



**Monday 13<sup>th</sup> June**

**The Ridge, The Ranmoor Village**

9.00 registration and welcome (with refreshments)

**9.30 Simon Martin** (Cambridge) - Species boundaries among *Heliconius* butterflies reflect the genetic architecture of speciation

**9.50 Ana Pinharanda** (Cambridge) - The comparative landscape of duplications in *Heliconius melpomene* and *Heliconius cydno*

**10.10 John Davey** (Cambridge) Fine-scale recombination maps show no major inversions between sympatric *H. melpomene* and *H. cydno* populations

10.30 Break

**11.00 Mathieu Joron** (Montpellier) - Inversion polymorphism changes the rules of speciation in a mimetic butterfly

**11.20 Paul Jay** (Montpellier) - Supergene evolution favoured by the introgression of an inversion in *Heliconius*

**11.40 Suzanne Saenko** (Paris) - Characterization of the wing colour patterning supergene in *Heliconius numata*

**12.00 Joe Hanly** (Cambridge) - Mimicry in the Making: the genetic basis of convergent evolution in *Heliconius* wing patterns

12.20 Discussion

12.30 Lunch

**13.45 Victor Soria-Carrasco** (Sheffield) - Genomic dynamics of speciation in *Timema* stick insects

**14.15 Neil Rosser** (York) - Reproductive isolation and geography in *Heliconius elevatus* and *Heliconius pardalinus*

**14.30 Lucie Queste** (York) - Characterising Reproductive Barriers Between Three Closely Related *Heliconius* Butterfly Taxa

**14.45 Bruna Cama** (York) - Genetic analysis of wing pattern and pheromone composition in two sister species of *Heliconius* butterflies

15.00 Break

**15.30 Thomas Aubier** (Montpellier) - Identifying the nature of mimicry among prey with unequal defences

**15.50 Érika Castro** (Copenhagen) - You are what you eat: cyanogenic glucosides in *Heliconius* and closely related genera

**16.10 Gilbert Smith** (Irvine) - Gene duplication and gene expression changes play a role in the evolution of candidate pollen feeding genes in *Heliconius* butterflies

16.30 Discussion

17.00 Posters and drinks reception

18.00 Barbecue

20.00 Quiz



# Heliconius

SHEFFIELD 2016

Tuesday 14<sup>th</sup> June

The Ridge, The Ranmoor Village

9.00 Sujai Kumar and Richard Challis (Edinburgh) - lepbase workshop

10.30 Chris Jiggins (Cambridge) - Earthscape database for *Heliconius*

10.40 Break

11.10 Mauricio Linares (Rosario) - The Jose Celestino Mutis International Experimental Field Station for Lepidoptera Research

**11.20 Jennifer Hoyal Cuthill** (Cambridge and Tokyo Institute of Technology) - Coevolution of *Heliconius* butterflies: evidence and outstanding questions

**11.40 Jake Morris** (York) - Population genomics of a multi-species mimetic hybrid zone

**12.00 Emma Curran** (Sheffield) - Comparing parallel clines of a polygenic iridescence trait in mimetic butterflies

12.20 Discussion

12.30 Lunch

**13.50 Anja Westram** (Sheffield) - The genomic basis of ecotype divergence in *Littorina* snails

**14.20 Mónica Arias** (Paris) - A computer game to explore the evolution of adaptive variations in mimetic colour patterns

**14.40 Violaine Llaurens** (Paris) - Polymorphic mimicry as an evolutionary dead-end? Lessons drawn from the genetic architecture of mimetic coloration in Cuckoo finch

15.00 Break

**15.30 Richard Merrill** (Cambridge) - Genetic modularity of mate recognition behaviours and their warning pattern cues

**15.50 Stephen Montgomery** (UCL) - Brains over beauty: *Heliconius* neuroecology

**16.10 Marianne Elias** (Paris) - The Ithomiini: the other mimetic butterflies

16.30 Discussion and closing thoughts

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