



## Evolutionary and ecological genomics: A master class

Presented by Prof John Willis & Dr Jessica Shelby (Duke University, NC, USA)

29<sup>th</sup> June – 3<sup>rd</sup> July, 2015

*Sponsored jointly by the Centre for Genome-Enabled Biology and Medicine, and Institute of Biological and Environmental Sciences*

*All Lectures and Workshops to be held in the James Scotland Suite, MacRobert Building*

### Monday, 29<sup>th</sup> June

- 9:00 – 9:15 Opening Remarks (David Salt)  
9:15 – 10:15 Lecture: *Why an evolutionary biologist studies genomes*  
10:15 – 10:30 Tea/Coffee  
10:30 – 12:00 Panel discussion  
12:00 – 1:00 Lunch  
2:00 – 4:00 *One-on-one meetings with interested faculty and graduate students in offices or labs.*  
5:00 onwards Refreshments in the Machar then dinner

### Tuesday, 30<sup>th</sup> June

- 10:00 – 12:00 Workshop: *A beginner's guide to using RNA-seq, Genome-seq and genome-enabled genetics in evolutionary and ecological biology.* Includes Elaina Collie-Duguid, Brennan Martin and bioinformaticians from CGEBM.  
10:00 Tea/Coffee  
12:00 – 12:45 Tour of Centre for Genome-Enabled Biology and Medicine's NGS capacity

NextGen Bioinformatics User Group meeting (<https://genomics.ed.ac.uk/ngbug/welcome>) ALL WELCOME

- 12:30 – 1:30 Lunch  
1:30 – 2:30 Lecture: *How we developed genomic resources for Mimulus, a group of wildflowers well suited for studying the genetic basis of adaptation and speciation* (John Willis)  
2:30 – 2:50 Lecture: *Transcriptional reprogramming of Trichoderma hamatum GD12 during antagonistic interactions with Sclerotinia sclerotiorum in soil* (Sopie Shaw CGEBM bioinformatician)  
2:50 – 3:10 Lecture: *Exploring causes of false positive SNPs in NGS data* (Antonio Claudio Bello Ribeiro CGEBM bioinformatician)  
5:00 onwards Refreshments at Las Iguanas, Union Square.

### Wednesday, 1<sup>st</sup> July

- 9:00 – 12:00 *One-on-one meetings with interested faculty and graduate students in offices or labs*  
2:00 – 2:15 Opening Remarks (David Johnson)  
2:15 – 3:15 Lecture: *Is genomics more than just a technique?*  
3:15 – 3:45 Tea/Coffee  
3:45 – 5:00 Panel discussion  
5:00 onwards Refreshments in the Machar then dinner

### Thursday, 2<sup>nd</sup> July

- 9:00 – 12:00 *One-on-one meetings with interested faculty and graduate students in offices or labs*  
2:00 – 5:00 Workshop: *Project idea development – bring an idea and develop it with the experts.* Includes Elaina Collie-Duguid, Brennan Martin and bioinformaticians from CGEBM.  
3:00 – 3:30 Tea/Coffee  
5:00 onwards Refreshments in the Machar then dinner

### Friday 3<sup>rd</sup> July

- 2:00 – 2:15 Opening Remarks (David Salt & David Johnson)  
2:15 – 3:15 Lecture: *What have we learned?*  
3:15 – 3:45 Tea/Coffee  
3:45 – 5:00 Panel discussion (including local participants)  
5:00 onwards Refreshments in the Machar then dinner