

2nd UK RAD Sequencing Meeting

National e-Science Centre
15 South College Street, Edinburgh

Tuesday 31st August 2010

MORNING SESSION

09:00 - 09:30 REGISTRATION

09:30 - 09:50 Dr John Davey (Edinburgh)

Welcome and News from the GenePool

09:50 - 11:00 Dr William Cresko (Oregon)

Restriction-site Associated DNA (RAD) tags: a brief history and recent applications

Dr Susan Bassham (Oregon)

An expanded molecular toolkit for RAD analyses

Dr Paul Hohenlohe (Oregon)

Analytical approaches and bioinformatic tools for RAD analyses

11:00 - 11:30 COFFEE

11:30 - 12:00 Dr Simon Baxter (Cambridge)

Gene discovery, linkage mapping and comparative genomics in Lepidoptera using next-generation RAD sequencing

Dr Maureen Liu (Nottingham)

From RAD to Markers Linked to the Chirality Locus in the Pond Snail, *Lymnaea stagnalis*

12:30 - 14:00 LUNCH

AFTERNOON SESSION

14:00 - 15:00 Dr Josh Shapiro and Dr Justin Gerke (Princeton)

A Survey of Global *C. elegans* Diversity by RAD-Seq

15:00 - 15:15 Dr Matt Hegarty (Aberystwyth)

Developing RAD markers as a resource for plant breeding using the perennial ryegrass *Lolium perenne*

15:15 - 15:30 Dr Pete Kille (Cardiff)

Unearthing the functionally relevant genetic diversity from the earthworm genome

15:30 - 15:45 Dr Pablo Fuentes Utrilla (Edinburgh)

Exploring the use of RAD markers in tree breeding programmes

15:45 - 16:15 COFFEE

16:15 - 16:30 Dr Rob Ogden (TRACE Network, Edinburgh)

RAD Sequencing for applied conservation genetics

16:30 - 16:45 Dr Octavio Paulo (Lisbon)

Adaptive significance and genetic basis of a balanced colour-polymorphism

16:45 - 17:00 Tom Mathers (Hull)

RAD genetic mapping of reproductive mode in tadpole shrimps

17:00 - 17:15 Dr Yannick Wurm (Lausanne)

The genetic architecture of a fundamental social trait

17:15 END OF MEETING