

2010 PhD Studentships

The NIMR has been at the forefront of international excellence in basic biomedical research for more than 80 years and its scientists, including students, have contributed to the prevention and improved treatment of many serious diseases and increased understanding of human health.

We are looking for exceptional students to join our 3 year postgraduate programme commencing in September 2010. Successful students will receive an annual tax-free stipend of at least £15480 and payment of their tuition fees*

Genetics and Development

Pattern formation in the vertebrate nervous system
James Briscoe

Regulation of glucose metabolism by Mec1, the budding yeast ortholog of ATM.
Rita Cha

Determining the conserved regulatory code for vertebrate embryogenesis
Greg Elgar

Predicting functional relationships from analysis of gene expression patterns
Mike Gilchrist

SOX2, SOX9 and pituitary progenitors/stem cells
Robin Lovell-Badge

Understanding vertebrate liver formation
Elke Ober

Molecular and genetic control of cortical interneuron development
Vassilis Pachnis

Apoptosis control in a disrupted epithelium
Jean-Paul Vincent

Noise in developing systems
Jim Smith

Regulation of the maintenance and differentiation of progenitor cells
David Wilkinson

Analysis of *X. tropicalis* ciliary mutations
Lyle Zimmerman

Neurosciences

Modulation of endothelial cell secretory function by malaria infected erythrocytes
Tom Carter

Sensory integration in cortical neuronal networks
Troy Margrie

*Eligibility requirements apply

Immunity and Infections

DNA repair in *Mycobacterium tuberculosis*
Elaine Davis

Proteome-wide discovery of biomarkers of severe malaria anaemia progression
Delmiro Fernandez-Reyes

Restriction studies with ancient retroviruses
Jonathan Stoye

B-cell recognition of viral epitopes
Pavel Tolar

Signal transduction in T cells through the antigen receptor
Victor Tybulewicz

The role of neutrophils in the response to infection by influenza virus
Andreas Wack

Structural Biology

Structural analysis of kinases involved in programmed necrosis
Paul Driscoll

Modelling the evolution of pathogens
Richard Goldstein

Chemical synthesis of proteins
John Offer

Testing the hypothesis of frataxin as a gate-keeper of Fe-S cluster formation in eukaryotes
Annalisa Pastore

Molecular basis of miRNA biogenesis regulation
Andres ramos

Imaging proteins, viruses, and cells by cryomicroscopy
Peter Rosenthal

RNA processing factors
Ian Taylor

Protein structure prediction with NMR data
Willie Taylor

Details on each of the projects, eligibility requirements and how to apply can be found at
<http://www.nimr.mrc.ac.uk/phd>

The closing date for applications is 27th November 2009

Interviews will be held 14-15th January 2010

Enquiries: student@nimr.mrc.ac.uk