



UNIVERSITY OF  
CAMBRIDGE



INTERNATIONAL BIOMEDICAL  
RESEARCH ALLIANCE



# NIH OXFORD-CAMBRIDGE SCHOLARS PROGRAMME

## TIMETABLE

ANNUAL WORKSHOP  
26 - 27 JUNE 2019

OXFORD VISIT DAY  
28 JUNE 2019

KEBLE COLLEGE  
OXFORD



NIH OXFORD-CAMBRIDGE SCHOLARS PROGRAMME  
ANNUAL WORKSHOP: SLOANE ROBINSON BUILDING, KEBLE COLLEGE, OXFORD  
WEDNESDAY 26 JUNE 2019

10:30 – 10:50	REGISTRATION		DOUGLAS PRICE ROOM
10:50 – 11:00	<b>WELCOME AND INTRODUCTION</b>	<b>OXFORD DIRECTOR:</b> PROFESSOR SARAH ROWLAND-JONES	O'REILLY LECTURE THEATRE
11:00 – 11:30	<b>GENETICS, DIABETES AND METABOLISM</b> CHAIR: PROFESSOR SARAH ROWLAND-JONES	<b>GUEST SPEAKER:</b> PROFESSOR ANNA GLOYN	O'REILLY LECTURE THEATRE
11:30 – 12:45	<b>STUDENT PRESENTATIONS</b> CHAIR: ASSOCIATE PROFESSOR HAL DRAKESMITH	<b>STUDENTS:</b>	O'REILLY LECTURE THEATRE
11:30 – 11:45	DEFINING THE MOLECULAR MECHANISMS OF TRANSCRIPTION-ASSOCIATED INTERSTRAND CROSSLINK REPAIR	WILLIAM NATHAN	
11:45 – 12:00	MOLECULAR AND TOPOLOGICAL REORGANIZATION IN MITOCHONDRIAL ARCHITECTURE INTERPLAY DURING BAX-MEDIATED STEPS OF APOPTOSIS	NICHOLAS ADER	
12:00 – 12:15	MENINGEAL HUMORAL IMMUNITY DURING HOMEOSTASIS AND NEUROINFECTIOUS DISEASE	ZACHARY FITZPATRICK	
12:15 – 12:30	HOW TO TRIAGE YOUR SCREEN HITS: WHAT NAPOLEON'S DOCTOR CAN TEACH US ABOUT BIG DATA INTERPRETATION AND ANALYSIS	SAMUEL KATZ	
12:30 – 12:45	MICROGLIA SUPPRESS TAU PROPAGATION IN LATE STAGE TAUOPATHIES	HANNAH MASON	
12:45 – 13:30	<i>Lunch</i>		<i>Hall</i>
13:30 – 15:00	<b>CAREER PATHWAYS AND CAREER BREAKS</b> CHAIR: PROFESSOR SARAH ROWLAND-JONES	<b>PANEL SESSION WITH Q &amp; A</b>	O'REILLY LECTURE THEATRE
	CAREER BREAKS: CHALLENGES AND OPPORTUNITIES	DR. CYNTHIA WRIGHT DRAKESMITH	
	SCIENCE COMMUNICATION	DR. CHARVY NARAIN	
	DOCTORAL MEDICAL TRACK	DR. MELODY DUVALL	
	AVIDEA TECHNOLOGIES	DR. ANDREW ISHIZUKA	
15:00 – 15:30	<i>Refreshments</i>		<i>Douglas Price room</i>

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WEDNESDAY 26 JUNE 2019

15:30 - 16:00

**PUBLISHING: LIFE AS AN EDITOR**

CHAIR: ASSOCIATE PROFESSOR HAL DRAKESMITH

**GUEST SPEAKER:**

ANDREW JERMY

O'REILLY LECTURE THEATRE

16:00 - 17:30

**POSTER SESSION**

ARCO BUILDING

17:30 - 18:30

**TOWN HALL**

WELCOME TO THE NEW CLASS OF 2019  
DISCUSSION OF YEARLY PROGRESS REPORTS  
WHAT CAN THE PROGRAM DO BETTER?  
OPEN TIME FOR QUESTIONS

DOUGLAS PRICE ROOM

19:30

*Student Event: buffet and Pub Quiz at Keble Bar*

*College bar*

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THURSDAY 27 JUNE 2019

08:45 - 08:55	REGISTRATION		SLOANE ROBINSON FOYER
08:55 - 09:00	<b>WELCOME AND INTRODUCTION</b>	<b>OXFORD DIRECTOR (INCOMING):</b> PROFESSOR MIKE DUSTIN	O'REILLY LECTURE THEATRE
09:00 - 09:30	<b>BEYOND VULNERABILITY: ETHICAL RESEARCH IN DEVELOPING COUNTRIES</b> CHAIR: PROFESSOR MIKE DUSTIN	<b>GUEST SPEAKER:</b> ASSOCIATE PROFESSOR MAUREEN KELLEY	O'REILLY LECTURE THEATRE
09:30 - 10:45	<b>STUDENT PRESENTATIONS</b> CHAIR: PROFESSOR MIKE DUSTIN	<b>STUDENTS:</b>	O'REILLY LECTURE THEATRE
09:30 - 09:45	AN APTAMER-BASED ASSAY FOR THE DETECTION OF ANTIMALARIAL DRUGS	ERIN COONAHAN	
09:45 - 10:00	AN ORTHOTOPIC XENOGRFT MODEL FOR STUDYING REIRRADIATION AND GLIOBLASTOMA EVOLUTION	JOSEPH McABEE	
10:00 - 10:15	HUMAN INTERLEUKIN-2 RECEPTOR SS MUTATIONS ASSOCIATED WITH DEFECTS IN IMMUNITY AND PERIPHERAL TOLERANCE	ZINAN ZHANG	
10:15 - 10:30	RNA GRANULES HITCHHIKE ON LYSOSOMES FOR LONG-DISTANCE TRANSPORT, USING ANNEXIN A11 AS A MOLECULAR TETHER	MICHAEL FERNANDOPULLE	
10:30 - 10:45	IDENTIFICATION OF RASA3 AS A NOVEL PI3K EFFECTOR PROTEIN IN T CELL ADHESION AND HOMEOSTASIS	KRISTOFFER HAURUM JOHANSEN	
10:45 - 11:15	<i>Refreshments</i>		<i>Douglas Price room</i>
11:15 - 12:45	<b>ENTREPRENEURSHIP AND BUSINESS SPINOUTS</b>  CHAIR: TOM HEYMAN  ASSOCIATE PROFESSOR SUMI BISWAS  DR. DAVID LLEWELYN	<b>PANEL SESSION WITH Q &amp; A</b>  DAVID NORWOOD  JONNY THOMSON  DR. ANDREW ISHIZUKA	O'REILLY LECTURE THEATRE
12:45 - 13:30	<i>Lunch</i>		<i>Hall</i>

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THURSDAY 27 JUNE 2019

13:30 - 14:00	<b>THE DESIGN OF EXPERIMENTS: HOW NOT TO RUIN A PERFECTLY GOOD IDEA</b> CHAIR: PROFESSOR SIMON DRAPER	<b>GUEST SPEAKER:</b> DR MANUEL BERDOY	O'REILLY LECTURE THEATRE
14:00 - 15:00	<b>STUDENT PRESENTATIONS</b> CHAIR: PROFESSOR SIMON DRAPER	<b>STUDENTS:</b>	O'REILLY LECTURE THEATRE
14:00 - 14:15	THE CHARACTERIZATION OF DNA TOPOISOMERASE VI FROM METHANOSARCINA MAZEI USING SINGLE MOLECULE AND ENSEMBLE METHODS	SHANNON JANE MCKIE	
14:15 - 14:30	VISUALIZATION OF INNATE IMMUNE CELL DYNAMICS DURING EARLY STAGE GLIOBLASTOMA DEVELOPMENT	NICOLE MIHELSON	
14:30 - 14:45	IMMUNITY AND MEMORY AGAINST MALARIA: AN ATLAS OF THE MOSQUITO IMMUNE SYSTEM AT SINGLE-CELL RESOLUTION	GIANMARCO RADDI	
14:45 - 15:00	IMPAIRED LYSOSOME TRANSPORT TO DISTAL AXONS CONTRIBUTES TO AUTOPHAGIC STRESS IN THE NEURODEGENERATIVE LYSOSOMAL STORAGE DISORDER NIEMANN-PICK TYPE C	JOSEPH RONEY	
15:00 - 15:30	<i>Refreshments</i>		<i>Douglas Price room</i>
15:30 - 16:00	<b>PARKINSON'S IN A DISH: FROM MOLECULAR MECHANISMS TO TARGET DISCOVERY</b>	<b>GUEST SPEAKER:</b> PROFESSOR RICHARD WADE-MARTINS	O'REILLY LECTURE THEATRE
16:00 - 17:00	<b>POSTER SESSION</b>		ARCO BUILDING
17:00	<b>CLOSE</b>		
18:45	<i>Drinks reception</i>		<i>College Bar (Cash bar open 18.30)</i>
19:15	<i>Group photograph</i>		<i>Liddon quad</i>
19:30	<i>Gala dinner and prize giving</i>	<b>WELCOME ADDRESS</b> PROFESSOR GAVIN SCREATON	<i>Hall</i>

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FRIDAY 28 JUNE 2019  
OXFORD VISIT DAY

10:00 – 11:00	<b>MD TRACK DISCUSSION SESSION</b> LOOKING AT LEARNING PLANS FOR CURRENT STUDENTS ON THIS TRACK	CARTER VAN WAES, M.D., PH.D.	GIBBS ROOM
11:00 – 12:00	<b>Q &amp; A SESSION:</b> A CHANCE FOR NEW STUDENTS TO ASK ACADEMIC AND ADMINISTRATIVE QUESTIONS ABOUT STUDYING IN OXFORD	MEMBERS OF OXFORD UNIVERSITY FACULTY AND ADMINISTRATIVE STAFF	GIBBS ROOM
AFTERNOON	FREE FOR MEETINGS WITH SUPERVISORS / LAB VISITS ETC		

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