

DEPARTMENT OF CHEMISTRY
OXFORD UNIVERSITY

PHYSICAL & THEORETICAL CHEMISTRY LABORATORY



THE HINSHELWOOD LECTURES 2023

Professor Howard A Stone

Princeton University, USA

**Physicochemical Hydrodynamics:
Intersections of Fluid Mechanics and Physical
Chemistry**

- Lecture 1:** Tuesday, 9 May: Physicochemical Hydrodynamics at the Intersection of Disciplines
- Lecture 2:** Thursday, 11 May: Transport Processes Driven by Chemical Gradients
- Lecture 3:** Tuesday, 16 May: From Bacteria in Porous Media to Transport in Cell Membranes
- Lecture 4:** Thursday, 18 May: From Physical Chemistry to Fluid Mechanics and the Spindle
- Lecture 5:** Tuesday, 23 May: From Rough Surfaces to Time Derivatives and Polymers in Flow
- Lecture 6:** Thursday, 25 May: New Examples of Self-Similarity and Universality in Wetting Processes

The Lectures ([generously sponsored by Refeyn Ltd](#)) will be presented in the
PTCL Main Lecture Theatre at 11.15 am
They will be of particular interest to researchers and senior undergraduates.