William Harvey Research Institute (WHRI) Work Experience Programme
Monday 8th - Friday 12th July 2019

Each day will run from 10am-4pm with lunch between 12:30pm-1:30pm

DAY 1

• Welcome / Introduction

• Talk by WHRI director – Research activities at the WHRI

• Tour of Barts Hospital – Pharmacy and MRI scanner

• Hands on practical experience of working within a laboratory

• Participants will gain experience in:
  - Pipetting
  - Calculating drug concentrations
  - Use of a colorimeter
  - Determining the concentration of an unknown sample
  - Students will work in groups of 2/3 and will be supported by staff members throughout

DAY 2

• Further hands on practical experience of working within a laboratory – this session will build on the previous days activities

• Analysis of laboratory results

• Talks from PhD students will cover the individual's educational background, their career to date and an overview of their current research
DAY 3

• Tour of the William Harvey Clinical Research Centre – This tour will provide an insight into the running of clinical trials and students will have the opportunity to interact with clinical trial patients

• Demonstrations of clinical measurements of blood pressure, blood flow and ultrasound of the heart

DAY 4

• Talks from lecturers and professors - The talks will be from basic scientists and clinical researchers and will cover the individual’s educational background, their career to date and an overview of their current research. This will give an insight into career progression from a scientific or a medical background. (10am and 1:30pm lasting for 45minutes)

• Participants will have the opportunity to shadow PhD students/Post-doctoral researchers currently working within the WHRI (11am-12:30pm) and (2:30pm-4pm)

• Students will be able to observe various experimental techniques across the disciplines of cardiovascular, inflammation and endocrinology research

• Additionally, students will have the opportunity to have informal chats with various staff members about their educational backgrounds and careers to date

DAY 5

• Queen Mary University of London admissions talk - undergraduate/post-graduate options (10am)

• Barts Charity talk - Learn how, through their funding schemes, research and innovative healthcare initiatives which improve patient care are supported (10am)

• Genomics England talk – Learn about the importance of DNA sequencing

• Summary of week – final questions/queries

Programme is subject to change