



**Royal College of Physicians of Edinburgh
9 Queen Street, Edinburgh EH2 1JQ**

Wednesday 10 May 2017

08:45 Registration:

Tea and Coffee, Foyer: SUPA student poster competition finalists

09:45 Welcome and Opening Address:

Prof Alan Miller, SUPA CEO;
Prof Sir Tim O'Shea, University of Edinburgh

SUPA THEME HIGHLIGHTS: SUB DISCIPLINE THEMES

10:15 Astronomy and Space Sciences:

Introduction by Prof Ken Rice:
Direct Imaging of Exoplanets: Dr Beth Biller

10:35 Condensed Matter & Materials Physics:

Introduction by Dr Chris Hooley:
Title TBC: Prof Eugene Gregoryanz

10:55 Nuclear and Plasma Physics:

Introduction by Prof Dino Jaroszynski:
Relativistic plasma optics for controlling particle acceleration: Prof Paul McKenna

11:15 Tea, Coffee and Refreshments, Foyer: Exhibition including SUPA student poster competition finalists

11:45 Particle Physics:

Introduction by Dr Victoria Martin:
Recent advances in Lattice QCD: Prof Christine Davies
Lattice QCD for Vub: Mr Iwan Smith

12:05 Photonics:

Introduction by Dr Jennifer Hastie:
Soft Matter Photonics – New resonators, LEDs and Lasers (to study live cells):
Prof Malte Gather

SUPA THEME HIGHLIGHTS: INTERDISCIPLINARY/IMPACT THEMES

12:25 Energy:

Introduction by Prof Paul McKenna:
Title TBC: Prof Ifor Samuel

12:45 Physics and Life Sciences:

Introduction Prof Gail McConnell

Fourier Ptychography: high throughput, high resolution microscopy with low-NA objectives: Prof Andy Harvey

Sensing deep and small: nanodiamond as a superresolution probe for biology: Dr Brian Patton

13:05 Lunch, Foyer: Exhibition including SUPA student poster competition finalists

14:20 Student Experiences: Examples from CDTs

Condensed Matter; Applied Photonics; Integrative Sensing and Measurement; Soft Matter and Functional Interfaces

15:40 Tea, Coffee and Refreshments, Foyer: Exhibition including SUPA student poster competition finalists

15:55 KEYNOTE SPEAKER:

Prof Andrew Mackenzie, Max Planck Institute for Chemical Physics of Solids

Strain-Tuning Quantum Materials

16:55 Closing Address

Announcement of the winner of the SUPA Poster Competition

Sponsored by tbc

16:55 IoP Public Event: Refreshments

Exhibition including SUPA student poster competition finalists

17:25 KEYNOTE SPEAKER :

Prof Wilson Poon, University of Edinburgh

Making a (physics) living out of goo

18:30 Close of Meeting