

Session 1 Chair: Denis Noble	
8.30	Welcome by The Royal Society
8.35	George Whitesides Biomimetics and soft robotics
9.05	Yuru Deng Living crystals: the enigmatic functions of biological cubic membranes
9.35	Stephen Hyde Animal, vegetable or mineral? A continuum of form
10.05	Discussion
10.40	Coffee
11.10	Patricia Bassereau Bio-inspired membrane-based systems for a physical approach of cell organization and dynamics: usefulness and limitations
11.40	Mark Cutkosky Climbing with Adhesion: from Bio-inspiration to Bio-understanding
12.10	Discussion
12.40	LUNCH
Session 2 Chair: Clemens Kaminski	
13.50	Stanislav Gorb Biomimetic adhesive microstructures as an approach to understand functioning of biological systems
14.20	Neil Hunter FRS Photosynthesis-inspired redesign of membrane protein architectures for capturing and storing solar energy
14.50	Discussion
15.20	Tea
15.50	Florian Hollfelder Bioinspired genotype-phenotype linkages: mimicking cellular compartmentalisation for the engineering of functional proteins
16.20	Ray Goldstein FRS Fluid dynamics and self-organisation of cytoplasmic streaming
16.50	Discussion
17.20	Panel discussion Chair: Mark Miodownik Panellists: Patricia Bassereau Mark Cutkosky George Whitesides
18.00	FINISH
18.00	Drinks reception