

IGM Open Day 13.07.16

Programme:

09:00-09:30 Arrival and registration

09:30-10:30 Short seminars (Institute of Genetic Medicine (IGM) seminar room)

09:30-09:35 Welcome (Dr Katarzyna Pirog, IGM Public Engagement Committee)

09:35-10:00 Heart development and function (Dr Bill Chaudhry, IGM)

10:00-10:25 Heart regeneration and failure (Dr Gavin Richardson, IGM)

10:25-10:35 Refreshments break

10:35-11:00 Heart disease and complications (Dr Kasia Piróg, IGM)

11:00-11:45 meet the patient

11:45-12:45 Lunch (IGM seminar room)

12:45-15:30 From bedside to the lab - Hands on diagnostic workshops (IGM researchers)

- 1 career session (*informal chat about scientific careers, student life and applying to the university*)
- 2 DNA lab (*run a diagnostic agarose gel and identify the affected individuals in the family*)
- 3 genetic counselling lab (*draw a pedigree and identify the pattern of inheritance in the affected family*)
- 4 histopathology lab (*analyse tissues from affected and unaffected individuals, note specific disease features*)
- 5 animal models of human disease (*use of animal models in research; how they compare to human samples*)

15:30-16:00 5 min PhD thesis (overview of IGM research)

16:00-16:15 Closing remarks (Dr Kasia Piróg, IGM)



**Newcastle
University**

**Institute of
Genetic Medicine**