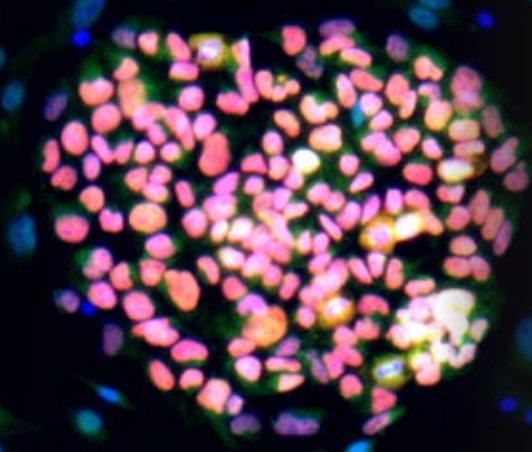


Advancing
future health.

MRes in Stem Cells,
Development and
Regenerative Medicine



Research into early human development and fundamental stem cell biology is pivotal for the development of stem cell therapies for regenerative medicine.

- An exciting opportunity to develop advanced scientific, research and transferable skills required for you to become an independent researcher.
- Work within vibrant and thriving interdisciplinary research programmes that harness the translational strength of the University, together with an outstanding clinical infrastructure and enterprise to translate pioneering developmental and stem cell science for patient benefit.

What does our MRes in Stem Cells, Development & Regenerative Medicine provide?

During the one year, full time programme, MRes students will undertake taught modules in:

- **Stem Cells, Development & Regenerative Medicine**

Students will be introduced to core concepts through a series of facilitator-led workshops focussing on key research publications. Students will critically appraise primary research papers and develop the skills required to understand, critique and interpret research findings. The requirement for students to present their thoughts and participate in facilitated group discussions will be integral to these workshops.

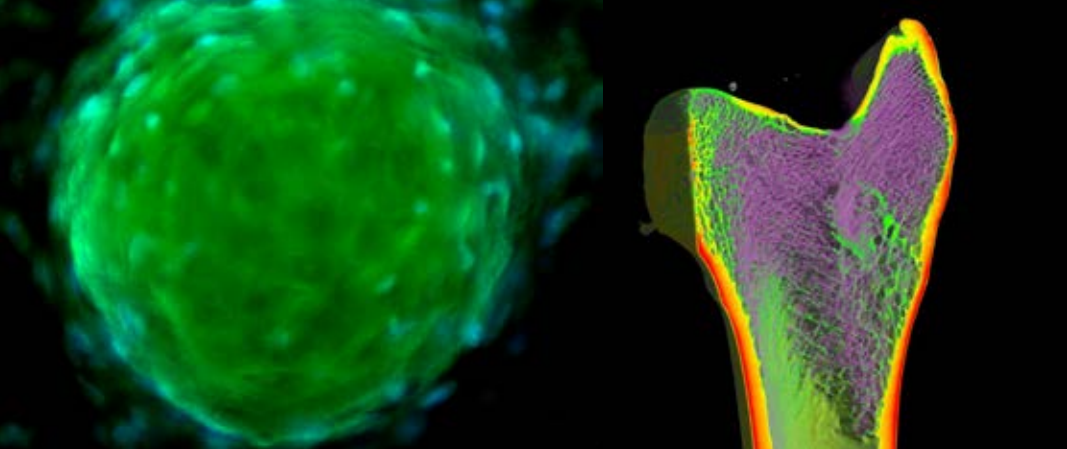
- **Research Skills in Biomedical Sciences**

A combination of taught and practical sessions will be used to introduce students to the core concepts underlying statistical analysis and study design. This will inform your own data analysis and critical appraisal of data published by others.

- **Advanced Scientific Skills**

A series of taught and practical sessions will introduce students to additional core concepts used in Biomedical Sciences such as the analysis and critical appraisal of large data sets. In addition, key principles required to relay research to both a scientific and lay audience will be introduced. Students will write both a scientific and lay abstract for a published primary paper and give a research presentation suitable for a lay audience. Thus, students will develop the skills required to communicate their research to both scientists and non-specialists.

Students will undertake **two research projects totalling 32 weeks**. You will be introduced to a range of laboratory skills gaining valuable practical experience of research methodology, experimental design, data interpretation, *viva voce*, scientific writing, oral and poster presentations. You will be supervised by internationally recognised Academic researchers in the Centre for Human Development, Stem Cells & Regeneration www.stemcells.org.uk



Who should apply?

High-achieving Biological/Biomedical Science graduates interested in developing further laboratory based research skills and subject specific knowledge before committing to a PhD programme, or a career in academia, industry, government policy or science journalism.

How will this MRes enhance your career prospects?

In addition to providing broader training in the intellectual and practical bases of scientific research in Stem Cells, Development and Regenerative Medicine, the course will develop your transferable skills including time and project management, public speaking, critical appraisal and scientific writing, thus aiding employability for a variety of careers.

“The Centre provides a stimulating, multidisciplinary research environment offering exciting collaborative opportunities for translational, regenerative and stem cell science for our MRes students.”

Professor Richard OC Oreffo Director CHDSCR

How to apply

Applications should be made online via our website www.southampton.ac.uk/stemcells which also contains details on entry requirements and fees. Bursaries may be available.

Start date

September/October

Programme Leader

Dr Francesca Houghton

Contact us

Tel : +44(0) 23 8120 6685

Email: stemcells@soton.ac.uk

www.southampton.ac.uk/stemcells

“The lecturers and project supervisors were always there to offer guidance, support and advice to ensure that by the end of the course you are a fully independent, confident and skilled research scientist.”

Sophie Arthur MRes

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