



Programme

13:00 Registration (SCR Corridor)

For talk and poster presenters

13:30 Keynote Address (Fellows' Dining Room)

Photons in, electrons out: the physics of solar cells
Professor Jenny Nelson

14:25 Presentation Session 1 (Fellows' Dining Room)

Tidal Heating of Hot Jupiters
Adam Jermyn

Developing Targeted Imaging Agents for Detection of Tumour Cell Death in Early Treatment Response
Flaviu Bulat

The Genetic Architecture of Human Thinness
Fernando Riveros McKay Aguilera

Investigating the Effect of Loading Rate on the Uplift Movements of Buried Offshore Pipelines in Low Permeable Sand
Hansini Mallikarachchi

Mechanics of Spatial Inattention
Sri Jagannathan

15:25 Poster Session 1 (Cockcroft Room)

Coffee, tea and biscuits provided

16:00 Presentation Session 2 (Fellows' Dining Room)

Extremely Efficient Computer Processor Error Detection
Sam Ainsworth

How to Make Stars
Mia de los Reyes

Combustion Noise: Current Work and Future Challenges
Jocelino Rodrigues

Identifying the Spectral Fingerprint of Disease: a Multi-Modal Imaging System for Tissue Analysis
Travis Sawyer

United We Stand: a Study of Collective Cell Behaviour During Embryo Development
Victoire Cachoux

17:00 **Poster Session 2** *(Cockcroft Room)*

Wine, juice, cheese and crackers provided

17:35 **Presentation Session 3** *(Fellows' Dining Room)*

The Limits of Computation

Alex Bastounis

Educational Experiences of Resettled Refugees in the US: A Case Study with the Somali Bantu

Amberley Middleton

Identifying and Validating Age-specific Promoter and Enhancer Regions in *Caenorhabditis Elegans*

Michael Schoof

Hypervelocity Runaway Stars from a Dwarf Galaxy Flying by the Milky Way

Douglas Boubert

18:30 **Closing Remarks** *(Fellows' Dining Room)*

Professor Athene Donald