



Image Courtesy of Mr Kevin Purdy

First Circular and Call for Papers

Sunday 9 - Thursday 13 September 2007

Neurotox'07

University of Portsmouth, UK



Jointly organised by the
SCI BioActive Sciences Group and
SCI PEST Management Group
in association with
The Royal Entomological Society



Introduction

This international conference is the seventh in the series and is concerned with the actions and toxicology of drugs and pesticides on the nervous system. It is organised by the BioActive Sciences and Pest Management Groups of the SCI in association with the Royal Entomological Society. The scientific programme is arranged around a number of themes and comprises invited and offered papers. In addition there will be a poster session.

Themes of Neurotox '07

CALL FOR PAPERS

Oral and poster presentations are invited for the following sessions:

Tropical pest toxicology and genomics

Recent advances in the control of tropical pests made by exploiting the genome sequences of vectors will be presented and discussed in terms of the rational design of new neurotoxicants with greater specificity for the pest species.

Crop pest toxicology and genomics

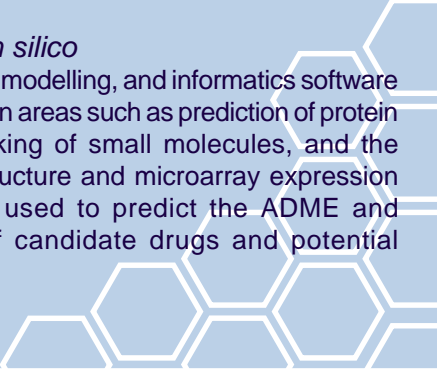
This theme will contain presentations and discussions on the use of genomic techniques to understand the mode of action of pesticides for crop pests and to provide a basis for resistance management and the design of new toxicants.

Parasite neurotoxicology and drug resistance

This aspect of the conference will concentrate on the neurobiology of internal and external parasites and the development of chemical control strategies that target the excitable systems of these pests. Recent advances in the molecular neurobiology of parasites will be a highlight of this theme.

Molecular toxicology in silico

Tools based on molecular modelling, and informatics software have been widely applied in areas such as prediction of protein structures, *in silico* docking of small molecules, and the analysis of molecular structure and microarray expression data. These are being used to predict the ADME and toxicological profiles of candidate drugs and potential toxicants.



Vertebrate neurotoxicology

The use of neurotoxicants to control parasites and arthropod pests raises concerns about their potential actions on vertebrate nervous systems. Recent findings in this area of vertebrate neurotoxicology will be presented and measures to improve their risk-assessment will be discussed.

Recent advances in toxinology

This session will explore the discovery of new neurotoxins from animal, plant and microbial sources that may provide pesticide and drug leads, as well as reporting new findings regarding the mechanism of action of known neurotoxins.

To submit a paper, please send an abstract (maximum length 400 words) to nicole.honeyghan@soci.org

Please indicate whether an oral or poster presentation is preferred and which session it should be considered for.

Closing date: Friday 4 May 2007

Please note that acceptance of abstracts will be conditional of fully paid registration prior to the conference.

Aims of the Conference

Neurotox'07 will present the latest research in a number of related areas of neurotoxicology where applications of genomics, computational biology and molecular biology are rapidly advancing our knowledge of nervous system development, organisation and function, and are also enhancing our understanding of the sites and modes of action of neurotoxicants. The conference will bring together scientists involved in basic research with those applying this work to tackle problems of resistance to drugs and pest control agents. The use of invertebrate and vertebrate models to investigate the differential toxicity necessary for developing novel pest control agents will be discussed. Neurotox'07 aims to disseminate state-of-the-art research in nerve function and neurotoxicology and elucidate ways in which this can be used to improve the control of parasitic diseases and invertebrate pests, particularly in tropical areas where these have significant impact on the quality of human life. The programme will be of interest to all neuroscientists and other researchers developing neuroactive molecules, including toxicologists from industry, research organisations, governmental laboratories and managers who wish to obtain an overview of this exciting field.

If you are interested in exhibiting at this event please complete the attached reply form and return to:

Nicole Honeyghan,
SCI, 14/15 Belgrave Square, London, SW1X 8PS

Organising Committee

Chairperson	Peter Usherwood, University of Nottingham
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Royal Entomological Society Organiser	Lin Field, Rothamsted Research

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Prof Dalia Gordon	Tel-Aviv University; Israel.
Prof Fumio Matsumura	University of California; USA.
Prof Chen-Zhu Wang	The Chinese Academy of Sciences, Beijing; China.

Benevolent Fund Bursaries

A limited Number of Bursaries are available to SCI members for this event. For further information, please visit:

<http://www.soci.org/BFbursaries>



Venue

The conference will be held on the Guild Hall Campus at the University of Portsmouth, UK. This central venue provides modern lecture theatres and poster presentation facilities, all a stone's throw from the sea. Portsmouth has a fascinating maritime history and the Historic Dockyard with HMS Victory, the Mary Rose and HMS Warrior is within walking distance of the campus. The nearby Gunwharf Quay is the centrepiece of Portsmouth Harbour and includes designer stores, cinema, comedy club, bowling alley and many bistros and bars. The Spinnaker Tower is also in Gunwharf and reflects the flavour of Portsmouth old and new standing side by side.

Accommodation

Delegates will stay in Rees Hall, just fifteen minutes walk from the University campus and two minutes walk from the beach. Southsea is a Victorian seaside resort. There are four miles of coastline enhanced by open spaces, parks and gardens. A paradise for those early morning joggers! Rooms are single study bedrooms with en-suite facilities.

Travel

Portsmouth is a one and a half hour train journey from London Waterloo, and is accessible from both London Heathrow and Gatwick airports. The city is well served by motorways and the nearest airport is Southampton Parkway, which receives some domestic and international flights.

Fees

Registration and accommodation costs at the university will be given in a second circular and announced at www.soci.org. To receive the second flyer, please complete the attached form and return it to:

Miss Nicole Honeyghan
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14/15 Belgrave Square
London, SW1X 8PS, UK

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E: nicole.honeyghan@soci.org

**or register interest online at
www.soci.org**

To join or find out more about the SCI contact the
SCI Membership Team on T: +44 (0)20 7598 1578;
E: membership@soci.org

Reply Form



Neurotox '07
University of Portsmouth, UK
9 - 13 September 2007



- I am interested in attending. Please send me the final circular when it becomes available
- I wish to receive information on exhibiting
- I wish to present a short lecture and have sent a **400 word abstract** via email
- I wish to present a poster and have sent a **400 word abstract** via email

My preferred day for presentation(s):

- Monday 10 September Tuesday 11 September
Wednesday 12 September Thursday 13 September

Surname

First Name

Title: Prof/Dr/Mr/Mrs/Miss/Ms (delete as appropriate)

Membership status (please tick appropriate box):

- SCI member.....
SCI student member.....
Non-member.....
Non-member student.....
Retired SCI member.....

Institution/Company

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Position

Address

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Telephone

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