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**DEPARTMENT OF CHEMISTRY
OXFORD UNIVERSITY**

PHYSICAL & THEORETICAL CHEMISTRY LABORATORY



THE HINSHELWOOD LECTURES 2018

Professor Lydéric Bocquet

**Directeur de Recherche, CNRS, and
Professor of Physics, Ecole Normale Supérieure, Paris**

“Soft Interfaces: A Journey Across Scales”

A series of six lectures:

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| LECTURE 1: Tuesday, 24 April | General introduction: Soft Interfaces and Scales
Slippery Roads of Hydrodynamic Slippage |
| LECTURE 2: Thursday, 26 April | Flows at Nanoscales, from Exotic Transport to Ionic
Machines |
| LECTURE 3: Monday, 30 April | Playing with Osmosis: Kidney Filtration, Active Sieving and
Energy Harvesting |
| LECTURE 4: Thursday, 3 May | Interfacial Transport: from Colloid Transport to Active
Matter |
| LECTURE 5: Tuesday, 15 May | Ski Friction and the Alchemy of Waxing |
| LECTURE 6: Thursday, 17 May | An Outdoor Pause: Skipping Stones, Splashes (and some
tea to conclude) |

The Lectures will be presented in the
Inorganic Chemistry Laboratory Lecture Theatre at 2 pm.
They will be of particular interest to researchers and senior undergraduates.
