

**Department of Zoology Seminar Series  
School of Natural Sciences**

**Michaelmas Term 2009**

Auk Room, Zoology, 1-2pm Wednesdays

**7<sup>th</sup> October**

*Previous Experience and Current Behavior: Using Individual Contact to Develop Population Structure in Ant Societies or The Gambler's Gambit in *Formica xerophila*.*

**Dr Colby Tanner** (Zoology Department, TCD)

**14<sup>th</sup> October**

*Wiring the brain with semaphorins*

**Dr Kevin Mitchell** (Smurfit Institute of Genetics, TCD)

**21<sup>st</sup> October**

*The Benguelac Current large marine ecosystem programme - an ecosystem approach to ocean governance*

**Dr Michael O'Toole** (Sea Change Management Unit, Co. Galway.)

**28<sup>th</sup> October**

*Studying gene function in zebrafish: from mutants to mechanisms*

**Dr Ralph Dahm** (University of Padova, Padova, Italy)

**4<sup>th</sup> November**

*Emerging chemical contaminants in aquatic ecosystems - from pills to gills*

**Prof Tom Hutchinson** (Environment & Health  
Centre for Environment, Weymouth, UK)

**11<sup>th</sup> November**

**SCHOOL DARWIN SEMINAR (BOTLT 4:00 pm)**

*The implications of eye evolution and the Cambrian explosion*

**Prof Andrew Parker** (Zoology Department, Natural History Museum, London, UK and  
Honorary Research Fellow, Green Templeton College, University of Oxford, Oxford, UK)

**18<sup>th</sup> November**

*Ecology: an emergent property of neural networks*

**Dr Colin Tosh** (Integrative and Comparative Biology, Leeds University, UK)

**25<sup>th</sup> November**

*Sex changes in the marine environment...should we still be worried?*

**Dr Michelle Giltrap** (Zoology Department, TCD)

**2<sup>nd</sup> December**

*Dictyostelium chemotaxis: biochemistry in motion*

**Prof Adrian Harwood** (School of Biosciences, Cardiff University, Cardiff, Wales, UK)

**9<sup>th</sup> December**

*What rots? Understanding decomposition, fossilisation, and interpreting the fossil record*

**Dr Maria McNamara** (School of Geological Sciences  
University College Dublin and Department of Geology and Geophysics, Yale University, USA)