



**DEPARTMENT OF CHEMISTRY
OXFORD UNIVERSITY**

PHYSICAL & THEORETICAL CHEMISTRY LABORATORY



THE HINSHELWOOD LECTURES 2017

Professor Joanna Aizenberg

**Professor of Chemistry & Chemical Biology
Harvard University**

**“Bioinspired Materials: When Chemistry
Meets Biology, Optics & Surface Science”**

Will be presented in the form of six lectures on the following dates:

LECTURE 1, Thursday, 4 May - *Bio-Inspired Approaches to Crystal Design*

LECTURE 2, Tuesday, 9 May - Rationally Designed Complex 3D Microarchitectures

LECTURE 3, Wednesday, 10 May - Actuated “spiny” Surfaces à la Echinoderms: En route for Adaptive Materials

LECTURE 4, Thursday, 11 May - Hydrophobicity, Superhydrophobicity, Omniphobicity & Slippery Surfaces

LECTURE 5, Monday, 15 May - Everything SLIPS: A New Concept in Anti-biofouling Materials

LECTURE 6, Tuesday, 16 May - Bioinspired Colloidal Assembly: From Photonics to Encryption

The Lectures, sponsored by Shell International, will be presented in the Physical & Theoretical Chemistry Laboratory in the Main Lecture Theatre at 11.15 am. They will be of particular interest to researchers and senior undergraduates.