

OXFORD-GRENOBLE ALPES SYMPOSIUM

30 years of collaborative research in Advanced Materials and Biological Structures

27-28 May 2019
Institut Laue Langevin, Grenoble,
France

PROGRAMME

All talks will be given in the Chadwick Amphitheatre ILL

MONDAY 27 MAY

9:00-11:00 Visit ILL-ESRF

10:00 Registration

Welcome address

11:30-12:00 Helmut Schober (ILL Director)
Francesco Sette (ESRF Director General)
Patrick Lévy (President of UGA)
Lord Llewellyn (Her Majesty's Ambassador to France)

Chaired by Robert Jacobs

12:00-12:30 History of Oxford-Grenoble scientific partnership Andrew Harrison

12:30-14:00 WELCOME BUFFET

Chaired by Giovanna Fragneto

14:00-14:30 Neutrons and Surfaces: an Unlikely Tale of Two Cities Robert K. Thomas

14:30-14:50 Oxford scientists and the ILL, more than 30 years! Timothy Ziman

14:50-15:20 20 years of Oxford-Grenoble collaboration on radiation damage research:
what have we learned? Elspeth Garman

15:20-15:40 Raoult's Law revisited: collaborative research between Oxford and
Grenoble 130 years later Matthew Bowler

15:40-16:10 Coffee/tea break - Hall ILL 4

Chaired by Matthew Bowler / Edward Mitchell

16:10-16:30 Supervised Learning with a focus on Deep-Learning Amini Massih-Reza

16:30-17:00 Virus crystallography in the early days of the ESRF David Stuart

Round table

17:00-18:00 S. Cusack, E. Garman, A. Harrison, M. Johnson, Y. Lakhnech, M. C. Simiand, J. Susini
Present collaborations and perspectives for the future

18:00-19:00 Aperitif

19:00 Barbecue (ESRF chalet)

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TUESDAY 28 MAY

Chaired by Jean-François Legrand

8:30-8:50	Oxford and Grenoble: twin cities in divergent pathways?	Helen Lawton Smith & Dimitris Assimakopoulos
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8:50-9:10	Is the technopolis enough to become a metropolis?	Gilles Novarina
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9:10-9:30	An introduction to photoacoustic imaging	Emmanuel Bossy
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9:30-10:00	Physical limits on the negative pressure inside a photoacoustic source	Robin Cleveland
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10:00-10:30	Biosurfactant and biosurfactant / surfactant adsorption: meeting the environmental challenge	Jeffrey Penfold
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10:30-11:00	Coffee/tea break	
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Chaired by Carlo Petosa

11:00-11:20	Deep Care: AI for patient empowering with a participatory health project	Philippe Cinquin
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11:20-11:50	The EPN Campus and its extraordinary contribution to materials physics: A personal view from Oxford	Andrew Boothroyd
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11:50-12:10	Misfits and dislocations: from Oxford to Grenoble	Andrew Wildes
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12:10-12:30	Pyrochlore oxides: Spin ice and the search for magnetic monopoles	Elsa Lhotel
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12:30-13:00	Complementarity of isotopic labelling in biomembrane studies over 30+ years - NMR, neutrons, X-rays and XFELs	Anthony Watts
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13:00	BUFFET & FAREWELL	
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