

## Yorkshire Universities Evolutionary Group Meeting 2019

**Locations:** Registration and all breaks will be in the atrium. All talks will be in the K018 lecture theatre, adjoining the atrium.

**Talks:** Talks have 20 minute slots. Please talk for 15 minutes and allow 5 for questions. Please arrange your slides with the session chair in the break before the session.

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**09.00** Registration, tea/coffee and biscuits.

**09.25** Welcome. Kanchon Dasmahapatra, York  
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**Session 1** Chair: Ville Friman (York)

**09.30** European phylogeography of *Apodemus flavicollis* and *Apodemus sylvaticus* based on whole genome genotyping using RAD-seq.  
Jarek Bryk, Huddersfield (PI)

**09.50** Post-Roman Iberia: a genetic journey back and forth.  
Gonzalo Oteo-Garcia, Huddersfield (PhD)

**10.10** Competition for resources can promote the divergence of social learning phenotypes.  
Tucker Gilman, Manchester (PI)

**10.30** Using population genomics approaches to understand population dynamics in visceralising *Leishmania* species worldwide.  
Sarah Forrester, York (PDRA)

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**10.50 - 11.20** Coffee  
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**Session 2** Chair: Africa Gomez (Hull)

**11.20** The role of the Epigenome in plastic responses to rapidly changing social environments.  
James Rouse, Leeds (PDRA)

**11.40** From ancient DNA to ancient cities in 5 seconds.  
Eran Elhaik, Sheffield (PI)

**12.00** Patterns of codon usage in the transposable elements of the choanoflagellate *Salpingoeca rosetta*.  
Martin Carr, Huddersfield (PI)

**12.20** Evolution of male sex pheromones in *Heliconiini* butterflies.  
Bruna Cama, York (PhD)

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**12.40 – 13.40** Lunch and posters  
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**Session 3** Chair: Jarek Bryk (Huddersfield)

**13.40** Gene expression profiling of aposematism in *Anisomorpha* stick insects.  
Victor Soria-Carrasco, Sheffield (Res. Fellow).

**14.00** Genetics and condition-dependence of structural colour in *Heliconius* butterflies.  
Melanie Brien, Sheffield (PhD)

**14.20** The evolution of wing shape in a group of mimetic butterfly species.  
Lucie Queste, York (PhD)

**14.40** Transitions in sexual system and comparative genomics of sex chromosomes  
Africa Gomez, Hull (PI)

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**15.00 – 15.30** tea/coffee and cake.  
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**Session 4** Chair: Stuart Campbell (Sheffield)

**15.30** Genomic recurrence of environmental adaptation in lizards and other vertebrates.  
Katharina Wollenberg Valero, Hull (PI)

**15.50** Phage-bacteria coevolution in the rhizosphere: consequences for microbiome. functioning and plant disease outbreaks.  
Ville Friman, York (PI)

**16.10** Codon usage in holozoan protists  
Juan José Ginés Rivas, Huddersfield (PhD)

**16.30** The late stages of speciation in *Littorina* snails  
Sean Stantowski, Sheffield (PDRA)

**16.50** Close  
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**Posters:**

The dimensionality of selection in speciation: an ongoing evolution experiment.  
Nathan White (Sheffield, PhD).

Heritability of intra-individual variation in body temperature in the wild yellow-necked mouse, *Apodemus flavicollis*.  
Rohan Raval (Huddersfield, PhD).

Martina Stoycheva (York, PhD).  
Population genomics of the opportunistic plant pathogenic bacterium *Ralstonia solanacearum* in the world and the UK: evolutionary analysis in space and time.

Evie Farnham (York, PhD)  
Evolution, virulence and dispersal of bacterial plant pathogen *Ralstonia solanacearum* in the UK.

Deborah Dawson (Manager of NBAF-Sheffield)  
NBAF-Sheffield - Funded access to consumables, facilities and training for UK environmental researchers.