Stem Cells and Translational Neurology

University of Edinburgh

Venues

Off Campus

Content

Dementia (including a raft of neurodegenerative diseases such as Alzheimer's Disease) has recently become the leading cause of death in the UK. Stem cells are a novel and relatively young branch of scientific research that hold the potential for not only therapies but to be able to accurately model these distinctly human diseases.

This programme is designed for medical and/or scientific professionals and aims to introduce students to the fields of neurodegenerative diseases, stem cells, industry and emerging therapeutic opportunities in regenerative / translational neurology. Overall students will gain the knowledge and understanding of the clinical, real-life impact and scientific realities of these fields and thus advance their own learning and be able to carry this forward into their future careers.

Therefore students will be introduced to a range of topics as they progress through the programme from introducing the basic anatomy, structure and development of the central nervous system, a critical understanding of stem cells including sources, locations and roles, an introduction to multiple neurodegenerative diseases (such as Alzheimer's, Motor Neurone Disease and Parkinson's disease), from both clinical and patient angles, before being introduced to in vitro and in vivo modelling of these diseases, neuroimaging techniques, stem cells and industry.

You can exit at the end of 2 years with PgCert Stem Cells and Translational Neurology.

You can exit at the end of 4 years with PgDip Stem Cells and Translational Neurology.

You can exit at the end of 2 years with PgProfDev Stem Cells and Translational Neurology.

Start Date

September, January

Qualification

Postgraduate Master's

Study Method

Distance and Flexible learning

Award Title

MSc

Course Length

3-6 years

Faculty

College of Medicine and Veterinary Medicine

Department

Edinburgh Medical School

Entry Requirements

A UK 2:1 honours degree, or its international equivalent, in neuroscience, anatomy, physiology, pharmacology, physics, medicine, biology or a related science discipline.

Your application may also be considered if you have relevant work experience; work experience must be in a related scientific area for example hospital or research laboratories (preferably based around stem cells) for 3 or more years. Please contact the programme team to check before you apply. You may be admitted to certificate level only in the first instance.

SCQF Level

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