Raine Visiting Professor Lecture Series

Dr Adam Giangreco
University College London

will present a Raine Lecture entitled:

The best laid schemes of airway repair

on

Monday, 27 October 2014: 12 noon – 1.00pm

in the

McCusker Auditorium
Harry Perkins Institute of Medical Research
QEII Medical Centre

All welcome

After graduating with BSc and MSc degrees in Biology and Toxicology from the University of Rochester (1995–2001), Adam Giangreco completed a PhD in cell biology at the University of Pittsburgh with Professor Barry Stripp (2001–2004). This work led to the first identification of stem cells within mammalian conducting airways. Adam was then awarded US NIH and US-UK Marshall Sherfield Postdoctoral Fellowships to continue his training at Cancer Research UK and the University of Cambridge (2004–2009). During this time, he made several key discoveries regarding the molecular mechanisms governing skin regeneration and ageing. Subsequently, Adam was recruited to the Lungs for Living Research Centre at University College London where he is now a Principal Research Investigator. Adam’s work is funded by major awards from the European Research Council and the UK Biotechnology and Biological Sciences Research Council. His lab is composed of a diverse group of scientists who are interested in understanding how airway repair and regeneration controls respiratory health. The ultimate aim of their research is to identify the cells and strategies responsible for maintaining airway homeostasis in order to develop new clinical interventions for improving lung repair and treating disease.

The Seminar - Chronic airway diseases including COPD (chronic obstructive pulmonary disease) and lung cancer are leading causes of worldwide mortality with annual healthcare costs of billions of pounds. Despite this, there have been only a few therapeutic advances in these conditions over the past 20 years. Using evidence from human patient samples, transgenic animal models, and cell and molecular biology studies Adam will identify and characterize airway stem and progenitor cells in lung health and disease. He will discuss key pathways that control normal and abnormal growth of these airway progenitor cells, and suggest how targeting these pathways using new and existing therapies has the potential to improve lung cancer and COPD patient outcomes.

University Host:
Winthrop Professor Geoffrey Laurent
Centre for Cell Therapy and Regenerative Medicine,
School of Medicine and Pharmacology
Telephone: 6151 0957

Lyn Ellis
Raine Medical Research Foundation
Telephone: 08 9386 9880
Email: llellis@uwa.edu.au