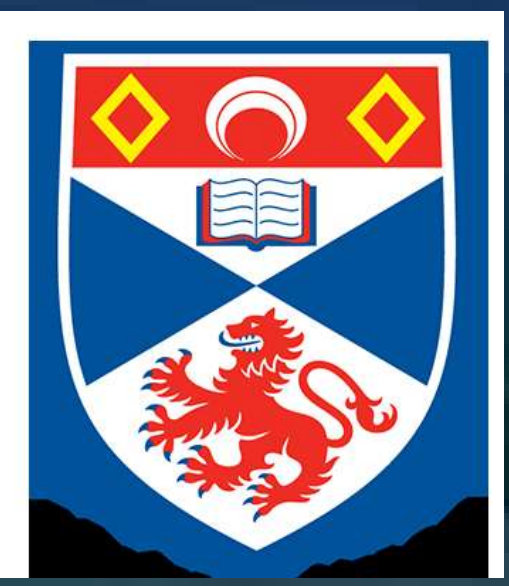


# Physics & Astronomy



## Fully funded PhD scholarships for Chinese Students at the University of St Andrews, UK.



Up to 30 scholarships available across the University of St Andrews. Applicants currently studying in China should be in one of China's top 200 universities. Chinese students studying internationally are also able to apply.

**The School of Physics and Astronomy has an internationally recognised set of research programmes in astrophysics, condensed-matter physics, and photonics.**

The research community benefits from major recent investment into its modern well-equipped laboratories, the largest optical telescope in the UK, a class-10,000 cleanroom, ultralow vibration laboratories, an MBE growth facility, an on-site library and technical services including a helium liquefier, machine shop and electronics workshop.

Details of current PhD projects in physics available here:

[http://www.st-andrews.ac.uk/physics/prosp\\_pg/phd/current\\_phd\\_projects.php](http://www.st-andrews.ac.uk/physics/prosp_pg/phd/current_phd_projects.php)

**Applications required by 6<sup>th</sup> December 2015.**

<http://www.st-andrews.ac.uk/study/pg/apply/research/>

圣安德鲁斯大学与中国国家留学基金委合作的奖学金项目将授予40名中国学生奖学金，让这些优秀学子们更好的在圣安德鲁斯大学学习和科研。中国国家留学基金委将会支付攻读博士学位的同学们4年的所有生活日常开销。此新项目旨在每年从中国前200名大学中挑选出最优秀的学生。其中，30名学生将获得全额奖学金并在圣安德鲁斯大学攻读博士学位。另外，还有10名访问学生学者前来圣安德鲁斯大学进行一段时间的访问研究，获得联合培养的机会，之后他们将会在他们就读的中国的大学毕业，并获得证书。

本奖学金的招生将很快全面展开，计划在2016年1月对预录取的学生进行面试考核，面试成功者将在2016年秋季入学。

中国国家留学基金委秘书长刘京辉博士于2015年9月19日，周六访问了圣安德鲁斯大学，并正式签署了合作协议。

圣安德鲁斯大学招生办负责人茱莉（Julie Ramsay）说：

“在校长和副校长去年访问中国之后，我很高兴地欢迎中国国家留学基金委的秘书长刘京辉博士以及主管欧洲事务的力洪主任到访圣安德鲁斯大学。此项合作将支持和鼓励中国最优秀的学生到圣安德鲁斯大学进一步学习和科研，并且增强了圣安德鲁斯大学和中国之间的重要联系。我们相信，获得奖学金的优秀学子们将会在圣安德鲁斯和中国，乃至世界上留下他们的科研的成就。”[ <http://www.st-andrews.ac.uk/news/archive/2015/title,291921,en.php> ]



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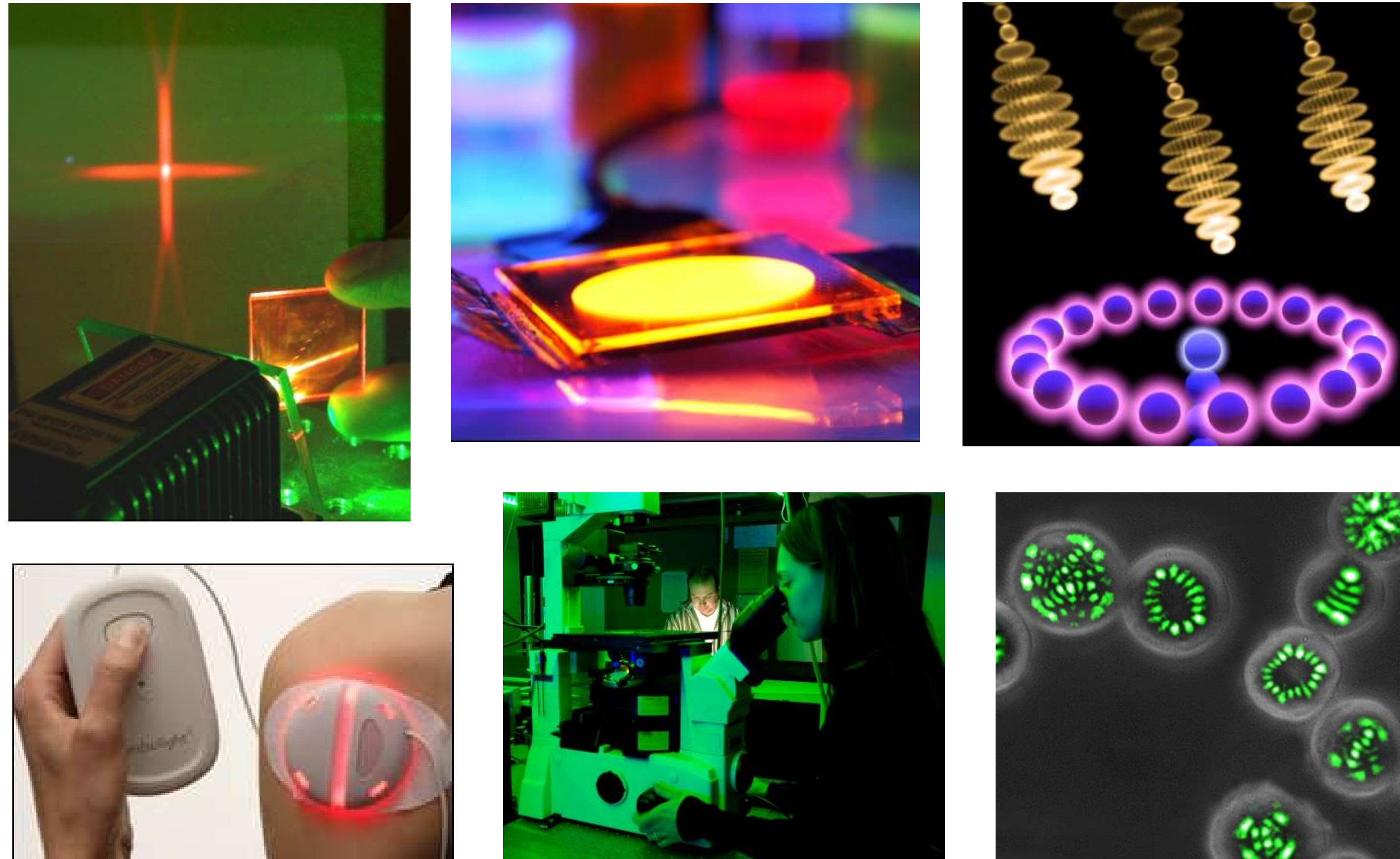
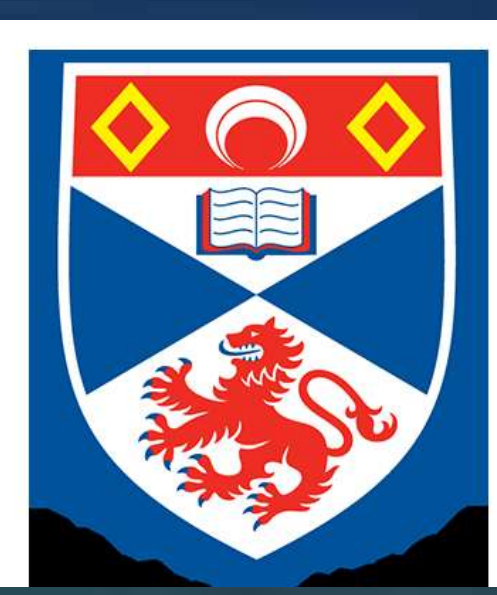
PHYESTA  
PHYSICS AT  
EDINBURGH  
& ST ANDREWS



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email: [physics@st-andrews.ac.uk](mailto:physics@st-andrews.ac.uk)

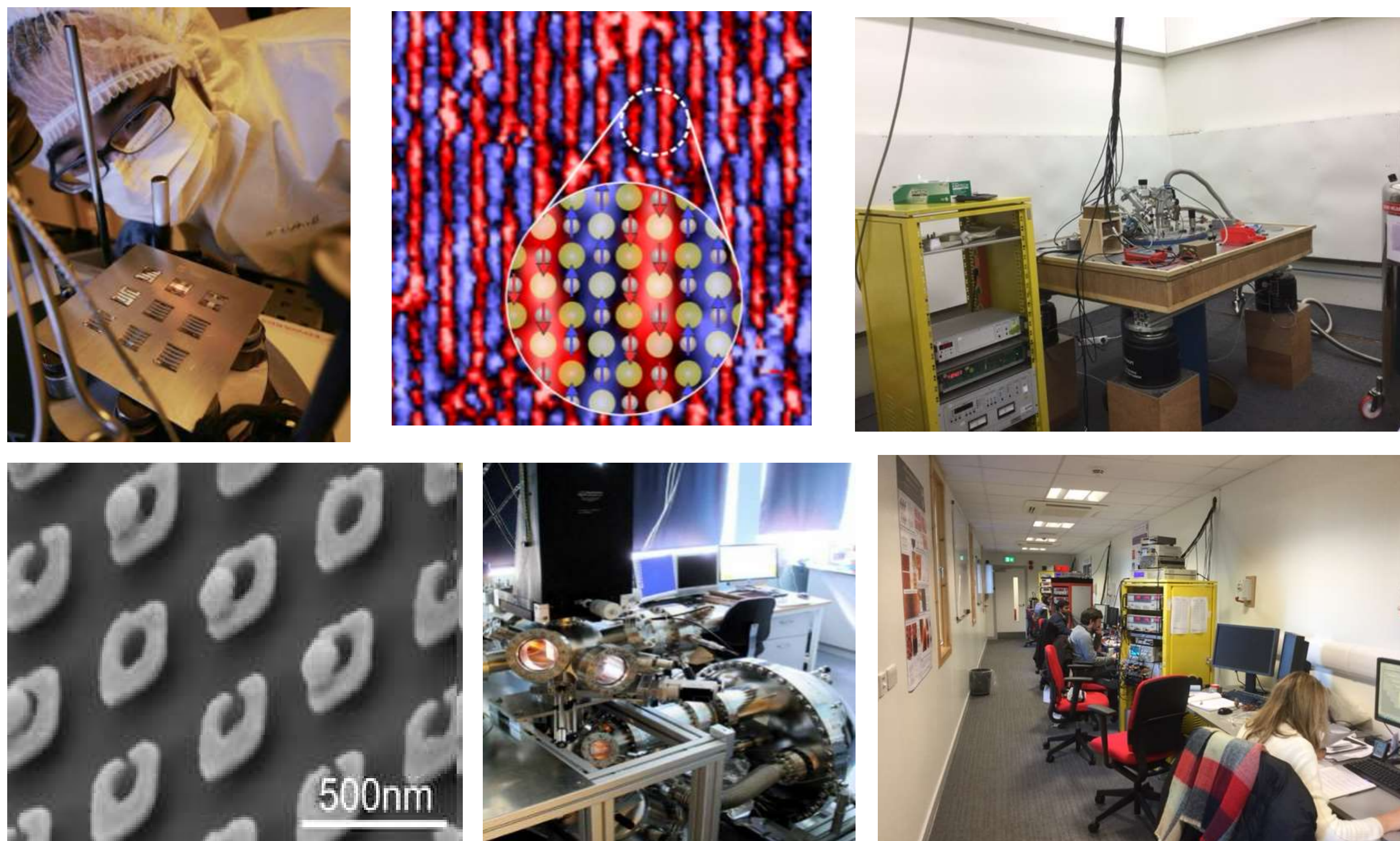


# Physics & Astronomy



## Research

- World leading research groups in **Condensed Matter**, **Photonics** and **Astronomy**
- Major investments in state-of-the-art research facilities: 4 ultra-low vibration laboratories, 2 cleanrooms, MBE growth facilities, 3 telescopes in Australia, Chile and South Africa.
- We have strong industrial connections, with spin-offs including *Photosynergy*, *Ambicare Health* and *Razorbill Instruments*.



## Research links with China

### Recent Research links with China include:

- Prof Wei Huang, **Nanjing University of Technology**: collaboration in organic electronics and functional materials
- **CSC Scholars**: Lishan Zhao, Xin Li
- Royal Society Travel grants with **Sun Yat-Sen University**- Nanophotonics projects between Liam O'Faolain & Dr Juntao Li; Andrea Di Falco & Dr Zhang-Kai Zhou
- EPSRC collaborative Grant with **Changchun Institute of Applied Chemistry** (Prof Ifor Samuel) "Ageing of printable polymer solar cells"
- Visiting scholar Prof Yufang Shen **Guilin University of Technology**, (2014)

## The School

- The School of Physics and Astronomy is part of the Scottish Universities Physics Alliance (SUPA) and PHYESTA
- 40 academic staff
- 76 research fellows
- 86 graduate students.
- **Joint 3rd in UK for research quality** (REF 2014)
- £8.7 M mean annual research grant income (2011-14)

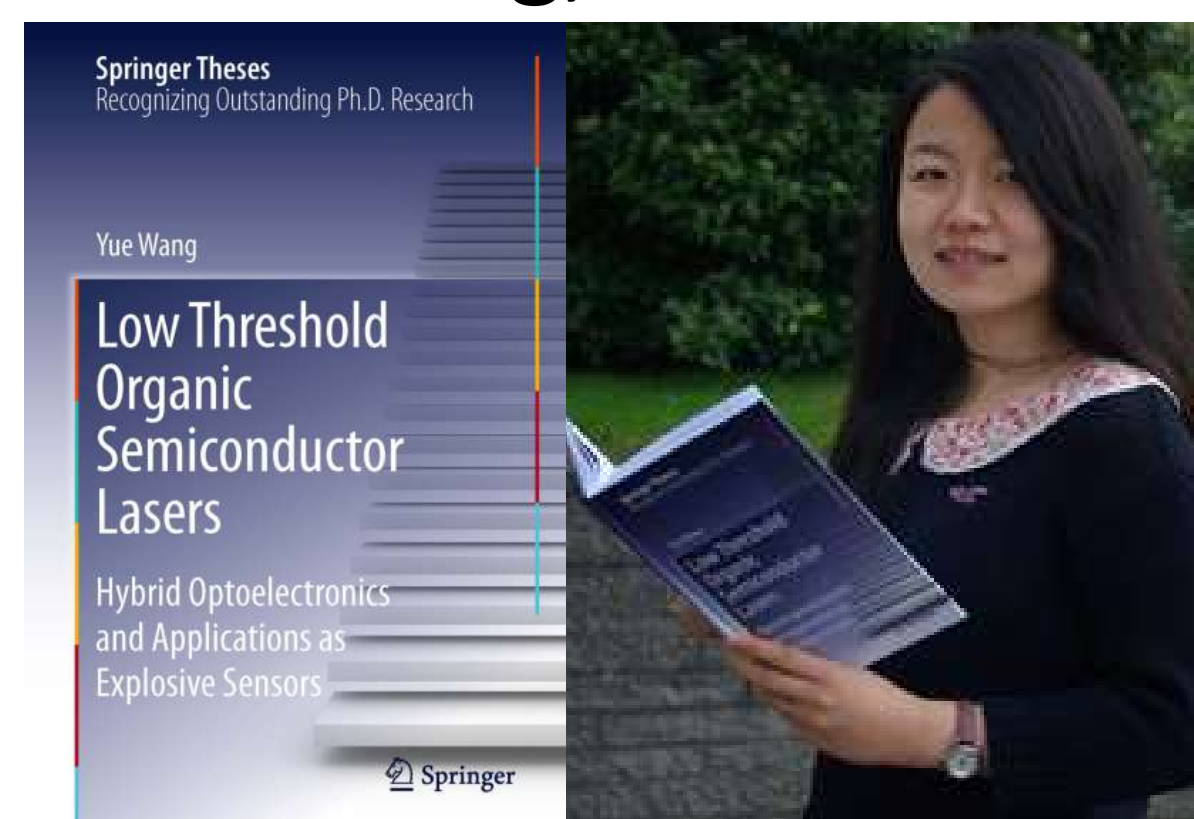


## Graduate Courses

- University is the top Scottish University in the 2015 Times University guide, and actively fosters innovation in teaching and learning.
- The School offers courses at undergraduate & graduate levels  
Graduate programs include:
  - **3.5 year PhD programme in all research areas**
  - **Taught MSc in Photonics & Optoelectronic Devices**
  - **Condensed Matter Doctoral Training Centre (4 year)**
  - **Applied Photonics Centre of Doctoral Training (EngDoc) in collaboration with industrial partners (4 year)**
- Our many photonics, electronics and computational teaching laboratories and the University Observatory grant a research-led, hands-on learning experience to the students.

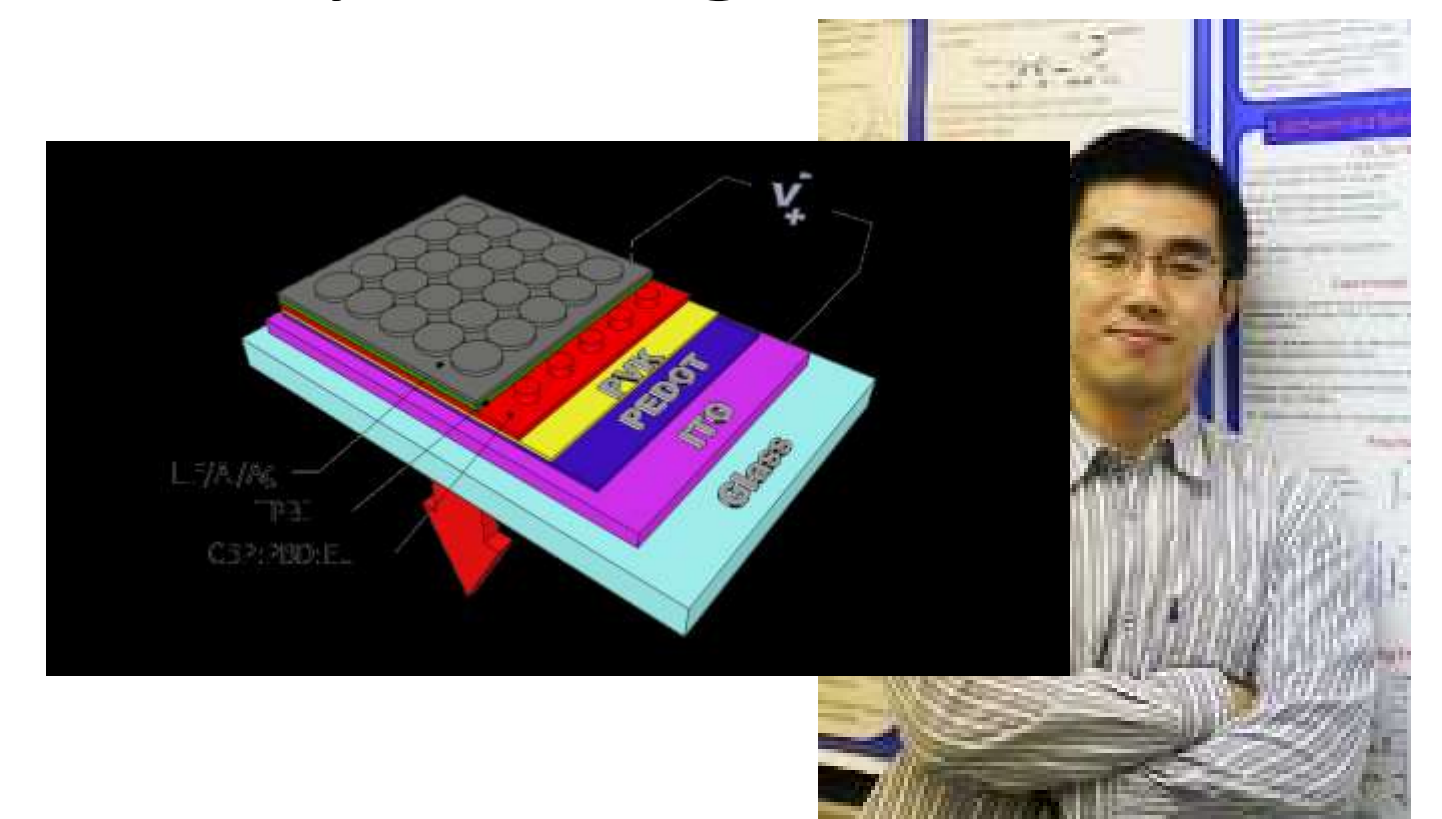
### Examples of successful PhD graduates:

Yue Wang, PhD 2012



- 3 international conference prizes (2011-2012)
- Springer Thesis Prize (2013)

Shuyu Zhang, PhD 2014



- SUPA Prize studentship (2011-14)
- Research featured as *APL Editor's Pick* (2013) & *MRS Materials News* (2014)
- Faculty Position **Fudan University** (2015)



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