

## Programme: CoMPLEX Student Conference, Cumberland Lodge 2009

### Tuesday 5th May

#### Morning

- 08:45-09:00 Depart CoMPLEX
- 10:30-11:00 Arrive
- 11:00-11:30 Welcome Talk
- 11:30-12:30 Prof. Andrew Pomiankowski: *Are “good genes” theories of sexual selection finally sinking into the sunset?*
- 13:00-14:00 Lunch

#### Afternoon

- 14:00-14:20 Michael Cohen: *Dynamic actin-based protrusions in the emergence of robust large-scale epithelial patterning by lateral inhibition*
- 14:20-14:40 David Fallaize: *Towards large-scale molecular simulations: From molecular dynamics to Brownian dynamics*
- 14:40-15:00 Matthew Caldwell: *Investigating the mechanics of retrograde neurotransmission in the cerebellum*
- 15:00-15:20 Coffee
- 15:20-15:40 Iren Bains: *Modelling T cell population dynamics: Using mathematics to quantify the establishment of the naive T cell population*
- 15:40-16:00 Ed Long: *Without a rudder or a compass: Charting the function of membrane rafts in cell signalling*
- 16:00-16:20 Rosanna Smith: *Structural development of the neuronal network for sound localisation*
- 16:20-17:00 Poster Session A
- 17:00-17:20 Break
- 17:20-18:20 Dr Armand Leroi, Imperial College
- 18:20-19:15 Free Time

#### Evening

- 19:15-20:00 Dinner
- 20:00-21:20 Lord Robert May: *The Nonlinear Dynamics of Network Vulnerability*
- 21:20-01:00 Drinks in bar/Party in basement

**Wednesday 6th May****Morning**

08:15-09:00	Breakfast
09:00-10:00	Dr Max Reuter: Writing fellowship and grant applications
10:00-11:00	Workshop: Computational tools for biological modelling
11:00-11:20	Coffee
11:20-12:00	Poster Session B
12:00-12:30	Dr Christian Franzke, British Antarctic Survey: <i>Is climate interesting?</i>
12:30-13:00	Dr Geraint Tarling, British Antarctic Survey: <i>Ecology and biophysics in the Southern Ocean: some case studies</i>

**Afternoon**

13:00 14:00	Lunch
14:00-15:00	Prof. David Cope, Director of Parliamentary Office of Science and Technology: <i>Parliament and Science</i>
15:00-15:20	Coffee
15:20-15.30	Depart