

SELECTA Winter School Programme 2018

7-12 January 2018

04/01/2018

Date	Time	Activity/Talk	Location/Topic	Other Details
Sunday 7 January				
Evening Event	1900-2100	Arrival Reception		Fellows' Dining Room, Churchill College, Storey's Way, Cambridge CB3 0DS (Porters' Lodge Tel: 01223 336000)
Monday 8 January				
	1200-1230	Registration	Goldsmiths 1	Registration and Talks
	1230-1330	Lunch	Coffee lounge at MSM	Sandwich lunch
	1330-1335	Welcome address	Goldsmiths 1	Lindsay Greer
Session A 1345-1730	1335-1345	Introduction	Goldsmiths 1	Chair of Session: Jordi Sort
	1345-1545	Talk 1 - How to apply for a Marie S. Curie Individual Fellowship (MSC-IF)		Queralt González Matos, Research Adviser, International Projects Office
	1545-1600	Tea		
	1600-1700	Talk 2 - Career Talk		Katie Hewitt, Careers Adviser and Freelance Trainer, Katie Hewitt Personal & Professional Development
Evening Events				
	1800-1900	Welcome Reception and Talk		Knox Shaw Room, Sidney Sussex College, Sidney St, Cambridge CB2 3HU (Porters' Lodge: 01223 338800)
	1900-1930	Transfer from Sidney Sussex College to St John's Chophouse		~9 minutes walk
	1930-2130	Dinner		St. John's Chophouse, 21-24 Northampton St, Cambridge CB3 0AD (Tel: 01223 353110)
Tuesday 9 January				
Session B 0900-1830	0855-0900	Introduction	Goldsmiths 1	Chairs of Session: Zoe Barber and Jordi Malapeira
	0900-0930	How to prepare for an interview		Interview Skills for ESRs with Katie Hewitt
	0930-1000	What is going on for the panel?		Interview Skills for ESRs with Katie Hewitt
	1000-1020	Giving excellent and memorable answers		Interview Skills for ESRs with Katie Hewitt
	1020-1035	How to handle 'difficult' questions?		Interview Skills for ESRs with Katie Hewitt
	1035-1045	How to handle 'Do you have any questions?'		Interview Skills for ESRs with Katie Hewitt
	1045-1115	Coffee		
	1115-1230	Sector Specific Advice		Interview Skills for ESRs with Katie Hewitt
	1230-1300	SKYPE Interview	Goldsmiths 2	PhD student interviews and presentations
	1300-1400	Lunch	Coffee lounge at MSM	Buffet lunch
Interviews - 2 panels	1330-1400	Candidates 1	Goldsmiths 1 & 2	PhD student interviews and presentations
	1400-1430	Candidates 2		PhD student interviews and presentations
	1430-1500	Candidates 3		PhD student interviews and presentations
	1500-1530	Candidates 4		PhD student interviews and presentations
	1530-1600	Tea	Coffee lounge at MSM	
	1600-1630	Candidates 5	Goldsmiths 1 & 2	PhD student interviews and presentations
	1630-1700	Candidates 6		PhD student interviews and presentations
	1700-1730	Candidates 7		PhD student interviews and presentations
	1730-1800	Feedback, debrief and Q&A	Goldsmiths 2	Katie Hewitt
Evening Event				
	1930-2200	Dinner		The Old Library, Sidney Sussex College, Sidney St, Cambridge CB2 3HU (Porters' Lodge: 01223 338800)
Wednesday 10 January				
Session C 0900-1700	0900-0905	Introduction	Goldsmiths 1	Chair of Session: Dolors Baro
	0905-1005	Mechanical testing at the micro and nanoscale: instruments and methods		J-M Breguet, Managing Director, co-founder Alemnis AG
	1005-1030	Coffee	Coffee lounge at MSM	
	1030-1130	Entrepreneurship & Innovation: Cambridge Experience		Yupar Myint, Head of Entrepreneurship Programme, Impulse - for tech innovators, Maxwell Centre and formerly Director of International Business Development at Cambridge's Centre for Entrepreneurial Learning (CfEL)
	1130-1230	Nanomaterials Playground: Magnetic Skyrmions, Magneto-Ionics and Metal Foams		Kai Liu, Professor of Experimental Condensed Matter Physics, University of California, Davis
	1230-1330	Lunch	Coffee lounge at MSM	Sandwich lunch

	1330-1530	Management Meeting	Armourer & Brasiers' meeting room	Management Committee members only
	1330-1400	ESRs transport from the Department to GRANTA		Transport by Greys Coaches - the coach will be outside the Department and will depart promptly at 1330
Note to ESRs - please bring lap tops with you to take to GRANTA!	1400-1700	Presentations and projects on Materials Selection and Eco-audits (introducing an eco-dimension) with a tour of Granta and an outline of its history, and how a University spin-off works.		Professor Mike Ashby, Chairman and Claes Fredrickson, Senior Materials Education Consultant, GRANTA.
	1700-1730	ESRs transport from GRANTA to Churchill		Transport by Greys Coaches
Evening Event	1900-1930 1930-2200	Drinks Reception College Dinner		Graham Storey Room, Trinity Hall College, Trinity Ln, Cambridge CB2 1TJ (Porters' Lodge Tel: 01223 332500)
Thursday 11 January				Talk sessions and free evening
Session D 0930-1500	0930-0935	Introduction	Goldsmiths 1	Chair of Session: Eva Pellicer
	0935-1035	Materials Development: innovation of new materials and devices from science to industrialisation		Dr Norbert Babcsán, Vice President, Technology Director and Chief Technology Officer of Aluivent
	1035-1100	Coffee		
	1100-1130	Gender and cultural diversity in scientific research		Assoc. Prof. Dr. Mariana Calin Institute for Complex Materials Leibniz-Institute for Solid State and Materials Research Dresden (IFW Dresden)
	1130-1200	ESR showcase videos		ESRs
	1200-1300	Small-scale machines: the role of electrochemical fabrication		Dr Salvador Pané, Institute of Robotics and Intelligent Systems (IRIS), Swiss Federal Institute of Technology (ETH) Zurich
	1300-1400	Lunch	Coffee lounge at MSM	Buffet lunch
	1400-1500	Commercialising FFC - The Metalysis Story		Dr Melchiorre Conti, Metalysis Limited
	1500-1600	3D printing of magnetic nanostructures for computing and sensing applications		Dr Amalio Fernandez-Pacheco, University of Cambridge Physics Department (Cavendish Laboratory), Thin Film Magnetism Group (TFM)
Free Evening				
Friday 12 January				
	1000-1130	Tour of Cavendish		Tour/Visit to Cavendish with Malcolm Longair
	1230-1400	Lunch	Coffee lounge at MSM	Sandwich lunch
Further Information				
Professor Michael F Ashby	Chairman, and co-founder of GRANTA. Emeritus Professor of Materials, University of Cambridge, Engineering Design Centre.			
Dr Norbert Babcsán	Dr. Norbert Babcsán serves as Vice President, Technology Director and Chief Technology Officer of Aluivent Zartkoruen Mukodo Reszvenytársasag. Dr. Babcsán's research field concerned the area of the perfection of gas injection method, the effect of gas composition on foam quality and stability, the role of stabilizing particles during foaming, and the study of metal foam stability and evolution by ex-situ, or in-situ methods.			
Dr J-M Breguet	Managing Director, co-founder, Alemnis AG			
Assoc. Prof. Dr. Mariana Calin	Institute for Complex Materials, Leibniz-Institute for Solid State and Materials Research Dresden (IFW Dresden)			
Dr Melchiorre Conti	Director of Technology, Metalysis Limited			
Dr Amalio Fernandez-Pacheco	EPSRC Early Career Fellow and Winton Advanced Fellow, Fellow of Sidney Sussex College, University of Cambridge Physics Department (Cavendish Laboratory), Thin Film Magnetism Group (TFM) https://www.tfm.phy.cam.ac.uk/facilities			
Claes Fredrickson	Senior Materials Education Consultant, GRANTA. Granta Design is a Cambridge University spin-out company that supports Materials Education and Research across a wide variety of subjects in engineering, science, and design.			
Queralto González Matos	Research Adviser, International Projects Office			
Professor A Lindsay Greer FIMMM	Head of School of the Physical Sciences and Professor of Materials Science, Department of Materials Science & Metallurgy			
Katie Hewitt	Freelance Trainer, Katie Hewitt Personal & Professional Development, Over 7 years of experience as a trainer and developer, working predominantly with PhD and Postdoc researchers.			
Professor Kai Liu	Professor of Experimental Condensed Matter Physics, University of California, Davis			
Yupar Myint	Head of Entrepreneurship Programme, Impulse - for tech innovators, Maxwell Centre, formerly Director of International Business Development at Cambridge's Centre for Entrepreneurial Learning, CfEL			
Dr. Salvador Pané i Vidal	Institute of Robotics and Intelligent Systems (IRIS), Swiss Federal Institute of Technology (ETH) Zurich			
Professor Jordi Sort	ICREA Research Professor, Catalan Institution for Research and Advanced Studies (ICREA)			
Professor Zoe Barber	Professor of Materials Science, Deputy Head of Department (responsible for Teaching)			