

Symposium 18: The relevance of invertebrate neuroscience to food security

Theme: Sensory and motor systems

Tuesday 11th April, 13:20 – 15:00

Understanding the neural basis of invertebrate behaviour has never been more important as the world faces the challenge of feeding its growing population with increasingly urgent constraints on the environmental impact of chemical control measures. This symposium will bring together neuroscientists working on different species of pest and beneficial invertebrates who have overlapping interests in how these organisms respond to cues in their environment to regulate their behaviour.

Chair: Professor Vincent O'Connor (University of Southampton)

Speaker 1: Dr Paul Sternberg (Caltech, USA)

'Cue-dependent behaviours in parasitic nematodes'

Speaker 2: Dr Swidbert Ott (University of Leicester)

'Phase transition in locust'

Speaker 3: Professor Geraldine Wright (Newcastle University)

'Food choice in bees'

Speaker 4: An early career researcher selected from abstract submissions.