

Astronomy and Space Sciences



NGC 2207 colliding with IC 2163 (Image: ESO)



Telescopio Nazionale Galileo (Tenerife)

Internationally Renowned Research

Leaders working on a diverse areas including:

- Solar physics
- Exoplanets
- Star and planet formation
- Stellar populations
- Galaxy formation and evolution
- Active Galactic Nuclei
- Cosmology
- Gravitational Waves

Dedicated Research Centres and Facilities

- UK Astronomy Technology Centre
- Higgs Centre for Innovation
- Centre for Exoplanet Science
- UK Centre for Astrobiology
- Centre for Computational Astrophysics

The **Scottish Data-Intensive Science Triangle** (ScotDIST) funds PhD students in

astrophysics, particle physics and astroparticle physics research programmes. This includes a 6 month placement in industry

Headline facts

- ~ 130 Academics, 100 PhD students
- ~ 200 articles published in 2017 in the top journals: Astrophysical Journal, Astronomy & Astrophysics, Monthly Notices of the Royal Astronomical Society, Astronomical Journal, Nature, Nature Astronomy

Theme Leader:

Rita Tojeiro
University of St Andrews

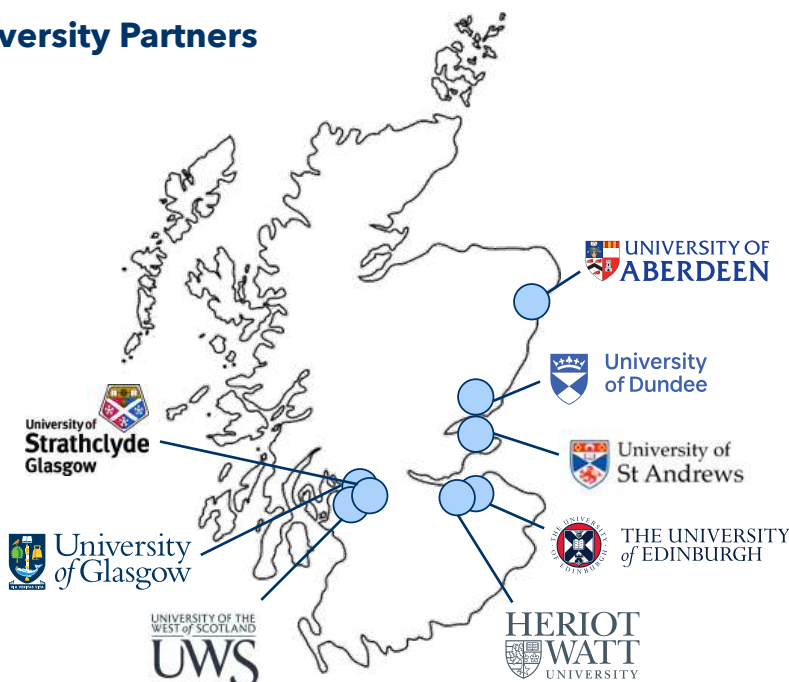




Scottish Universities Physics Alliance

Est. 2004

8 University Partners



7 Research Themes

- Astronomy & Space Sciences
- Condensed Matter & Materials Science
- Nuclear & Plasma Physics
- Particle Physics
- Photonics
- Energy
- Physics & Life Sciences

3 SUPA Associate Partners



SUPA is the strategic alliance of eight Physics Schools with a shared strategy for research, and has been highly successful in establishing Scotland as an international leader in research and advanced postgraduate training in Physics.

Collectively, SUPA forms the largest cluster of research power in physics in the UK, with a community of over 1,200 physicists (academics, research staff and postgraduate students) across Scotland.

Reflecting the strengths in our eight partner universities SUPA is theme led, with five sub-discipline themes, and two impact themes (Energy and Physics & Life Sciences).

SUPA Graduate School

- 600 registered PGR students
- 8 state-of-the-art video classrooms
- 50+ technical and transferable skills courses

- SUSSP summer schools
- Annual showcase of research

Headline Facts

Network of >1,200 physics researchers including:

- >300 Principal Investigators
- ~300 Post Doctoral Research Staff

Leading academics:

- 9 Fellows of the Royal Society
- 46 Fellows of the Royal Society of Edinburgh
- 10 RSE Young Academy / Global Academy Members

Numerous Personal Research Fellowships:

- 19 Royal Society
- 5 Royal Society of Edinburgh
- 15 Marie Curie
- 12 Chancellor's / Leadership Fellowships
- >30 Other

Major Awards:

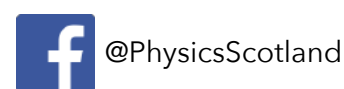
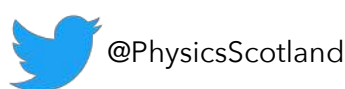
- 2018 Knighthood: Sir Jim Hough
- 2013 Nobel Prize: Peter Higgs

Research Performance during SUPA II (2010-2017):

- 37 European Research Council grants
- £381M of collaborative grant income
- £233M of non-collaborative grant income
- ~2,000 publications each year

Science Policy:

- Chief Scientific Advisor, Scottish Government: Sheila Rowan
- STFC Council: Richard Kenway, Sheila Rowan
- STFC Science Board:
 - Peter Clarke, Christine Davies, Rory Duncan, Paul McKenna
- EPSRC Strategic Advisory Group: Ifor Samuel
- Chief Scientific Advisor, Food Standards Scotland: Norval Strachan



Sign up to the SUPA newsletter: www.supa.ac.uk/newsletter