

Space Medicine & Research Workshop

University of Oxford · University of Pittsburgh



Workshop Programme 2026



OVERVIEW

Workshop *agenda overview 2026*

16-20 November 2026

The Botnar Institute, Oxford, UK

5 DAYS OF SCIENCE	10+ EXPERT SPEAKERS	2 PARTNER INSTITUTIONS	2026 INAUGURAL EDITION
16 Nov	Space: New Frontiers Origins of life beyond Earth · History of human spaceflight · Clinical perspectives in space medicine · Astronaut panel		
17 Nov	Genetics & Biology of Spaceflight Omics approaches · Biological adaptation · Genomics & precision medicine · Microbiome dynamics in space		
18 Nov	Workshop Day 1: Space Research Methods and Payloads Cosmic radiation biology · Cellular & genetic responses to radiation · Molecular mechanisms of space adaptation		
19 Nov	Workshop Day 2: Design and Implementation of Space Research Payloads Hands-on space research methodology · Next-generation payload design · Translational pathways to clinical application		
20 Nov	Student Abstract Presentations & Closing Student research showcase · Collaborative discussions · Networking & closing reception		



Day 1 - Monday, 16 November 2026

Time	Speaker	Title
09:00 - 09:30	Coffee and Registrations	
09:30 - 09:45	Welcome & Opening Remarks	
09:45 - 10:45	Dr James Green	Keynote: <i>The Search for Life Beyond Earth</i>
10:45 - 11:30	Dr Kate Rubins	TBC
11:30 - 11:45	Coffee Break	
11:45 - 12:30	Dr Tara Ruttley	Space Physiology
12:30 - 14:00	Lunch	
14:00 - 14:45	Professor Afshin Beheshti	TBC
14:45 - 15:30	Dr Joseph Borg	From Malta to Mars - Space Omics, Human Health and the Future of Exploration
15:30 - 16:00	Coffee Break	
16:00 - 16:45	Dr Malcom Jackson	<i>The MicroAge programme: Microgravity as a model of accelerated skeletal muscle ageing</i>
16:45 - 17:00	Closing remarks	
17:00 - 18:00	Networking drinks	



Day 2 - Tuesday, 17 November 2026

Time	Speaker	Title
09:00 - 09:15	Arrival	
09:15 - 10:00	Dr Chris Mason	Welcome & Opening Remarks
10:00 - 10:45	Dr Jangkeun Kim	Space Perturbomics: Predicting and Redirecting Biological Responses to Spaceflight
10:45 - 11:15	Coffee Break	
11:15 - 12:00	Dr Sylvain Costes	<i>From DNA Damage to Digital Twins - Integrating Modeling, AI, and Human Biotwins</i>
12:00 - 13:30	Lunch	
13:30 - 14:15	Dr Jon Sen	Preserving Brain Health During Human Spaceflight: Towards a Neuroadaptive Framework for Deep Space Exploration
14:15 - 15:00	Profesor Ghada Alsaleh	TBC
15:00 - 15:30	Coffee Break	
15:30 - 16:15	Dr Keith Siew	You might make it to Mars, but will you need dialysis on the way back?
16:15 - 17:15	TBC	Astronaut Panel
17:15 - 17:30	Closing remarks	



Day 3 - Wednesday, 18 November 2026

Time	Speaker	Title
09:00 - 09:15	Arrival	
09:15 - 10:00	Lucy Low, Axiom	TBC
10:00 - 10:30	Profesor Ghada Alsaleh	Workshop Introduction
10:30 - 11:00	Coffee Break	
11:00 -12:00	Dr Willian Da Silveira	Activity 1
12:00 - 13:30	Lunch	
13:30 -14:30	TBC	Activity 2
14:30 - 15:30	TBC	Activity 3
15:30 - 16:00	Coffee Break	
16:00 - 17:00	TBC	Activity 4
17:00 -17:30	Closing remarks	



Day 4 - Thursday, 19 November 2026

Time	Speaker	Title
09:00 - 09:15		Arrival
09:15 - 10:00	TBC	TBC
10:00 - 10:30		Activity 1
10:30 - 11:00		Coffee Break
11:00 -12:00		Activity 2
12:00 - 13:30		Lunch
13:30 -14:30		Activity 3
14:30 - 15:30		Activity 4
15:30 - 16:00		Coffee Break
16:00 - 17:00		TBC
17:00 -17:30		Closing remarks



Day 5 - Friday, 20 November 2026

Time	Speaker	Title
09:00 - 09:15	Arrival	
09:15 - 09:30	Student/Early-career Researcher	Presentation 1
09:30 - 09:45	Student/Early-career Researcher	Presentation 2
09:45 - 10:00	Student/Early-career Researcher	Presentation 3
10:00 - 10:15	Student/Early-career Researcher	Presentation 4
10:15 - 10:30	Student/Early-career Researcher	Presentation 5
10:30 - 11:00	Coffee Break	
11:00 - 11:15	Student/Early-career Researcher	Presentation 6
11:15 - 11:30	Student/Early-career Researcher	Presentation 7
11:30 - 11:45	Student/Early-career Researcher	Presentation 8
11:45 - 12:00	Student/Early-career Researcher	Presentation 9
12:00 - 12:15	Student/Early-career Researcher	Presentation 10
12:15 - 13:45	Lunch	
13:45 - 14:45	Student/Early-career Researcher	Poster Presentations
14:45 - 15:30		TBC
15:30 - 16:00		Break
16:00 - 16:30		Awards
16:30 - 18:00	Networking Drinks	

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