI XIANG LI YAPING LIAO ZEEN LIU CHANG LIU LIRONG LIU XIAOYU LIU ZHIWEI LU XIAOJING **QIAO WENFA** QIU KANG RAMESH EDUPALLI SANDEEP PATIL SHI YANXING SU HENGWEN SUN JIANWEI **TIAN FUGUO** TONG LUYAO WANG CHENXU WANG JIABIN WANG PANPAN WANG XINYU WEI LIMEI WU YANJUN YANG LUYAN **YU TIANFU** YONG TAIK WONG YUAN MIN ZHANG CHUNJIE ZHANG YANGMING **ZHAO SIHAO**

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	STEREO D	Sound Designer	KIMBERI Y PATRICK
F	OX VFX LAB INC.	Sound Effects Editors	
	UTURE DELUXE		JUSTIN DOYLE
	INESITE VFX LTD		SAMSON NESLUND
			JON BORLAND
Clo	ud Tank Effects by	Additional Sound Design	TIM FARRELL
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CHRIS PARKS	CHRIS CAMPKIN		BJØRN OLE SCHROEDER
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Visual Ef	fects and Main Titles by		TREY TURNER
	PERCEPTION	Foley Supervisor	
a - 1		Foley Editor	
Co-Founders	DANNY GONZALEZ	Foley Artists	
	JEREMY LASKY	E.L. MALL	
	ERIC DALY	Foley Mixer	
	······································	Loop Group MixerMATTHEW WOOD Assistant Supervising Sound EditorJALISE BEAMON	
FIGUACION COORDINATORS.	ALEXANDRA GUTIERREZ	Apprentice Sound Editor ALLISON NG	
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TIM LINGARD	VLAD LYSENCO	Head of Production	
BOYANG MA	KAROL MARCINKOWSKI	General Manager	JOSH LOWDEN
ALEJANDRO ROBLEDO ME			
SKAN TRIKI	DAVE WEINSTOCK		l Finish by
		COMF	PANY 3
EV/C	End Crawl by		
EXC	EPTIONAL MINDS	Finishing Artists	
Studio Production Manag	erMICHAEL SCHMUECK		ADAM NAZARENKO ALAN GORDON
		Color Assistants	
	ISAIAH STRUM		FRANKIE HUDSON
, tigt			JUAN FLORES
		Hoad of Engineering	

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Head of Engineering GARY BALIAN

DI Technologist
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CO3 Executive ProducerSTEFAN SONNENFELD

3D Conversion by SDFX STUDIOS

StereographerJASON BOMSTEIN Stereo ProducerELLIESSE CUNIFF Assistant Production ManagerGEORGE CHURCH Production CoordinatorMADELINE GONZALES Production AssistantsBRADLEY CORREIA GLENN THORNHILL
SDFX Line ProducerGURUCHARAN PRAKASH KIRTIWAR SDFX Assistant Line ProducerAKBAR SHAIKH
Production ManagerROY VIJAY KUMAR
Resource Planning Manager TIFFANY TALMAGE
Assistant Stereo Supervisor (Roto) DEEPAK SINGH
Production Manager (Roto) RAMESH SINGH Assisant Production Manager (Roto)HITESH KUMAR
Production Coordinator (Roto)
Stereo Leads (Roto)TOMESH KUMAR MALVIA
DHARMENDRA KUMAR SINGH
Stereo Second (Roto) SAHADEV SADHASHIV SURYAWANSHI
Stereo Supervisors (Compositing) ELIZABETH DARROW
DANE WYLIE
Assistant Stereo Supervisor (Compositing) RAHUL NITIN MHATRE
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Software Developer BRUCE SUN
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Admin Representative ABHISHEK KRISHNAKANT PHALKE
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EVAN SAUNDERS

RAGHAVI ARYA

ADR Recorded at THE WALT DISNEY COMPANY Burbank, California

ADR Mixer	DOC KANE	
ADR Recordist	BRETT VOSS	
Re-Recording Mix Technician	ERIC FLICKINGER	
Re-Recording Engineers		
ANDY WINDERBAUM	RYAN STERN	
DAN ABRAMS	DANIEL TAPPAN	
RYAN ROBINSON	TREVOR WARD	

Additional ADR by SOUNDTRACK NEW YORK HARBOR PICTURE COMPANY PINEWOOD STUDIOS DUNGEON BEACH STUDIO LINE

Digital Dailies by PICTURE SHOP ON LOCATION SERVICES

Picture Shop Supervising Producer	JASON T. MORROW
Supervising Dailies Colorist	DAVE LEE
Dailies Operator	MICHAEL PEARCE
Dailies Producer	.VICTORIA BURROWS
Technical Manager	TRISTAN HEY
Dailies Engineering Manager	CHRIS BRANDS
Project Manager	.DENISE WOODGERD
Account Executive	STEPHEN CECI

Additional Dailies by PIX SYSTEM

MUSIC

Co-Composer	. MICHAFI PARASKEVAS
Score Coordinators	
	SAM MOHART
Lead Orchestrator/Conductor	TIM DAVIES
Orchestra Conductor	ANTHONY WEEDEN
Orchestrators	JEREMY LEVY
	JORDAN SEIGEL
	LORENZO CARRANO
	RYAN HUMPHREY
Orchestra Leaders	THOMAS BOWES
	JACKIE SHAVE
Score Recorded and Mixed by	
Additional Recording	
	MARTIN WEISMAYR
Additional Engineering	CHRIS BARRETT
Orchestra	
Contractor JENNY GOSHAWK FO	
Digital Score Recordist	
Additional Score Recordists	
	TRISTAN LINTON
Assistant Engineers	
	NEIL DAWES
Score Recorded at	
SYI	NCHRON STAGE VIENNA

Score Mixed at	THE LISTENING ROOM
Additional Music	CARLOS GARCIA
Additional Song Production	DAVY NATHAN
-	ARIS ARCHONTIS
Choirmaster	MICHAL JURASZEK
Choir Conductor	GOTTFRIED RABL
Solo French Horn	
Solo Trumpet	TOM REES-ROBERTS
Music Librarian	
Music Preparation	JOANN KANE MUSIC SERVICE
Additional Music Preparation	
Music Preparation (UK)	DAKOTA MUSIC SERVICE
Music Librarian/Preparation (Vienna	
Music and Song Coordination E	NCOMPASS MUSIC PARTNERS
Music Coordinator	RAVEN DAVENPORT
Music Clearance and Legal Services	CHRISTINE BERGREN
	ALEXA COLLAZO

WELCOME BACK (THEME FROM WELCOME BACK, KOTTER) Written and Performed by John Sebastian Courtesy of Reprise Records By arrangement with Warner Music Group Film & TV Licensing

> IL CAPO Written by Austin Filingo and John W Padgett Performed by Austin Filingo Courtesy of Black Toast Music

> > Soundtrack album available on



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> Filmed at PINEWOOD STUDIOS

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Visual Effects work undertaken in South Australia with the support of the South Australian Film Corporation



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American Humane monitored the animal action. No animals were harmed[®]. (AHD 11473)

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IN MEMORY OF DAVID JONES

KANG WILL RETURN



Distributed by WALT DISNEY STUDIOS MOTION PICTURES



MARVEL STUDIOS ANT-MAN ** WASP QUANTUMANA

"There are worlds here—worlds upon worlds. It's a place outside time and space. It's a secret universe beneath ours." —Janet Van Dyne, "Ant-Man and The Wasp: Quantumania"

Production Notes

Marvel Studios' "Ant-Man and The Wasp: Quantumania" finds Scott Lang and Hope Van Dyne continuing to explore life as a couple who also happen to be Super Heroes. Life is good: Scott has penned a book, Hope is championing humanitarian causes and their family—Hope's parents, Janet Van Dyne and Hank Pym, and Scott's daughter, Cassie is finally part of their day-to-day lives. Cassie, it turns out, shares her new family's passion for science and technology—specifically with regard to the Quantum Realm. But her curiosity leads to an unexpected, one-way trip for them all to the vast subatomic world, where they encounter strange new creatures, a stricken society and a master of time whose menacing undertaking has only just begun. With Scott and Cassie pulled in one direction and Hope, Janet and Hank in another, they are lost in a world at war with no idea how or if they'll ever find their way home again.

Kicking off Phase 5 of the Marvel Cinematic Universe, the fast-paced, big-screen adventure features all of the heart and humor fans of the



MCU expect. "The 'Ant-Man' movies have always been about family," says director Peyton Reed. "In 'Quantumania,' we're deepening and complicating the family dynamic while painting on a much larger canvas. We dipped our toe in the Quantum Realm in the first couple of movies, and this time, we wanted to give the movie an entirely different look: It's an epic experience."

The stakes are high, adds Reed—"Ant-Man and The Wasp: Quantumania" sets the stage for several films to follow. "That, to me, was extremely exciting," he says. "Creating the Quantum Realm—it's the ultimate act of world creation. The idea is that they go farther down into the Quantum Realm than we've seen in the previous movies. We not only had to create the look of these cities and civilizations, we had to create the internal logic and history, and then populate it with all these creatures, beings and structures.

"We pulled together a lot of visual inspiration—everything from electron microscope photography to heavy metal magazine images from the '70s and '80s," continues Reed. "I collected all of these images from old science-fiction paperback book covers—artists like John Harris, Paul Laird, Richard M. Powers. Those paintings were evocative and really moody. We liked that feel and tone for the look of the Quantum Realm."



Adds producer Stephen Broussard, "It's a subatomic inner space within the world that we know. We asked ourselves: 'What does technology look like down here? What does society look like down here? What does religion and politics look like down here?' I think one of the reasons why the MCU has been successful and had the longevity that it has had so far is that we view new characters

and new stories as a chance to kick down the door on whole new worlds."

"Ant-Man and The Wasp: Quantumania" stars Paul Rudd as Scott Lang/Ant-Man, Evangeline Lilly as Hope Van Dyne/The Wasp, Jonathan Majors as Kang the Conqueror and Kathryn Newton as Cassie Lang, with Michelle Pfeiffer as Janet Van Dyne and Michael Douglas as Hank Pym. The film also features David Dastmalchian as Veb, Katy O'Brian as Jentorra, William Jackson Harper as Quaz and Bill Murray as Lord Krylar.

Directed by Peyton Reed from a screenplay written by Jeff Loveness, Marvel Studios' "Ant-Man and The Wasp: Quantumania" is produced by Kevin Feige and Stephen Broussard. Executive producers are Louis D'Esposito, Victoria Alonso and Kevin de la Noy. The creative team includes director of photography Bill Pope, production designer Will Htay, editors Adam Gerstel and Laura



Jennings, and costume designer Sammy Sheldon Differ. The team also includes visual effects supervisor Jesse James Chisholm, visual effects producer Fiona Campbell Westgate and special effects supervisor Paul Corbould. Christophe Beck composed the sweeping score.

Production for "Ant-Man and The Wasp: Quantumania" kicked off mid-year in 2021, wrapping in late November. Principal photography was based at Pinewood's iconic UK studios, located just outside London. The epic, sci-fi adventure opens in theaters nationwide on Feb. 17, 2023.

SURPRISE SUBATOMIC ADVENTURE PITS HEROES AGAINST A NEW FOE

Paul Rudd, Evangeline Lilly, Michelle Pfeiffer and Michael Douglas Return to the Big Screen Alongside the MCU's Most Powerful Villain to Date

Marvel Studios' "Ant-Man and The Wasp: Quantumania" is an epic sci-fi adventure featuring twists, turns and action-packed excitement. But at the heart of the story are the characters fans know and love and their down-to-earth approach to being Super Heroes.

According to producer Stephen Broussard, the story takes existing characters into new terrain where they encounter a host of unfamiliar faces—some friendly, some not. "Ant-Man and The Wasp: Quantumania' is many things," says Broussard. "It's a family adventure first and foremost. It's the story of a family of Super Heroes basically being pulled into an adventure within the Quantum Realm, and within that, it becomes an epic sci-fi war movie and a coming-of-age story. It's a lot of different things wrapped into one film."



Peyton Reed, who returns to helm the new adventure having directed the previous two movies in the "Ant-Man" lineup, knows the established characters inside out. He was eager to take them to new depths, so to speak, while maintaining their core familydriven values. "Scott's daughter, Cassie Lang, is now 18," says Reed, "and Scott and Cassie's relationship has always been a crucial part of

the 'Ant-Man' movies. His biggest motivation in life is to be a good father to his daughter, but events have kept him from spending time with her. In this movie, Scott struggles a bit because he still relates to Cassie as a kid, but she's a young adult now. And she's an idealist. She has her own ideas of how to conduct her life, which make for some really great dramatic and comedic tension.

"We wanted to explore the idea of secrets that family members might keep from each other," continues Reed. "Hope and Hank rescued Janet from the Quantum Realm where she lived for 30 years. It's easy to imagine that Hope had her own ideas about what it would be like to be reunited with her mom sharing all these stories, learning everything about her time away. But what would happen if her mom wasn't so willing to share all that happened down there? What would happen if she put up an emotional wall? The movie is really about this idea that you can be done with the past, but the past is never done with you."

Writer Jeff Loveness, who was called on to help mine the Quantum Realm for the new story, was intrigued by the opportunity to take Ant-Man and The Wasp out of San Francisco and into an unknown, terrifying new world. "When I first met with Peyton [Reed] and Marvel, we got so excited about making

this epic, massive adventure movie with the Super Hero you might least expect to be in it. From the beginning, the idea was to put them up against an Avengers-level threat, the next major villain of the MCU, Kang the Conqueror—but it's just Scott, Hope and their families."

Evangeline Lilly, who returns to the world of Ant-Man as Hope Van Dyne/The Wasp, appreciates the dichotomy of story and place. "[The film] is a sweeping, epic, incredible story, told through small, intimate characters that we've come to know and love," she says. "I'm very excited to see these characters take their family dynamics and their intimacy into such a grand and sweeping landscape—in this film, we go into the Quantum Realm and we spend a lot of time exploring."

For Broussard, the character arcs are key to the storytelling. "One of our philosophies that we've always applied at the studio is to just go back to character, and to root it in character, and the science-fiction



and the world-building is fun but ultimately it's window dressing to the characters who are on this journey."



According to Paul Rudd, who returns as Scott Lang/ Ant-Man, Scott's connection with his daughter has always been the most important thing in his life. "They have a strong relationship and I think there's a lot of love between those two characters," says Rudd. "It really is at the heart of what these films are about. As far as having Kathryn now play Cassie as a young adult was great. It's much different dealing with a 6-year-old than somebody who's 18."

"Ant-Man and The Wasp: Quantumania" is a stand-alone movie with a storyline that will have a

significant impact on the future of the MCU. Says Broussard, "We talk about movies like 'Captain America: The Winter Soldier,' in which you saw the fall of S.H.I.E.L.D. and it felt like the entirety of the MCU turned on that. 'Captain America: Civil War' was another film where you saw heroes divided and in camps and battle lines being drawn—it really felt like the future of the MCU was going to be defined by the action of that film. We really liked the idea of making this 'Ant-Man' film as important and integral to the MCU going forward."

HEROES, FREEDOM FIGHTERS AND THE MOST FORMIDABLE VILLAIN EVER

Character Roster Welcomes Familiar Faces Back to the Big Screen & Introduces Strange New Creatures of the Quantum Realm

"Ant-Man and The Wasp: Quantumania" marks the third film in the Marvel Cinematic Universe led by Super Heroes Scott Lang/Ant-Man and Hope Van Dyne/The Wasp. "One of the most fun things about 'Quantumania' is that the first two 'Ant-Man' [movies] are basically Earthbound—San Francisco," says director Peyton Reed. "They're really fun and you get to juxtapose the shrinking and growing to what we know around us. But what happens if we take these characters we're familiar with and throw them into this environment that's completely alien to them?



"We're not going down to the Quantum Realm with characters we're just meeting at the beginning of this movie," continues Reed. "The audience has a relationship with Scott Lang, Hope Van Dyne and with Hank and Janet—and now Cassie. We're going down there with family, essentially, and the thing that was really important to us in this movie was to keep all those personal, family dynamics alive. They're down in this whacked-out environment, but they're still having conversations about the minutiae—about family things that you would talk about around a kitchen table or something. That seemed really fun to us."

CHARACTER & TALENT LINEUP:

SCOTT LANG/ANT-MAN is an ordinary guy who accidentally became a Super Hero—an Avenger, no less, who literally saved the world. Life is good in San Francisco. Scott enjoys promoting his book— "Look Out for the Little Guy!"—and treasures his relationship with Hope Van Dyne, whether they're enjoying time together atop the Golden Gate Bridge or hanging out with Hope's parents, Hank and Janet. More than anything, Scott wants to make up for lost time with his daughter, Cassie. She may be 18, but he's still her father. "He's missed half her life," says screenwriter Jeff Loveness. "He tried to be her hero and he saved the world, but at the same time, he's lost more than almost anyone—and he can't get that time back."



Paul Rudd returns to the big screen as Scott Lang/Ant-Man. "A lot has happened with Scott over the last several years," says Rudd. "This is a guy who was living a normal life until he committed a Robin Hood-type crime—because he is a good guy. He went to jail for a couple years and then was recruited to be a Super Hero. He joined the Avengers, went down to the Quantum Realm and when he came back, he saved the Universe.

"We start this film after the events of 'Endgame' have happened,"

continues Rudd. "I think for the first time in many years, Scott is able to take a breath and sit back and spend some time with his daughter and be present in his own life. But that doesn't last long."

Rudd, who's played the character since 2015, says he feels a kinship with Scott Lang and Ant-Man. "One of the things that's been fun about playing this part is that there's nothing extraordinary about Scott," says Rudd. "He doesn't possess any real super abilities—he's not a God of Thunder, he's not big and green and strong, he can't fly. He's just an intuitive, smart guy. To play the part of a regular guy who didn't really want this but is forced to be heroic is fun."

As the new story gets underway, audiences will see a new side to Scott, who is enthusiastic about the present and looking forward to the future. "Scott is resting on his laurels," says Reed. "He's taking a victory lap when he gets pulled into an adventure he is not expecting."

HOPE VAN DYNE/THE WASP is the brilliant leader of the Pym Van Dyne Foundation, utilizing the revolutionary Pym Particle in new and innovative ways to advance humanitarian efforts. On a personal level, Hope is relieved to have her mom home again—though Janet has kept everyone in the dark about her experiences in the Quantum Realm. Hope and Scott's relationship is flourishing, and



she has a special connection with his daughter, Cassie, whose independent spirit reminds Hope of herself at that age.

Once again, Evangeline Lilly portrays the courageous, determined, philanthropic character. "Hope started as an isolated, cold, cut-off woman who had been hurt so badly in childhood that she really removed herself from intimacy and relationships," says Lilly. "Now, she's repaired her relationship with

her father, she has returned her mother from the Quantum Realm, she's fallen madly in love with Scott Lang—they're a dynamic duo, a Super-Hero pair. And on top of that, she's quasi-adopted his daughter, Cassie, and she's revitalizing Pym Tech—using it to better the world."

But, according to the director, Hope struggles with the reality of having her mom back. Says Reed, "Hope had this expectation—'I finally have my mom back after 30 years. I get to hear all of her stories. I get to experience her as a real person and maybe even a role model.' But as it turns out, that's not quite the case. They have a good relationship, but Janet is definitely putting up a wall. There are things she won't talk about. Hope finds that quite frustrating, and over the course of the movie, they're forced to face the reality of those secrets. It's all happening while they're on the run in the Quantum Realm. That's the main emotional arc for Hope in this movie—this idea of expectation versus reality."

Adds Lilly, "Hope brought her mother back from the Quantum Realm and was very excited. I think she might've had little-girl fantasies about what that reunion would be like. 'Mommy and I will tell each other everything and we'll be the best of friends and she'll be the mother I didn't have when I was 13.' Then her mom came back and what we don't see between the last film and this one is that she wasn't so open. She wasn't so intimate. She wasn't so vulnerable. There is a closed-off part of Janet that Hope can't reach and it hurts Hope. She's in a lot of pain because there's a lot of disappointment associated with the reality of bringing her mom back versus what the fantasy was."

According to producer Stephen Broussard, the character's look has been updated with a nod to her future as well as her comic-book past. "The Wasp's suit has a totally different color palette that's more akin to her classic comic look," says Broussard. "Evangeline even has some of Hope's iconic short hair that you see in the comics; she seems very different and very specific to this film in a way that's exciting."



KANG THE CONQUEROR is quite possibly the biggest threat the MCU has ever encountered, with multiple versions of the villain—each more terrifying than the last. Known as He Who Remains in "Loki," this new and profoundly dangerous version of Kang intends to up his game, triggering a concerted effort from Scott, Hope, Janet, Hank and Cassie to stop him before it's too

late. Time, it seems, is Kang's secret weapon, and he intends to use his unique understanding of it to conquer worlds far beyond the Quantum Realm.

"While retaining the intimacy of the family story, we decided we wanted to go really big," says director Peyton Reed. "And to do that, we needed a world-class villain in a movie like this. As a kid who grew up reading all the comics, I always loved Kang the Conqueror. He was one of the great antagonists in the comics."

Jonathan Majors, who portrays a variant of Kang in "Loki," fills Kang's shoes in "Ant-Man and The Wasp: Quantumania." Says Majors, "I think the film is ultimately about our relationship to time as human beings and how time plays within our relationships. Love, friendship, legacy: That's what the story is about and every character from Hank to Janet to Scott—all of us are touched by that and deal

with the threat or promise of time in a different way."

According to Reed, the key to Majors' performance was in embracing the character's unique powers. "We had a lot of conversations early on about how this character would move and speak," says Reed. "Kang is able to experience past, present and future at the same time. What does that look like? He conserves his energy. There's not a wasted gesture or word, and if Kang says something, he means it.

"Jonathan brought an entirely different energy to the set," continues Reed. "The 'Ant-Man' movies have always been comedies. I like to have a really relaxed, fun set so that the actors can go in front of the camera and feel comfortable trying weird stuff. It's a safe space. And Jonathan came in as this disruptor—this very intimidating force. He carried music with him when he showed up on the set—we knew Kang the Conqueror was there. It was so great to put that energy up against Paul Rudd's energy, and it mirrored what we were doing in the movie itself. A lot of people might consider Ant-Man the 'weakest' Avenger: 'What can that guy do? He shrinks and talks to ants. That's ridiculous.' Putting that guy up against Kang the Conqueror, who's the most powerful being in the multiverse—that seemed really exciting to us."

JANET VAN DYNE has finally escaped the Quantum Realm after being trapped there for three decades. Her return to her husband, Hank, and their daughter, Hope, was a dream come true and Janet is savoring every moment with them. But she's decidedly reserved about her time away, keeping most of the details secret until she's forced to reveal the truth when they all find themselves deep in the parallel world Janet had hoped she'd never see again.

Michelle Pfeiffer debuted as Janet Van Dyne in 2018's "Ant-Man and The Wasp"—but Reed had envisioned her in the role for years before that. "When we first got Michelle for the last movie, I was thrilled," says Reed. "In 'Ant-Man,' there's a brief flashback of the Hank Pym/Janet Van Dyne era—but we could only see the character's eyes through the mask. Michelle was always the dream casting



for that role. When it came time for the second movie, and she actually said 'yes,' we were thrilled. In this movie, Janet is essentially our tour guide through the Quantum Realm because she lived there for 30 years. We'll learn a lot about Janet's time in the Quantum Realm and the characters she met there."

Pfeiffer had the opportunity to expand the character, revealing—little by little—more about her time in the Quantum Realm, and focusing more on the mother-daughter relationship. Says Pfeiffer, "The last time Janet and Hope saw each other was when Hope was just a child. So, even though they both have been desperate to find their way back to each other, they don't really know each other. They're trying to reconnect as adults and it's challenging."

Complicating matters is the fact that they all get sucked into the Quantum Realm. "Janet has unfinished business in her past, which has ramifications for the family," says Pfeiffer. "This is an opportunity for them to finally get to know Janet and, like it or not, she is back in her element and needs to make amends for things that she thought were in her past."

DR. HANK PYM has confidently handed the reins to the Pym Van Dyne Foundation to his daughter, Hope, so he can embrace a slower pace of life now that his beloved wife, Janet, has returned after decades lost in the Quantum Realm. Still an ardent fan of ants, Hank keeps an elaborate ant farm in his basement and continues to tinker as any brilliant scientist would. He has welcomed Scott as part of the family and has a special place in his heart for Scott's daughter, Cassie, who Hank considers a surrogate granddaughter, encouraging her curious mind and ambitious spirit.

Michael Douglas, who returns to the MCU as the Pym patriarch, says Hank has assumed a more relaxed attitude as the new story gets underway. "He is semi-retired, enjoying the good life," says Douglas. "He's happy to have his wife back and realizes over the course of the story just how capable she is and how hard she must have worked for survival down there in the Quantum Realm for 30 years."



According to Douglas, the bond between Hank and Janet is pretty special. "Their relationship extends to their marriage and their careers," he says. "Not many people are able to pull that off. It's certainly an equitable relationship—they each have their strengths and weaknesses."

Director Peyton Reed says the duo's chemistry started long ago. "Hank and Janet have a history," he says. "It began in the original comics in the 1960s—they were original members of the Avengers. In fact, it was Janet who named them the Avengers. Although the MCU went in a different direction with those characters, I wanted to honor their importance—both in the Marvel Universe and as a functioning couple of Super Heroes who have a shared scientific curiosity.

"The questions in this movie are how is Hank adjusting to having Janet back and how is she adjusting to being back," adds Reed. "Hank has mellowed a bit—he seems to have found some peace now that they're reunited. But the movie presents some serious complications as her secrets test the relationship a little. They've been through a lot together—despite all of the things that are thrown at them in this movie, they're solid as a couple."



CASSIE is all grown up with a heartfelt desire to make the world a better place for future generations. Like her dad, Scott, Cassie is headstrong, independent, loyal and loving—fighting hard for what and whom she believes in, even if it means putting herself in jeopardy (or jail). She's grateful to have her dad back in her life—along with Hank, Janet and Hope—whom she has a special bond with. But Scott still sees Cassie as a kid—and she doesn't have time for that.

The father-daughter dynamic was an important part of the new story. Says Reed, "I really wanted to explore that relationship between Scott and Cassie. How does Scott relate to her now that she's an adult? Cassie is an idealist—she wants to do good in the world, but she's still trying to figure out what that means for her. She's trying to find her voice as a young woman. She can be quite critical of her

dad, so we had fun with some of the generational divide between father and daughter in this movie."

Kathryn Newton was cast as 18-year-old Cassie. "Kathryn has charisma. She's an athlete—an amazing golfer," says Reed. "And she can hang with [Paul] Rudd. I wanted to be able to do the scripted things and let them loose to do a little bit of improv. In terms of the rapport between those two actors, it was crucial for the movie, and Kathryn is terrific."

Newton had envisioned a role like Cassie for more than a decade. "The first Marvel film I saw was 'Iron Man' with my dad, and I think we just made Super-Hero movies our thing," says the actress. "I don't remember how old I was, but I can still see myself in the theater with my dad getting popcorn, telling him that I was going to be a Super Hero."



Years later, Newton found her way into the MCU—but she had to keep it secret for months. "Some secrets are way more fun when you're the only one who knows about them," she says. "I remember the announcement: I was sitting on my bed with my dogs, and it was my birthday. Then everybody knew. I got a lot of texts that day—I've never gotten that many texts on my birthday."

JENTORRA is the strong and respected leader of the Freedom Fighters—a group of displaced inhabitants in the Quantum Realm whose lives were turned upside down by Kang. She doesn't have time for Scott, Cassie and their problems—and worse, their presence alone puts Jentorra's crew in grave danger.



Katy O'Brian, who worked with director Peyton Reed in "The Mandalorian," was tapped to portray the powerful and unrelenting warrior who's among the first Quantum Realm residents moviegoers will meet. "There are living beings in this world and Jentorra is a native," she says. "You'll get to explore a lot of the different colonies and the different groups of people that we have here—broccoli man is my personal favorite. We have characters that float, we have blobs, we have mind-readers—all kinds of zany creatures and humanoids and mysterious things."

The subatomic world's inhabitants are undoubtedly compelling—however, most are suffering the wrath of Kang the Conquerer. "We're constantly on the move, constantly running, hiding and trying to fight back and reclaim our homeland," says O'Brian, who worked in law enforcement herself for several years. "We're fighting a losing battle—he's got way more people, we're outmanned, outgunned. But there's a little bit of hope we have to hold onto."

LORD KRYLAR is the governor of Axia, a bizarre and cushy community within the Quantum Realm. Call him cowardly or self-centered, Krylar unapologetically enjoys the high life his status grants him expensive meals, exotic cocktails and top-notch transportation aboard his huge pleasure yacht. It seems he and Janet are old acquaintances—but the details are vague, and she'd like to keep it that way. Says director Peyton Reed, "We liked the idea of kind of giving Hank and Janet this tension with Krylar. That felt fun to us."

Bill Murray portrays Lord Krylar.

M.O.D.O.K. is Kang's legendary and ferocious right-hand man, using intimidation and force to maintain the leader's firm hold on the Quantum Realm. "We thought Kang needed a henchman," says Reed. "M.O.D.O.K., which stands for Mechanized Organism Designed Only for Killing, was this grotesque character in the comic books—by design. He is a giant floating head stuffed into a tiny body, and if there's ever a context for M.O.D.O.K. to succeed in live action in the MCU, it felt like it would be in the Quantum Realm.

"The relationship between Kang and M.O.D.O.K. reminded us of Dennis Hopper's relationship to Marlon Brando in 'Apocalypse Now,'" Reed continues. "Of course, M.O.D.O.K. really has no choice, but he drank the Kool-Aid and is totally on board with Kang's plan and being his literal killing machine."

QUAZ is a no-nonsense telepath who fights alongside Jentorra in their quest to escape Kang's rule. Bioluminescent, his cerebrum glows when his power is activated. It's best not to question Quaz's abilities—his power is real and reliable, and he'll know who's doubting him the moment it happens.

William Jackson Harper was called on to play Quaz.

VEB, whose squishy exterior hides a warrior's spirit, is steadfast in his resistance to Kang and his army. Overly curious and maybe a little too friendly, he's fascinated by humans. Veb may not have holes, but he has a lot of heart. "This character reminds me a little of Gleep and Gloop from 'The Herculoids' the old Hanna-Barbera series," says Reed. "We wanted to make a photoreal blob who's obsessed with holes. Jeff Loveness, with his 'Rick and Morty' background, was great because he knows tropes and how to subvert them and that was crucial for the movie."

David Dastmalchian lends his voice to Veb.

XOLUM is a loyal soldier in Jentorra's legion of fighters who will do what it takes to ensure that the Quantum Realm remains safe from Kang's rule.

Reed likens the character to the science-fiction subgenre steampunk. "He has a glass-cylinder head surging with energy," says Reed. "We're telling the story of all these refugees whose societies have been wiped out by Kang. They've banded together to form a rebellion, so they had to look different."

James Cutler was cast to portray Xolum.

QUANTUMNAUTS are Kang's loyal foot soldiers who patrol the farthest reaches of the Quantum Realm to ensure everything is under the leader's control.

SUITING UP

Costume Team Creates Updated Suits for the Heroes, Subatomic Attire and a Truly Villainous Look

Scott Lang's transformation from good-hearted thief to Super Hero began with a suit, circa 1960. Like Scott himself, the Ant-Man suit has evolved, and "Ant-Man and The Wasp: Quantumania" had to deliver the latest in suit technology. "It's always been important, and quite frankly fun, for us to update each Super-Hero suit as the movies go on," says producer Stephen Broussard. "It stamps each movie with its own personality. Both Ant-Man and The Wasp's suit designs were updated."



But that's just the beginning. Costume designer Sammy Sheldon Differ and her team had to outfit the entire Quantum Realm population—not to mention the bonechilling villain known as Kang. Sheldon Differ, who was behind the costumes for 2015's "Ant-Man" and Marvel Studios' 2021 feature "Eternals," says Marvel Studios' newest epic big-screen adventure called for a lengthy prep period. "We had to wrangle what the Quantum Realm is," she says. "We had a lot to consider. It's not just the Super-Hero suits, we have a new baddie and characters that live in the Quantum Realm that we

needed to understand—who they are, how they live.

"Color is a big thing," continues Sheldon Differ, who also played with texture and pattern in the overall effort. "We didn't want it to be so dark that it's not fun. I tried to add splashes of color everywhere."

A HEROIC UNDERTAKING

Updated technology allows the characters to conceal their suits—activating and donning them at a moment's notice—with enhanced abilities to shrink or grow as needed. Ivo Coveney, costume effects supervisor, has worked on all three "Ant-Man" movies. According to Coveney, costume effects is the part of the costume department that is responsible for creating the sculptural pieces—helmets, armor, belts and beyond. "Easily 50 people will touch each suit from start to finish," says Coveney, who adds that they spent about 12 weeks creating costumes for the film.

- Ant-Man's updated suit, a far cry from Hank Pym's old suit, retains the iconic red and black tones, following the versions Ant-Man has been seen in the MCU thus far.
- The Wasp's suit has also been updated, and tonally, the yellow in her suit is brighter with some blue layered into the costume.
- Scott's daughter, Cassie Lang, makes her Super-Hero debut in the movie and her look echoes the Ant-Man suit in the shaping and texture with a purple color palette. Instead of signature hero boots, Cassie wears Converse sneakers, showcasing her younger and funkier vibe.

TOPPING IT OFF

The heroes' new looks include protective helmets and face shields. But filmmakers wanted to be able to switch easily from covered to uncovered in order to capture the actors' expressions. Helmets were built for reference with face plates and lenses that could be taken in and out depending on the requirements of the scene. The helmets were subsequently scanned to allow the VFX team to place

them onto the characters in post when scenes required.



ORIGINAL HEROES

Hank and Janet—the original Ant-Man and The Wasp—enter the Quantum Realm in their regular clothes. But Janet decides quickly that concealing their identities is essential, so they disguise themselves in a nomad look. "They come across a caravan of beings who give them some clothing—beige and red," says costume designer Sammy

Sheldon Differ. "I was careful with the choices we made so it would all be integrated."

THE CONQUEROR

Introducing the extremely powerful Kang the Conqueror presented an exciting challenge for Sheldon Differ and Coveney. Visual development supervisor Andy Park created the concept for the striking look and the costume team was tasked with bringing it to life in a way that suited Kang himself, Jonathan Majors, allowing the actor to move and adeptly perform action scenes.

"It was a very tricky concept to get our heads around," says Sheldon Differ. "We decided to just make the costume and forget about movement to start with so we could get the concept right with all the layers, the armored legs and arms, the skirt, overskirts, the tunic feel and the lovely lines running down the body that [director] Peyton Reed really wanted."

According to Sheldon Differ, production designer Will Htay's sets and the environments influenced the design of the costumes. For example, some of the lines of the Celestium are linked with Kang's costume.

Hair and makeup designer Jan Sewell played a key role in bringing the villain to life, utilizing Park's original design. His helmet emits a blue aura, says Sewell, who incorporated it into the hair and makeup design. "He has these lines around his face, which are quite extraordinary," says Sewell, who imagined the lines as



scars. "Maybe he's spent hundreds of years being this conqueror. We did several concepts of different types of scarring and Peyton asked Jonathan how he felt about it, and he loved the idea."

IN THE QUANTUM REALM

The characters in the Quantum Realm are wide-ranging—from Lord Krylar, whose status affords him a sophisticated wardrobe, to the Freedom Fighters, who have been immersed in a fierce battle. There are about 150 characters in the Quantum Realm, some of which called for full costumes while others were built in CG. The all-new characters and their ultimate looks posed big challenges and collaborative opportunities for costume designer Sammy Sheldon Differ and hair and makeup designer Jan Sewell.

For the Lord Krylar look, Sheldon Differ created a vibe that would showcase his elite lifestyle. According to the costume designer, they pushed his look way too far before finding the sweet spot. "It became too theatrical, so we pulled it all back, treating him like one of these guys with a yacht on the French

Riviera, adding little Quantum Realm elements—weird bits of beading and strange lines running across the body."



For the array of Quantum Realm characters, the 160-member costume department did extensive research to bring never-beforeseen ideas to the big screen. Textures, palettes, patterns and sizes were influenced by the research, references and team members' rich imaginations. Characters range from super tall to very small—some are gold, others are transparent, and there is

a group shrouded in red. Faces run the gamut—fringed, masked, covered in fur. Artists and technicians used techniques such as embroidery, knitting, weaving, painting, knifers and boiling to create the desired looks for the film.

Additionally, Sewell collaborated with creatures and prosthetics supervisor Conor O'Sullivan to build fantastical creatures for the Quantum Realm. O'Sullivan and his department created 3D printing molds with fiberglass and plaster, sculpting prosthetic character designs for the creatures. Actors donned prosthetic pieces with curated hair, makeup and costumes, helping to bring the bizarre subatomic world to life. The VFX team was charged with enhancing the looks in post-production.

Some of the characters had body art inspired by cultural details provided by the art department. Sewell, O'Sullivan and their teams painted tattoos for bodies, faces and heads, including a "freedom" illustration for Jentorra's arm in her language.

BUILDING THE QUANTUM REALM

Filmmakers Create Subatomic World

Filmmakers behind "Ant-Man and The Wasp: Quantumania" were among the first to envision the Quantum Realm—a locale that promised to impact the MCU far beyond this film's February 2023 big-screen debut. "I think the Quantum Realm is just as big an idea as any of the other worlds we've explored in the MCU to date," says producer Stephen Broussard. "It's a world into itself,



not unlike Asgard or Wakanda or the world of the mystic arts in 'Doctor Strange.' Getting the chance to establish something that big has been really, really fun—and also a big challenge."

The art department commenced work in July 2020 and almost 50 people worked alongside production designer Will Htay during the busiest periods, from his supervising art director, Nick Gottschalk, through to concept artists, researchers, storyboard artists, art directors, set designers, draughts people and assistants. When Htay came on board, he worked with director Peyton Reed and Broussard to develop the design of the Quantum Realm. "We wanted it to feel huge," says Htay. "We didn't want it to be macro photography; we didn't want it to be too CG heavy. Even though we knew we'd be utilizing VFX

and CGI, we wanted to make it as real and tangible as possible, so that when we go down there with our protagonists, we can touch it and smell it. We want it to feel like it is this real place that's hidden within the multiverse."

Research, references and influences included Sergio Toppi, Tomás Saraceno, Lebbeus Woods, electronic microscopy and subatomic particle theory. Conceptually, Htay designed the Quantum Realm as an infinite canvas of space with interconnecting points and nodes that become worlds and landscapes in themselves with different creatures.



According to Reed, the film sheds light on what Janet Van Dyne really experienced while trapped in the subatomic world within a world. "Was she just wandering aimlessly in this void for 30 years?" asks Reed. "We answer that question big time in this movie: No! She was not wandering aimlessly she had a whole life down there. It was exciting to construct this living, breathing Quantum Realm and talk about the ecosystems and politics, and to make it big and vivid."

Reed credits Htay and his team of artists with bringing different styles and sensibilities to the vast world. "We had everything on the table," says the director. "One of my big influences was just going through old '60s and '70s and '80s science-fiction paperbacks and looking at the covers. There are a whole bunch of artists who created beautiful imagery. Those covers had to pull you into whatever book it was and the artists were all about creating these whacked-out worlds. That imagery really inspired us."

The Quantum Realm co-exists within the multiverse, and not only is it beyond measure, time spent there is unquantifiable, be it hours, days, decades or more, and it can even be instantaneous. Says Htay, "Even though to us and the audience, and to Scott Lang and the family, the Quantum Realm is this vast, unexplored universe in itself, it's also a prison to Kang. I think we wanted



to make it feel like it was this huge, expansive world—worlds within worlds, multiple civilizations, multiple creatures, characters and environments. We only begin to scratch the surface. We only get a glimpse of it because of what happens on our adventure along the way."

"Ant-Man and The Wasp: Quantumania" was based at Pinewood Studios in the UK and filmed during the second half of 2021. The production utilized eight stages, all housing multiple sets across the shoot, totaling 48 sets with a minimum of three turnarounds and a maximum of seven on each stage. This meant there was a constant cycle of sets to be built, shot on, struck and new builds to go into place. The fast turnaround required attention to detail and multiple departments to work in sync.

- A Stage was a bluescreen stage and a number of scenes were filmed on this stage with set pieces, including a large open-topped cockpit set build on an SFX gimbal, which also had LED screens around to give interactive light and movement for Krylar's yacht cockpit lounge scenes.
- Other sets requiring a bluescreen element were an observation deck and a small set build of the top of the Golden Gate Bridge. The VW ID4 vehicle that Scott, Hope and Cassie travel in was shot on a motion base surrounded by LED screens on A Stage. The sculpted landscape exterior of the Quantum Plains was also filmed on this stage, as well as the exterior of Quantum Subatomica using SFX rigs and motion bases.
- B Stage was used for greenscreen work including the flying of Kang's Timesphere, and Janet's Homestead was built on D Stage. Kang's Timesphere was built within this set on an SFX gimbal, which was held in the tank in the stage floor.
- On F Stage was the set build for Hank's old secure room and the Pym basement with a complex ant farm and his other experiments.
- N Stage housed a number of smaller sets across the shoot, from the Pym house dining room, to the City Lights Bookstore, to the San Francisco jail cell, through to the Chronopolis tech chamber.
- The Richard Attenborough Stage housed a number of sets, including the impressive Celestium throne room, pre- and post-destruction, along with the Citadel corridor that was built as part of the same set to allow it all to be used within one shot if required. Following this, the set was struck and sections of the Chronopolis streets were built on this stage, along with D and F Stages, with multiple turnarounds throughout.
- The Roger Moore Stage was used for the pre-building and sculpting for the Axia Restaurant and Quantum Jungle sets, and they were then transferred to the volume stage for filming. The Celestium prison holding cells set and the exterior of the guerrilla village were built on and shot on this stage, along with the exterior Quantum Bluffs.
- A bluescreen was erected on the North backlot for the exterior filming of the Pym house.
- Themes and motifs that can be seen within the sets include circles.

ILM STAGECRAFT VOLUME

Director Peyton Reed was keen to use a new visual effects technology pioneered by Industrial Light & Magic (ILM) known as StageCraft LED volume, which he had utilized for "The Mandalorian" episodes he directed. Stage 4 at Pinewood Studios is a permanent ILM StageCraft volume stage. It is made up of 360-degree LED panels, which offer high resolution and smooth wall-to-ceiling transitions. The images projected onto these panels look photoreal. The parallax stays true and results in the capture of virtual worlds in-camera.

- The Axia restaurant and jetty sets were placed in the volume stage in order to obtain a real in camera view for the restaurant and to benefit from the interactive lighting.
- The volume was used to simulate motion in the screens with an SFX gimbal for the Quantum skies and the Skies of Axia for the flying scenes.

- The exterior of Kang's crash scenes were filmed on this stage, as it gave the opportunity to create a full deep-space environment with a sculpted landscape that continues off into the screens. The crashed Timesphere was placed within the set for one of the scenes.
- The Quantum jungle had sculpted Quantum trees and plants in the set that were then replicated and continued into the screens which then moved in parallax as the camera moved through the set. This is something that would not be possible with a traditional painted backing.

Location filming took place in California and in London.

• The Design Museum in London was selected for its unique architectural look and had never been used for filming purposes previously. The interior scenes for Hope's offices and the exterior of a gala event were filmed at this location.



TUNING IN Composer Christophe Beck Creates Sweeping Score

Christophe Beck, the composer behind the scores for both "Ant-Man" and "Ant-Man and The Wasp," returned to create the score for "Ant-Man and The Wasp: Quantumania." According to director Peyton Reed, who worked with Beck on Reed's first film, "Bring It On," Beck was asked to build an iconic Marvel hero theme for "Ant-Man," which was no small feat. "Chris came up with that

theme and I thought it was fantastic," says Reed. "And now, eight years later, that theme still resonates. I'm really proud of what Chris has done on these movies."

Beck says he was thrilled to reteam with Reed. "That's one of the joys of working with directors repeatedly over time, especially on a continuing franchise," he says. "I've also really enjoyed working more closely with Peyton than ever on this film, and deepening our friendship alongside our collaborative relationship."

Filmmakers endeavored to align the new movie with the "Ant-Man" movies that came before it, and the music plays a huge role in doing just that. "Ant-Man, The Wasp and Hank Pym each have themes that are wellestablished, and they are used liberally in 'Quantumania,'" says Beck. "It was important to Peyton and me to connect this film to the others musically by continuing their thematic



threads. I also continue the use of odd meters that I established in the first two films—phrases and rhythms that use five or seven beats to the bar as opposed to the more common three or four."

While embracing these themes, Reed and Beck also wanted the music to help separate the new adventure from those that came before it. "Quantumania' takes place almost entirely in a separate

universe from our own," says Beck. "Peyton and I worked very hard to make the film and score feel new and different from the previous two 'Ant-Man' installments, while retaining their spirit and what makes the characters lovable and familiar."

Taking the storytelling to subatomic locales called for a special approach to the music. "We were excited about doing this film on an epic scale," says Reed. "Chris just ran with it. He created different sounds within the Quantum Realm."

Indeed. Beck didn't hold back, employing some unusual instrumentation and techniques to capture the bizarre and far-reaching setting. "Peyton and I have always been a fan of strange and experimental sounds created using technology, new and old," Beck says. "We dabbled in it here and there in the previous 'Ant-Man' films, but 'Quantumania' really gave us an opportunity to dive deeper. I dusted off some old synthesizers and took advantage of more recent instruments and went to town! I also used some heavily processed real instruments for a new theme for a particular character—a grossly detuned violin provides a nice juxtaposition between the new and the familiar."

The resulting score was recorded at Abbey Road Studios with an 80-piece orchestra and Tim Davies conducting. Additional recording was done at Synchron Stage Vienna in Austria with additional conducting by Gottfried Rabl. "Chris knocked it out of the park in terms of the score for this movie," says Reed. "He is immensely talented as a composer and I think this was the most fun we've had working together on a movie because we were able to paint on this really large canvas."

ABOUT THE TALENT

PAUL RUDD (Scott Lang/Ant-Man) starred and co-wrote "Ant-Man" and "Ant-Man and The Wasp." The films grossed over \$500 million and \$620 million, respectively, and Rudd was nominated for a Critics' Choice Award and MTV Movie Award for his role in "Ant-Man."

Rudd starred in Jason Reitman's "Ghostbusters: Afterlife," the next chapter in the original "Ghostbusters" universe released by Sony Pictures, which grossed over \$200 million globally. He is set to return for the sequel.

In the Marvel Universe, Rudd was last seen in "Avengers: Endgame," which opened to an unprecedented global debut of \$1.2 billion, becoming the first film in history to surpass \$1 billion during its opening weekend. The film, which was directed by Anthony Russo and Joe Russo, received a Critics Choice Award for best action film and has made more than \$2.7 billion worldwide—becoming the second-highest-grossing film of all time. Additionally, Rudd starred as Ant-Man in Marvel's "Captain America: Civil War," which grossed over \$1 billion worldwide.

Rudd previously starred alongside Will Ferrell, Steve Carell and David Koechner in Adam McKay's "Anchorman: The Legend of Ron Burgundy" and "Anchorman 2: The Legend Continues." "Anchorman 2" grossed more than \$170 million worldwide and received a People's Choice Award nomination and two MTV Movie Award nominations.

Rudd is well known for his roles in Judd Apatow's "This Is 40" and "Knocked Up." "Knocked Up" grossed more than \$300 million worldwide, received a People's Choice Award for favorite movie comedy, a Critics' Choice Award nomination for best comedy movie and was named one of AFI's Top Ten Films of the Year. Additionally, "This Is 40" was nominated for a 2013 Critics' Choice Award for best comedy movie and Rudd was nominated for best actor in a comedy.

Rudd's other film credits include "Role Models" (co-writer), "Our Idiot Brother," "I Love You, Man," "Forgetting Sarah Marshall," "The 40-Year-Old Virgin," "Clueless," "William Shakespeare's Romeo + Juliet," "Wet Hot American Summer," "Wanderlust" (producer), "The Catcher Was a Spy," "Mute," "The Cider House Rules," "The Object of My Affection," "They Came Together," "Prince Avalanche," "Admission," "Dinner for Schmucks," "The Fundamentals of Caring," "How Do You Know," "Monsters vs. Aliens," "The Ten" (producer), "Night at the Museum," "Diggers" and "The Château," among others.

On television, Rudd recently starred opposite Will Ferrell in "The Shrink Next Door," for Apple TV+. Based off the No. 1-podcast of the same name, the dark comedy is inspired by true events that follow the bizarre relationship between a psychiatrist and his longtime patient. Rudd also served as executive producer. Additionally, Rudd starred in the Netflix comedy series, "Living with Yourself," for which he was nominated for a 2020 Golden Globe[®] Award and Critics Choice[®] Award for best actor in a musical or comedy television series. The series was directed by Jonathan Dayton and Valerie Faris.

His other television credits include playing Mike Hannigan on "Friends"; Bobby Newport on "Parks and Recreation," for which he won a 2012 Critics' Choice Award for best guest performer in a comedy; and reprising his role as Andy in Michael Showalter and David Wain's "Wet Hot American Summer: First Day of Camp" and "Wet Hot American Summer: Ten Years Later," along with the original cast for Netflix. Additionally, Rudd was the co-writer and co-creator of the critically acclaimed series "Party Down" on Starz, which will have a limited series revival that Rudd will executive produce alongside Rob Thomas, John Enbom and Dan Etheridge.

Rudd returned to the Broadway stage in 2012 in Craig Wright's "Grace," starring opposite Michael Shannon, Kate Arrington and Edward Asner at the Cort Theatre. "Grace" was nominated for an Outer Critics Circle Award for outstanding new Broadway play, and Rudd was nominated for a Drama League Award for distinguished performance award. His other stage credits include starring opposite Julia Roberts and Bradley Cooper in Richard Greenberg's Broadway production of "Three Days of Rain," Neil LaBute's "Bash" in both New York and Los Angeles, as well as LaBute's "The Shape of Things" in London and New York. Rudd made his West End debut in the London production of Robin Phillips' "Long Day's Journey Into Night" opposite Jessica Lange. Other Broadway credits include Nicholas Hytner's "Twelfth Night" at Lincoln Center Theater with a special performance that aired on PBS' "Great Performances," and in Alfred Uhry's Tony Award® winning play "The Last Night of Ballyhoo."

In January 2004, **EVANGELINE LILLY (Hope Van Dyne/The Wasp)** landed her first speaking role in a television series when she was cast as Kate in ABC's critically acclaimed, worldwide hit drama series "Lost." Created by J.J. Abrams, Damon Lindelof and Jeffrey Lieber, "Lost" won the 2006 Golden Globe for best television drama series, as well as the Screen Actors Guild Award for best ensemble in a drama series. Lilly received a 2007 Golden Globe nomination for best actress in a drama series.

Lilly has starred in Marvel Studios' "Ant-Man," "Ant-Man and The Wasp," and "Avengers: Endgame" as the iconic Super Heroine The Wasp/Hope Van Dyne.

Lilly won best actress at the 2021 AFIN International Film Festival for her performance in "South of Heaven" opposite Jason Sudeikis. She can be seen in the 2021 thriller film "Crisis" alongside Gary

Oldman and Netflix's horror comedy "Little Evil," starring alongside Adam Scott.

Previously, Lilly was seen as Tauriel, one of the lead elves in Peter Jackson's hugely successful prequels to the "Lord of the Rings" trilogy, "The Hobbit: The Desolation of Smaug" and "The Hobbit: The Battle of the Five Armies."

Lilly also starred as Bailey Tallet in the family action drama "Real Steel" alongside Hugh Jackman in 2011.

Lilly co-starred with John Malkovich in the 2008 Toronto Film Festival selection "Afterwards," as well as appeared in a supporting role in the six-time Academy Award winning film "The Hurt Locker," in which she played the ex-wife of Jeremy Renner's character.

Lilly is also the creator of "The Squickerwonkers" series, an engaging and mischievous cautionary tale for young readers. "The Squickerwonkers: The Prequel" and "The Squickerwonkers – Act 1: The Demise of Selma the Spoiled" are currently available wherever books and audiobooks are sold. "The Squickerwonkers" was first published on November 18, 2014.

Lilly is wholeheartedly devoted to philanthropy, traveling and gaining higher knowledge of various cultures around the world. She is a loyal and dedicated supporter of the Sierra Club and the Natural Resources Defense Council. She has been a volunteer for children's projects since age 14, and during college Lilly founded and ran a world development and human rights committee.

Fluent in French, Lilly loves reading, writing, painting, music, nature, staying active, learning and travel.

An actor with more than 40 years of experience in theater, film and television, **MICHAEL DOUGLAS (Dr. Hank Pym)** branched out into independent feature production in 1975 with the Academy Award[®]– winning "One Flew Over the Cuckoo's Nest." Since then, as an actor-producer, he has shown an uncanny knack for choosing projects that reflect changing trends and public concerns. Over the years, he has been involved in such controversial and politically influential pictures as "The China Syndrome" and "Traffic," and such popular films as "Fatal Attraction" and "Romancing the Stone."

The son of Kirk and Diana Douglas, Michael Douglas was born in New Jersey. He attended the elite preparatory Choate School and spent his summers with his father on movie sets. After receiving his Bachelor of Arts from U.C. Santa Barbara in 1968, Douglas moved to New York City to continue his dramatic training, studying at the American Place Theatre with Wynn Handman, and at the Neighborhood Playhouse, where he appeared in workshop productions of Pirandello's "Six Characters in Search of an Author" and Thornton Wilder's "Happy Journey."

A few months after arriving in New York, Douglas got his first big break when he was cast as a freespirited scientist who compromises his liberal views to accept a lucrative job with a high-tech chemical corporation in the CBS Playhouse production of "The Experiment," which was televised nationwide on Feb. 25, 1969. Douglas' convincing portrayal won him the leading role in "Hail, Hero!" which was the initial project of CBS's newly organized theatrical film production company, Cinema Center Films. His second feature "Adam at 6 A.M." (1970) concerned a young man's search for his roots. Douglas next appeared in the film version of "Summertree" (1971), produced by Kirk Douglas' Bryna Company, and then "Napoleon and Samantha" (1972), a sentimental children's melodrama from The Walt Disney Studios. In between film assignments, Douglas worked in summer stock and off-Broadway productions, and in episodes of the popular series "Medical Center" and "The FBI."

He was soon signed for the police series "The Streets of San Francisco," which premiered September 1972 and became one of ABC's highest-rated primetime programs in the mid-1970s. Douglas earned three successive Emmy Award nominations for his performance, and directed two episodes of the series.

During breaks in the shooting schedule for "The Streets of San Francisco," Douglas devoted most of his time to his film production company, Big Stick Productions, Ltd. Long interested in producing a film version of Ken Kesey's novel "One Flew Over the Cuckoo's Nest," Douglas purchased the movie rights from his father and formed a partnership with Saul Zaentz. A critical and commercial success, "One Flew Over the Cuckoo's Nest" won five Academy Awards[®] for best picture, best director, best adapted screenplay, best actor and best actress, and went on to gross more than \$180 million at the box office. Douglas suddenly found himself in demand as an independent producer. One of the many scripts submitted to him for consideration was "The China Syndrome," Mike Gray's chilling account of the attempted cover-up of an accident at a nuclear power plant. Douglas teamed up with Jane Fonda and her own motion picture production company, IPC Films, to produce. Starring Fonda, Douglas and Jack Lemmon, the film received Academy Award nominations for Lemmon and Fonda, as well as for best original screenplay. The National Board of Review named the film one of the best films of the year.

Douglas resumed his acting career in the late 1970s with the medical thriller "Coma" (1978), "It's My Turn" (1981), "The Star Chamber" (1983), "Running" (1979), and as Zach the dictatorial director/ choreographer in the screen version of "A Chorus Line" (1985). He doubled as actor-producer in 1984 with the release of the tongue-in-cheek romantic fantasy "Romancing the Stone," which was a resounding hit and grossed more than \$100 million. Douglas was named producer of the year in 1984 by the National Association of Theater Owners. Douglas, Kathleen Turner and Danny DeVito reteamed in 1985 for the successful sequel "The Jewel of the Nile."

It took Douglas nearly two years to convince Columbia Pictures to approve "Starman," which was the sleeper hit of the 1984 Christmas season and earned an Oscar nomination for best actor for Jeff Bridges. In 1986, Douglas created a television series based on the film for ABC which starred Robert Hays.

Douglas returned to the screen in 1987, appearing in two of the year's biggest hits. He starred opposite Glenn Close in the phenomenally successful psychological thriller "Fatal Attraction," which was followed by Douglas' performance as ruthless corporate raider Gordon Gekko in Oliver Stone's "Wall Street," earning him the Academy Award[®] for best actor.

Douglas next starred in "Black Rain" (1989) and then teamed up again with Kathleen Turner and Danny DeVito in the black comedy "The War of the Roses," which was released in 1989.

In 1988, Douglas formed Stonebridge Entertainment, Inc., which produced "Flatliners" (1990) and "Radio Flyer" (1992). He followed with "Shining Through," opposite Melanie Griffith. In 1992, he starred with Sharon Stone in the erotic thriller "Basic Instinct," one of the year's top-grossing films.

The next decade saw him both acting and producing: "Falling Down," "Made in America," "Disclosure," "The American President," and in 1997, "The Game." Douglas formed Douglas/Reuther Productions

with partner Steven Reuther in May 1994. The company, under the banner of Constellation Films, produced "The Ghost and the Darkness," "The Rainmaker" and "Face/Off"—1997's major hits. In 1998, Douglas starred in the mystery thriller "A Perfect Murder" and formed a new production company.

The year 2000 was a milestone year with "Wonder Boys" opening in February 2000 to much critical acclaim. Douglas was nominated for a Golden Globe[®] and a BAFTA Film Award for his performance. "Traffic" was released by USA Films on December 22, 2000, in New York and Los Angeles, and went nationwide in January 2001. It was named best picture by the New York Film Critics Circle, won best ensemble cast at the SAG Awards[®], won four Academy Awards[®] (best adapted screenplay, best editing, best director and best supporting actor for Benicio Del Toro) and has been recognized on over 175 top-10 lists.

In 2001, Douglas produced and played a small role in USA Films' outrageous comedy "One Night at McCool's." Also in 2001, Douglas starred in "Don't Say a Word." In 2002, Douglas appeared in a guest role on the hit NBC comedy "Will & Grace" and received an Emmy[®] nomination for his performance.

In 2004, Douglas, along with his father, Kirk, filmed the intimate HBO documentary "A Father, a Son... Once Upon a Time in Hollywood." The documentary examines the professional and personal lives of both men, and the impacts they each made on the motion picture industry.

In rapid succession came "The Sentinel," "You, Me and Dupree," "King of California," "Beyond a Reasonable Doubt" and "Ghosts of Girlfriends Past." He followed with the drama "Solitary Man," and in fall 2010, starred in "Wall Street: Money Never Sleeps," reprising his Oscar[®]—winning role as Gordon Gekko, and once again was nominated for a Golden Globe[®] for his performance.

"Behind the Candelabra," based on the life of Liberace and his partner, Scott Thorson, premiered on HBO in May 2013. Douglas won an Emmy[®], a Golden Globe[®] and a SAG Award[®] as best actor in a television movie or miniseries for his performance as the famed entertainer. He followed with the buddy comedy "Last Vegas" and the romantic comedy "And So It Goes."

Douglas starred in and produced the thriller "Beyond the Reach" in 2014. He portrayed Dr. Hank Pym in Marvel Studios' "Ant-Man" opposite Paul Rudd in 2015, reprising the role in 2018's "Ant-Man and The Wasp" and "Avengers: Infinity War." Douglas starred in the spy thriller "Unlocked" in 2017.

He also starred opposite Alan Arkin in the Netflix comedy series "The Kominsky Method." Douglas won a Golden Globe as best actor for his portrayal of a Hollywood acting coach, and was nominated for Emmys and SAG Awards as best actor in a comedy series for all three seasons. He also created the voice for Guy in the famous Dr. Seuss children's classic "Green Eggs and Ham," an animated series for Netflix.

In 1998 Douglas was made a United Nations Messenger of Peace by Kofi Annan. His main concentrations are nuclear non-proliferation and the control of small arms.

Douglas was recipient of the 2009 AFI Life Achievement Award, as well as the Producers Guild Award that year. In spring 2010, he received the New York Film Society's Charlie Chaplin Award.

In 2011, Douglas was awarded the Chevalier des Arts et des Lettres in France by Frédéric Mitterrand and was recently awarded a second French César for Career Achievement, being the only American to be given this honor twice. Douglas has hosted 12 years of Michael Douglas and Friends Celebrity Golf Tournament, which has raised over \$13 million for the Motion Picture & Television Fund. Douglas is very passionate about the organization, and for each tournament he asks his fellow actors and actresses to come out and show that "we are an industry that takes care of our own."

Douglas is married to Catherine Zeta-Jones. The couple has one son, Dylan, and one daughter, Carys. Douglas also has one son, Cameron, from a previous marriage.

MICHELLE PFEIFFER (Janet Van Dyne), three-time Academy Award nominee, Golden Globe-winner, and Emmy nominee, has captivated film audiences with her stunning beauty and compelling performances for over three decades. The celebrated actress first came to prominence in the cult classic "Scarface" in 1983 in the role of Elvira Hancock, the wife of Al Pacino's Tony Montana. The Universal Pictures American crime drama, directed by Brian De Palma and written by Oliver Stone, has become a cultural icon, and was named by the American Film Institute in June 2008 as one of the 10 greatest gangster films of all time.

Recently, Pfeiffer starred as Betty Ford in the Showtime anthology series "The First Lady," which premiered April 2022. With an all-star ensemble including Kiefer Sutherland Viola Davis, and Gillian Anderson, critics have highlighted Pfeiffer's performance as a standout. USA Today called her "the real star" with an "elevating performance" and NPR said she "is amazing as Betty Ford, simmering volcanically throughout..."

Most recently on the big screen, Pfeiffer starred in "French Exit" opposite Lucas Hedges for Sony Picture Classics, in which she plays a sharp-tongued Manhattan socialite who finds herself facing financial ruin in Paris. Critics have called her performance "sublime in every way" and "electrifying." In 2019, Pfeiffer was seen starring in Disney's fantasy film "Maleficent: Mistress of Evil" as the formidable Queen Ingrith, opposite Angelina Jolie and Elle Fanning. In 2018, Pfeiffer co-starred in the Marvel franchise "Ant-Man and The Wasp" alongside Michael Douglas, Paul Rudd and Evangeline Lilly.

Pfeiffer received her first Academy Award nomination in 1989 in the best actress in a supporting role category for her role as the long-suffering Madame de Tourvel in "Dangerous Liaisons." In 1990, she won a Golden Globe for best performance by an actress in a motion picture, and received her second Academy Award nomination as best actress in a leading role for her performance as the sexy chanteuse Susie Diamond in "The Fabulous Baker Boys." Pfeiffer earned her third Academy Award nomination in 1993 for best actress in a leading role for her performance as Dallas housewife Lurene Hallett in "Love Field." In 2017, Pfeiffer starred in HBO's drama "The Wizard of Lies" for which she garnered Emmy, Golden Globe, and Critics' Choice nominations for best supporting actress in a limited series or movie made for television. The film also won a Satellite Award and received a nomination for a Primetime Emmy Award for outstanding television movie. Pfeiffer has also been honored with a BAFTA Award, Los Angeles Film Critics Association Award, National Board of Review Best Actress Award and New York Film Critics Circle Award, and has also received a Screen Actors Guild Award nomination and five additional Golden Globe Award nominations for her performances in "The Age of Innocence," "Love Field," "Frankie and Johnny," "The Russia House" and "Married to the Mob."

In 2017 Pfeiffer captivated audiences with her performance in HBO's television movie "The Wizard of Lies" alongside Robert De Niro. The duo plays Ruth and Bernie Madoff during the 2008-2009 downfall of Madoff's infamous Ponzi scheme. The television drama is based on the non-fiction novel

by the same name written by Diana B. Henriques. Later that year, Pfeiffer was seen in 20th Century Fox's adaptation of "Murder on the Orient Express" alongside Johnny Depp, Judi Dench and Daisy Ridley. Kenneth Branagh both directed and starred in the remake playing Agatha Christie's famed detective Hercule Poirot. Adapted from Christie's beloved 1934 novel, the film follows Poirot as he tries to identify a murder aboard the legendary train. Pfeiffer plays Mrs. Hubbard, a glamorous and opinionated passenger with a secret. Additionally, in 2017 Pfeiffer was also seen starring alongside Ed Harris, Jennifer Lawrence and Javier Bardem in Darren Aronofsky's American psychological horror film "Mother!" The plot follows a young woman whose seemingly tranquil life with her husband at their country home is disrupted by the arrival of a mysterious couple (Pfeiffer and Harris). The film was released by Paramount Pictures in October 2017.

In 2013, Pfeiffer starred alongside Robert De Niro, Tommy Lee Jones and Dianna Agron in Luc Besson's 2013 film "The Family." The story focuses on the Manzoni family, a notorious mafia clan who is relocated to Normandy, France, under the Witness Protection Program. Pfeiffer stars as Maggie Blake, the matriarch of the family.

Pfeiffer was seen in "Dark Shadows," a film that reunited her with Tim Burton in his big- screen take on the 1960s gothic vampire television series. The film centers on a self-loathing vampire, Barnabas Collins, played by Johnny Depp, who is living in a manor in Collinsport, Maine, and is searching for his lost love. Pfeiffer stars as Elizabeth Collins Stoddard, the reclusive matriarch of the Collins family who runs the Maine town. The film also stars Helena Bonham Carter and Eva Green.

Additionally, Pfeiffer was seen in DreamWorks Pictures' "People Like Us," in which she starred opposite Chris Pine, Olivia Wilde and Elizabeth Banks. The film follows a businessman, Sam (Pine), who returns home after his estranged father's sudden death, only to uncover a devastating family secret, which sends him on an unexpected journey of self-discovery. Pfeiffer appears as Lillian, Sam's' widowed mother.

In 2011, Pfeiffer was seen in New Line Cinema's "New Year's Eve." Directed by Garry Marshall, the ensemble romantic comedy also starred Robert De Niro, Hilary Swank, Sarah Jessica Parker and Ashton Kutcher, among others. The film tells intertwining stories of a group of New Yorkers as they navigate their way through romance over the course of New Year's Eve. Pfeiffer appears as Ingrid, a frustrated executive secretary who decides to tackle her unfulfilled resolutions.

In 2009, Pfeiffer starred in Miramax Films' "Chéri." Set in the luxurious 1900s Belle Époque Paris, "Chéri" is the story of a love affair between a beautiful retired courtesan, Léa de Lonval (Pfeiffer), and 'Chéri,' a young man played by Rupert Friend. The film is directed by Stephen Frears and is based on the 1920 novel of the same name by French author Colette.

In 2007, Pfeiffer appeared in the Golden Globe-nominated global sensation "Hairspray" opposite John Travolta, Christopher Walken, Queen Latifah and Zac Efron. The New Line Cinema film, an adaptation of Broadway's 2003 Tony[®]-Award winner for best musical, became the third musical film in history to cross \$200 million internationally. That same year, Pfeiffer also appeared as evil witch Lamia in Paramount Pictures' fantasy epic "Stardust," directed by Matthew Vaughn. The film, a fairy tale set in ancient England, was adapted from Neil Gaiman's novel. The cast includes Claire Danes, Robert De Niro, Ian McKellen, Rupert Everett and Sienna Miller.

In 2003, Pfeiffer lent her voice to DreamWorks' animated feature "Sinbad: Legend of the Seven Seas"

with Brad Pitt, Catherine Zeta-Jones and Joseph Fiennes. She received a Screen Actors Guild nomination in 2002 for her role as the murderous mother Ingrid Magnusson in Warner Bros.' "White Oleander." In 2001, she starred in the critically acclaimed "I Am Sam," opposite Sean Penn. In 2000, she starred in the summer blockbuster "What Lies Beneath," opposite Harrison Ford.

Pfeiffer's film credits also include "The Story of Us," "A Midsummer Night's Dream," "The Deep End of the Ocean," "The Prince of Egypt," "One Fine Day," "To Gillian on Her 37th Birthday," "Up Close & Personal," "Dangerous Minds," "Wolf," "Batman Returns," "The Witches of Eastwick," "Tequila Sunrise," Sweet Liberty" and "Ladyhawke."

Emmy, Critics' Choice, Independent Spirit and Gotham Award nominee **JONATHAN MAJORS (Kang the Conqueror)** cemented himself as the Hollywood actor to watch following his on-screen debut in 2017's ABC miniseries "When We Rise."

The actor can be seen starring in Black Label Media's "Devotion," directed by J.D. Dillard. The screenplay is based on Adam Makos' bestselling book "Devotion: An Epic Story of Heroism, Friendship, and Sacrifice" and follows the true story of two elite U.S. Navy fighter pilots during the Korean War. Majors plays Jesse Brown, the first Black man in U.S. Naval history to become a fighter pilot. The film premiered at TIFF and was released in theaters on November 23, 2022.

Following his surprise appearance in the penultimate episode of the hit Marvel series "Loki," Majors will soon be seen as Kang the Conqueror in "Ant-Man and The Wasp: Quantumania." Majors made a huge splash at San Diego Comic-Con 2022 where Marvel Studios announced that Majors' highly anticipated Kang will surely be expanded on in "Avengers: The Kang Dynasty," which will be released on May 2, 2025.

Majors will also star in "Creed III," slated for theatrical release on March 3, 2023, as a mysterious villain set to face off against Michael B. Jordan's Adonis Creed. The film will follow the continuing story of Adonis Creed, the son of Apollo Creed, as he deals with the legacy of his legendary father. The actor most recently wrapped production on "Magazine Dreams," written and directed by Elijah Bynum. Majors serves as an executive producer on the project under his Tall Street Productions. "Magazine Dreams" is the story of a Black amateur bodybuilder who struggles to find human connection in this exploration of celebrity and violence. Majors is also set to star in and produce "The Man in My Basement," the film adaptation of the Walter Mosley novel. Protagonist Pictures will fully finance and cameras are expected to roll later this year.

Majors can be seen starring in Jeymes Samuel's directorial debut as outlaw Nat Love in "The Harder They Fall," opposite Idris Elba. Produced by Jay-Z, James Lassiter, Lawrence Bender and Samuel, the film opened the London Film Festival and premiered on Netflix on Nov. 3, 2021. "The Harder They Fall" follows Nat Love who discovers that the man who killed his parents two decades ago is being released from prison. The character then reunites with his gang to track his enemy down and seek revenge.

In 2020, Majors starred in HBO's straight-to-series drama "Lovecraft Country," executive produced by showrunner Misha Green along with J.J. Abrams and Jordan Peele. The series, which broke digital records for the network, follows Majors' character as he road-trips across 1950's Jim Crow America. Majors' portrayal of Atticus Freeman earned him his first Emmy nomination, and the show was nominated for outstanding drama series. The actor's performance was also recognized with Critics'

Choice and NAACP Image Award nominations, and the series was nominated for Golden Globe and SAG awards for best television series, drama and outstanding performance by an ensemble in a drama series, respectively.

Majors can be seen in Spike Lee's epic war drama "Da 5 Bloods." Filmed in Southeast Asia, the film stars Majors as the son of one of the five bloods and joins them in Vietnam on their search for their gold fortune and fallen squad leader. The film also stars Delroy Lindo, Chadwick Boseman and Jean Reno, and it became available on Netflix worldwide in June 2020. The movie was named one of AFI's Top Films of the Year in addition to winning NBR's best film and best ensemble categories. The cast also received a SAG Award nomination for outstanding performance by a cast in a motion picture. Majors can also recently be seen in "Gully." Directed by Nabil Elderkin and written by Marcus Guillory, the explosive and timely story features three boyhood friends surviving an upbringing in LA's roughest neighborhoods. Also starring Amber Heard, Robin Givens and Terrence Howard, "Gully" premiered at the Tribeca Film Festival in April 2019.

Majors is in talks to star as the titular character in Spike Lee and Stefon Bristol's Gordon Hemingway & the Realm of Cthulhu for Netflix. Based on an original screenplay by Hank Woon, with rewrites by Fredrica Bailey, the film is set in East Africa in 1928 and centers on Hemingway, a roguish Black American gunslinger, who teams up with the elite warrior Princess Zenebe of Ethiopia to rescue the country's kidnapped regent from an ancient evil.

In February 2019, Majors received rave reviews for his performance in Joe Talbot's "The Last Black Man in San Francisco" following its premiere at the Sundance Film Festival. The movie marked Majors' first leading role and was released on June 7, 2019. For his role as Montgomery Allen, Majors was nominated for a Gotham Award in the category of breakthrough actor and an Independent Spirit Award for best supporting male. The Hollywood Reporter also went on to name him as one of Hollywood's rising young stars in its 2019 Next Gen Talent feature.

Also in 2019, Majors was seen in Max Winkler's "Jungleland" where he appeared alongside Charlie Hunnam, Jessica Barden and Jack O'Connell. The movie premiered at the 2019 Toronto International Film Festival and was released in theaters November 6, 2020. That same year the actor was seen in Focus Features' sci-fi thriller "Captive State" directed by Rupert Wyatt.

In 2018, Majors starred in Sony Pictures' "White Boy Rick" alongside Matthew McConaughey and Jennifer Jason Leigh, directed by Yann Demange. In 2017, Majors appeared in Scott Cooper's American Western film "Hostiles" opposite Christian Bale and Rosamund Pike.

Majors serves on the board of directors of The Gotham Film & Media Institute. He graduated from the Yale School of Drama with an MFA in acting and was a recipient of the Lloyd Richards Scholarship and the Jerome L. Green Scholarship. A native of Dallas, Texas, and graduate of North Carolina School of the Arts, Majors' extensive stage credits include productions of "Henry V," "A Raisin in the Sun," "The Tempest" and several plays by August Wilson, including "Fences" (director, Kenny Leon) and "Ma Rainey's Black Bottom" (director, Ruben Santiago-Hudson), both at The Greene Space. Majors is the winner of the 2015 National Society of Arts and Letters (NSAL) National Drama Competition.

KATHRYN NEWTON (Cassie Lang) will next be seen as the lead in Focus Features' "Lisa Frankenstein," opposite Cole Sprouse. She will also be seen as the lead of Amazon's "The Map of Tiny Perfect Things."

Last fall, Newton starred opposite Vince Vaughn in Universal's highly anticipated horror-comedy "Freaky," in which she starred as a high schooler who switches bodies with the local serial killer, played by Vaughn. Previously, Newton starred in "Pokémon: Detective Pikachu" for Legendary, Netflix's "The Society" and "Blockers" for Universal, which was the highest-earning R-rated comedy of 2018. Newton worked with Jean-Marc Vallée and Andrea Arnold in "Big Little Lies," Martin McDonagh in "Three Billboards Outside Ebbing, Missouri," Peter Hedges in "Ben is Back" and Greta Gerwig in "Lady Bird."

ABOUT THE FILMMAKERS

PEYTON REED (Directed by) is a director and producer most widely known for his work in the Marvel Cinematic Universe as the helmer of the trio of "Ant-Man" films. Reed's filmography is vast and varied, spanning television, film cult classics, and studio tentpoles – all marked by his signature wry wit and a keen sense of visual invention. Reed's films have amassed over \$1.5 billion dollars at the box office worldwide.

Reed first garnered attention via his feature-film debut and cult hit, "Bring It On" (Universal) starring Kirsten Dunst and Gabrielle Union. The seminal teen comedy opened at No. 1 with a \$17.4 million weekend, staying in the top 10 for seven consecutive weeks. The film went on to sell over 5 million copies on DVD, spawning a successful franchise of five sequels and a Broadway musical co-written by "Hamilton" creator Lin-Manuel Miranda. The film celebrated its 20th anniversary in 2020 and earned "a complete history and examination of the film's legacy" in a book by writer Kase Wickman, published in December 2022.

Reed followed "Bring It On" with a slew of successful comedies in the 2000s starring notable actors such as Renée Zellweger and Ewan McGregor in 2003's "Down with Love" (20th Century Fox), Jennifer Aniston and Vince Vaughn in 2006's "The Break-Up" (Universal), and Jim Carrey and Zooey Deschanel in 2008's "Yes Man" (Warner Bros.).

Reed went on to direct Marvel Studios' "Ant-Man" (2015) and "Ant-Man and The Wasp" (2018) starring Paul Rudd, Evangeline Lilly, and Michael Douglas. Both films were critically acclaimed and box-office hits, grossing \$519.3 million and \$623.1 million, respectively.

More recently, Reed brought his talents to Disney+'s highly acclaimed Star Wars series, "The Mandalorian," directing two episodes of its long-anticipated season 2 return. His season 2 finale "The Rescue," featuring the return of Luke Skywalker, became the most-watched episode in Disney+ history

Upcoming, "Ant-Man and The Wasp: Quantumania," the first film of Phase 5 of the MCU, follows Scott Lang (Rudd) and Hope Van Dyne (Lilly) while they explore the Quantum Realm and face Kang the Conqueror (Jonathan Majors), the new time-traveling, multiversal villain.

Reed resides with his wife and children in Los Angeles, Calif.

JEFF LOVENESS (Written by) is a writer, actor and director from Montgomery Creek, Calif.

Loveness started out in comedy making a Wes Anderson Spider-Man parody on YouTube with his friends in college. The video caught the attention of Jimmy Kimmel and landed him a job at "Jimmy

Kimmel Live!" where he wrote and performed in sketches, acting alongside stars like Harrison Ford, Liam Neeson and Kristen Wiig, and winning a WGA Award in 2016 for his work on "10th Annual Afterthe-Oscars Special."

His recent work includes "Rick and Morty," where he wrote six episodes and earned a Primetime Emmy Award for "The Vat of Acid Episode." He has written for shows like "Miracle Workers" and "Corporate." He has also written comedy for the Emmys, the Oscars, the White House Correspondents' Dinner, the New Yorker, and the Onion News Network.

He has written for Marvel Comics for characters like Spider-Man, Groot, Nova, Venom, The X-Men, The Silver Surfer, Captain America and Iron Man. He has also written Superman, The Justice League, Wonder Woman, Shazam and Batman for DC Comics, as well as three original graphic novels with Aftershock and Boom Studios—"Judas," "World Reader" and "Strange Skies Over East Berlin."

KEVIN FEIGE, p.g.a. (Produced by), producer and president of Marvel Studios, and chief creative officer, Marvel, is the driving creative force behind several billion-dollar franchises and an unprecedented number of blockbuster feature films and series, all connected within the Marvel Cinematic Universe (MCU).

A hands-on producer, Feige oversees Marvel Studios' feature-film productions, with 30 film releases that have all opened No. 1 at the box office and collectively grossed more than \$28 billion globally. Ten films from the MCU have grossed more than \$1 billion worldwide, and two films—"Avengers: Endgame" and "Avengers: Infinity War"—have each grossed more than \$2 billion, with "Endgame" being the fastest film in cinematic history to reach the milestone.

The Marvel Cinematic Universe is currently the highest-grossing film franchise of all time, and Feige is building on that success with a host of new series for Disney+. Since 2021, Marvel Studios has released several shows, including the Emmy Award-winning "WandaVision" and "What If...?," as well as the critically acclaimed series "Loki" and "Ms. Marvel."

Now in Phase 5 of the MCU, 2023 big-screen feature films include "Ant-Man and The Wasp: Quantumania," "Guardians of the Galaxy Vol. 3" and "The Marvels," as well as Disney+ streaming series "Secret Invasion" and the second season of "Loki."

An Academy Award[®] nominee for 2018's "Black Panther," Feige was honored with the 2019 David O. Selznick Achievement Award from the Producers Guild of America, as well as the Albert R. Broccoli Britannia Award for Worldwide Contribution to Entertainment from the British Academy Film Awards (BAFTA).

Feige is a graduate of the University of Southern California, School of Cinematic Arts, and currently sits on the school's Board of Councilors.

STEPHEN BROUSSARD, p.g.a. (Produced by) is a production and development executive at Marvel Studios and a founding member of Marvel Studios' Parliament. Alongside his colleagues, he is responsible for creative oversight of the studio's feature film and streaming slate, determining the future of the Marvel Cinematic Universe and its interconnected storytelling. He most recently served

as executive producer on the Disney+ series "Loki" and "Marvel Studios Special Presentation: Werewolf by Night."

Prior to that he was producer on Marvel Studios' "Ant-Man and The Wasp" and executive producer on Marvel Studios' "Doctor Strange" and "Iron Man 3." Broussard was co-producer on Marvel Studios' "Captain America: The First Avenger" and associate producer on "The Incredible Hulk."

Since joining Marvel in 2004, Broussard has been part of the team that helped usher in a new era of filmmaking at Marvel Studios whereby Marvel began to independently produce films, the first of which was the blockbuster "Iron Man" in 2008.

Broussard attended Florida State University's graduate film school. While there, he produced a short film that would go on to win a Student Academy Award[®]. In 2011, Broussard was named one of "Hollywood's New Leaders" by Variety.

LOUIS D'ESPOSITO (Executive Producer) is co-president of Marvel Studios and an executive producer on all projects released by the studio. D'Esposito balances running the studio with overseeing each project from its development stage to distribution, working closely with talent both in front of and behind the camera to produce feature films and series for the Marvel Cinematic Universe.

During his tenure, D'Esposito has helped to build Marvel Studios into a theatrical box-office powerhouse with 30 films to date that have grossed over \$28 billion at the worldwide box office. Ten films from Marvel Studios have crossed the billion-dollar mark and two films, "Avengers: Endgame" and "Avengers: Infinity War," surpassed \$2 billion. Half of the top 10 highest-grossing domestic releases of all time were released by Marvel Studios.

D'Esposito has also been instrumental in bringing the Marvel Cinematic Universe to Disney+ with a slate of live-action animated series including "Loki," "What If...?," and the Emmy® Award-winning "WandaVision," among several others.

D'Esposito previously directed the Marvel One-Shot "Item 47," and the Marvel One-Shot "Agent Carter," starring Hayley Atwell, which led to development of the ABC Television series "Marvel's Agent Carter."

Prior to joining Marvel Studios in 2006, D'Esposito was a producer whose credits include the 2006 hit film "The Pursuit of Happyness," starring Will Smith; "Zathura: A Space Adventure"; and the 2003 hit "S.W.A.T.," starring Samuel L. Jackson and Colin Farrell.

A native of Buenos Aires, **VICTORIA ALONSO (Executive Producer)** moved to the U.S. on her own at the age of 19. She worked her way up through the industry, beginning as a PA before working at the VFX powerhouse Digital Domain. She served as VFX producer on several films, including Ridley Scott's "Kingdom of Heaven," Tim Burton's "Big Fish," Andrew Adamson's "Shrek" and Marvel's "Iron Man." She won the Visual Effects Society (VES) Award for outstanding supporting visual effects/motion picture for "Kingdom of Heaven," with two additional shared nominations (best single visual effects, outstanding visual effects/effects driven motion picture) for "Iron Man." Alonso joined Marvel Studios as the company's executive vice president of visual effects and postproduction, doubling as co-producer on "Iron Man," a role she reprised on "Iron Man 2," "Thor" and "Captain America: The First Avenger." In 2011, she was upped to executive producer on the blockbuster hit "Marvel's The Avengers," a role she has maintained on all Marvel Studios' film releases since then. She is also an executive producer on Marvel Studios' series for Disney+. In addition to her role as producer, Alonso serves as the studio's president, physical and post-production, visual effects, and animation production.

Victoria Alonso has become an important voice in Hollywood as a producer, a Latina and a senior female executive. She was honored with the Visionary Award at the 2021 Outfest Legacy Awards. For the last three years, she has been named one of People en Español Magazine's top "Poderosa" Most Influential Hispanic Women. On multiple occasions, she has been named to Variety's Power of Women L.A. Impact Report and The Hollywood Reporter's Women in Entertainment Power 100.

Alonso was honored in 2015 with the Muse Award for outstanding vision and achievement from the New York Women in Film & Television. She was also the first woman to be presented with the Harold Lloyd Award from the Advanced Imaging Society, which is given to a filmmaker who has created a body of work and specific achievements in 3D that advanced the motion picture art form. In 2017, she was the first woman to be honored with the Visionary Award at the 15th Annual VES Awards for her advancement of unforgettable storytelling through visual effects.

She sits on the Board of Directors for the Geffen Playhouse.

Most recently, Alonso produced the Golden Globe-winning and Academy Award-nominated film "Argentina, 1985."

KEVIN DE LA NOY (Executive Producer) served as an executive producer on Marvel Studios' "Ant-Man and The Wasp: Quantumania", and prior to that, on "Eternals," directed by Chloé Zhao and starring Gemma Chan, Richard Madden, Angelina Jolie and Salma Hayek. He produced on the global blockbuster "Aladdin" with Guy Ritchie and Will Smith, "Now You See Me 2," directed by John M. Chu which starred Jesse Eisenberg Michael Caine, Morgan Freeman, Mark Ruffalo, Woody Harrelson and Daniel Radcliffe. Other executive producer credits include Christopher Nolan's "The Dark Knight Rises" and "The Dark Knight," as well as "Clash of the Titans" and "Wrath of the Titans."

De la Noy executive produced "Blood Diamond," starring Leonardo DiCaprio, Jennifer Connelly and Djimon Hounsou for director Edward Zwick, having previously collaborated with Zwick as the unit production manager on "The Last Samurai." He co-produced Michael Mann's biographical crime drama "Public Enemies," which starred Johnny Depp as legendary outlaw John Dillinger, as well as Richard Donner's sci-fi thriller "Timeline," and was an associate producer on Steven Spielberg's award-winning World War II drama, "Saving Private Ryan."

Additional credits include unit production manager on such hits as "Ali," "Titanic," "Braveheart," "Mission: Impossible" and "Mission: Impossible II"; production supervisor on "The Power of One"; and location manager on "The Ghost and the Darkness," "Black Beauty," "The Secret Garden" and "1492: Conquest of Paradise."

De la Noy has also served as assistant director on a number of features.

BILL POPE (Director of Photography) served as director of photography on Marvel Studios' 2021 feature "Shang-Chi and The Legend of The Ten Rings," directed by Destin Daniel Cretton.

Pope has had working relationships with several visionary directors. He shot three films for Edgar Wright: "Scott Pilgrim vs. the World," "The World's End" and "Baby Driver"; four films for the Wachowskis: "Bound" and "The Matrix" trilogy; and four films for Sam Raimi: "Darkman," "Army of Darkness," "Spider-Man 2" and "Spider-Man 3."

Pope was nominated for a BAFTA for his work on "The Matrix." His other films as DP include "Clueless," "Team America: World Police," and the upcoming "Unfrosted," directed by Jerry Seinfeld.

Pope began his career in music videos, collaborating with artists including Sting, Peter Gabriel, The Replacements, Metallica, Chris Isaak, The Bangles and more recently, "Drake."

WILL HTAY (Production Designer) was born and raised in London and lived in Bangkok for a while. A degree from Wimbledon School of Art in theatre & film was followed by a spell at the Royal College of Art.

The first 15 years of Htay's career was spent mainly designing music videos and commercials which took Htay all over the world.

The past 10 years has seen Htay also contribute to numerous films and long-form projects as a concept designer, including "World War Z," "Jack the Giant Slayer," "The Edge of Tomorrow," "Jupiter Ascending," "The Man from U.N.C.L.E.," "Star Wars: Episode VII" (gaining an Art Directors Guild nomination), "Rogue One: A Star Wars Story" (gaining an ADG nomination), and "Solo: A Star Wars Story."

Htay also worked on "No Time to Die" as a concept designer gaining an ADG Award win and development for the Disney+ series "Star Wars: Obi-Wan Kenobi," and more recently as senior concept designer for "Andor."

Htay has been in development production designing a new project with Taika Waititi and Lucasfilm Ltd.

As well as developing world building live and scripted ideas, Htay is also developing mixed reality/XR projects.

ADAM GERSTEL (Edited by) is an Emmy-nominated editor of "The Mandalorian," "The Lion King," "The Jungle Book" and "Transformers: The Last Knight."

Coming from a VFX background, Gerstel worked as VFX editor and previs editor on "The Aviator," "The Departed," "Shutter Island," "Star Trek: Into Darkness," "Real Steel," "The Good Shepherd" and the Rolling Stones documentary "Shine a Light," as well as part of the virtual production development team for "Avatar."

LAURA JENNINGS (Edited by) is a British film editor, with an art and music background. She began her career in film in visual effects and worked on award-winning features including Alfonso Cuarón's

"Children of Men," Martin Campbell's "Casino Royale," Guy Ritchie's "Sherlock Holmes" and Sam Mendes' "Skyfall."

In 2014, Jennings edited Doug Liman's "Edge of Tomorrow" and won the Saturn Award for Best Editing, BOFCA Award, Sierra Award and SDFCS Award.

Jennings edited the Ridley Scott-produced feature "Morgan," and edited Matthew McConaughey and Anne Hathaway's drama thriller "Serenity" for director/writer Steven Knight. For Disney Live Action, Jennings edited "Maleficent: Mistress of Evil," and in 2021, she edited "Every Breath You Take." Up next for Jennings is "War of the Worlds."

SAMMY SHELDON DIFFER (Costume Designer) was born in Manchester and started her career at the Royal Exchange Theatre as a costume maker, then studied costume design at Wimbledon School of Art from 1990-1993.

After graduating, she moved into designing costumes for pop promos and advertising before becoming an assistant designer on films including Ridley Scott's "Gladiator" and Jake Scott's "Plunkett & Macleane." She went on to design costumes for Ridley Scott's "Black Hawk Down" and the mockumentary "Calcium Kid," starring Orlando Bloom.

Sheldon Differ has received BAFTA Film nominations for her work on Morten Tyldum's "The Imitation Game," starring Benedict Cumberbatch and Keira Knightley; and "The Merchant of Venice," starring Al Pacino and Jeremy Irons; and a BAFTA TV nomination for the BBC's modern adaptation of "The Canterbury Tales: The Wife of Bath." She received Costume Designers Guild Award nominations for Excellence in Period Film for "The Imitation Game," and Excellence in Fantasy Film for "Ex Machina," "X-Men: First Class" and "V for Vendetta." Other film credits include "Kick-Ass 2," "Gulliver's Travels," "Kick-Ass," "The Green Zone," "Hellboy 2: The Golden Army," "Stardust," "Kinky Boots," and "The Hitchhiker's Guide to the Galaxy."

Sheldon Differ's more recent film credits include "Assassin's Creed," directed by Justin Kurzel; Marvel Studios' "Ant- Man," directed by Peyton Reed; "Annihilation," directed by Alex Garland; "Jurassic World: Fallen Kingdom," directed by J.A. Bayona and Marvel Studios' "Eternals," directed by Chloé Zhao. Opening in 2023 is "Kraven the Hunter," directed by J.C. Chandor.

Award-winning composer **CHRISTOPHE BECK (Music by)** brings his unique talent, versatility, and musical aesthetic to every project he scores. His ear for melody and understanding of the orchestra, along with his flexible approach and flair for analog synthesizers, make him a valuable and in-demand collaborator.

The prolific composer scored both "Ant-Man" and "Ant-Man and The Wasp." Beck also composed the score for two hit Marvel Studios Disney+ series—"WandaVision" and "Hawkeye"—and recently scored DC's "Shazam!" sequel, "Shazam! Fury of the Gods."

Beck's musical voice can be heard in many of the most popular films, including iconic comedies ("The Hangover" trilogy, "Bring It On," "Hot Tub Time Machine," "Pitch Perfect," "American Pie"); poignant dramas ("We Are Marshall," "Cake"); family adventures ("Frozen," "Trolls," "The Muppets," "The

Peanuts Movie"); award-winning documentaries ("Watson," "Waiting for Superman"); romantic comedies ("Crazy Stupid Love," "Under the Tuscan Sun"); and action thrillers ("Edge of Tomorrow," "American Made").

Beck began playing piano at the age of 5, and would ultimately study music at Yale and attend the USC film scoring program under the tutelage of legendary composer Jerry Goldsmith. He began composing in television at the personal recommendation of Disney music legend, Buddy Baker, and launched his career with the TV series "Buffy the Vampire Slayer," for which he earned an Emmy[®].

JAN SEWELL (Hair and Makeup Design) has won one BAFTA and been nominated three times for the BAFTA Film Award for best makeup & hair. Her most recent nomination came in 2019 for her work on "Bohemian Rhapsody," starring Rami Malek in his Academy Award-winning portrayal of Freddie Mercury, and she was also nominated in the same category in 2015 for her work on "The Theory of Everything," directed by James Marsh, and in 2016 for her work on "The Danish Girl," directed by Tom Hooper. For all three films she also received dual Make-Up Artist and Hair Stylists Guild Award nominations.

Sewell's credits also include "The Midnight Sky," directed by George Clooney and starring Clooney, Felicity Jones and David Oyelowo; "Wonder Woman 1984," directed by Patty Jenkins and starring Gal Gadot and Chris Pine; "Tomb Raider," directed by Roar Uthaug and starring Alicia Vikander as the eponymous Lara Croft; "Breathe," directed by Andy Serkis and starring Andrew Garfield and Claire Foy, for which she was nominated for a British Independent Film Award; "Bridget Jones' Baby," directed by Sharon Maguire and starring Renée Zellweger, Colin Firth and Patrick Dempsey; "Everest," directed by Baltasar Kormákur and starring Jason Clarke, Josh Brolin and Jake Gyllenhaal; "The Riot Club," directed by Lone Scherfig and starring Sam Claflin, Max Irons and Holliday Grainger; and "The Double," directed by Richard Ayoade and starring Jesse Eisenberg and Mia Wasikowska.

Sewell's work will be seen on the big screen in "Tetris," directed by Jon S. Baird.

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