



NEWSLETTER

INTERNATIONAL SOCIETY OF CHEMICAL ECOLOGY

Volume 19, Number 1, February 2002

UPDATE ON THE 2002 ISCE ANNUAL MEETING, HAMBURG, August 3-8.

WEBPAGE <http://isce2002.chemie.uni-hamburg.de/>

The final plans for the 2002 meeting, organized by Wittko Francke, are being made. Professor Francke's organizing committee and staff have prepared an excellent program with four main symposium themes: chemical ecology of symbiosis, molecular biology in chemical ecology, plant-insect interactions, and chemistry of pheromones. The conference sessions will be held at the University of Hamburg in the center of the city, with accommodations at several nearby hotels. All details of the application and registration procedures, abstract submission, student travel awards, and all required forms for the meeting can be found at the meeting website at <http://isce2002.chemie.uni-hamburg.de/>. If you cannot access the website, or have trouble downloading the forms, please contact ISCE Meeting Hamburg 2002, Prof. Dr. Wittko Francke, Institut für Organische Chemie, Universität Hamburg, Martin-Luther-King-Platz 6, 20146 Hamburg, Germany, office@isce2002.chemie.uni-hamburg.de, and we will arrange to have paper copies of the forms and information mailed to you. Payments for accommodation and registration can be made with a credit card, or by bank transfer.

The meeting will begin with registration and a mixer on the afternoon-evening of Saturday, August 3rd, with the scientific sessions starting the next morning. Hamburg is well served by international airlines and train service, and the conference site is located quite close to Hamburg airport, and can easily be reached from the airport by bus or taxi. See the meeting webpage for details. The conference will close with a banquet on the evening of Wednesday, August 7th, with participants to begin departing the next morning. Should you wish to arrive earlier or stay longer to spend more time in Hamburg, please indicate on your accommodation forms.

There will be a final meeting update in the May-June Newsletter.

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Please note the following deadlines:

Early registration: May 31, 2002.

Registration after May 31 and on-site registration will be available at higher fees.

Accommodation: May 31, 2002.

Accommodation requests received after May 31 will be made only if space is available.

Abstract submission: May 31, 2002. ABSTRACTS WILL NOT BE ACCEPTED WITHOUT PAYMENT OF REGISTRATION FEES.

Student Travel Award application: April 2, 2002.

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From the Editor:

The membership renewal application forms are only sent out once a year, usually in the October Newsletter. Not infrequently, the forms are forgotten or misplaced, and consequently every year we lose track of a number of members. However, the membership renewal form is permanently available on the new ISCE website at the address <http://www.chemecol.org/> in a variety of formats. If you have forgotten to renew your membership, or if you know colleagues who would like to join (or rejoin) the Society, please access the membership form on the webpage. If you are not sure whether you renewed or not, go to the listing under your name in the membership database at <http://www.chemecol.org/steal/members/index.htm> and on the right hand side, the entry should list the last year for which your dues are paid up. Also note that there is a membership update form, in case your mailing or email address has changed. Please address all correspondence regarding membership or journal subscriptions paid through the Society to the Treasurer, Dr. Steve Teale, at sateale@mailbox.syr.edu

There is a lot of other information about the Society and its activities on the website, and it is continually being improved and updated by our Webmaster, Allard Cossé. For example, there are links to all the forms and information required to register for the annual meetings, student travel award applications, etc. The website also has general information pertaining to the Society, including a description of the Society's purpose, the Bylaws, the current officers, descriptions of Society awards, and abstracts of the meetings for the past several years. The webpage is updated frequently, and it should serve as an up-to-date source of information on Society affairs for you. Please make use of it, and the membership list which is linked to it. The webpage address is <http://www.chemecol.org/>. Please contact Allard Cossé if you have ideas for suggestions or improvements for the website. His contact information is listed on the new ISCE website homepage.

■ Please return your ballots for the election of our new vice-president, Secretary, and councilors, to Jocelyn Millar, at Dept. of Entomology, University of California, Riverside CA 92521, USA. If you wish, you may email your choices to jocelyn.millar@ucr.edu, or fill out the electronic ballot form at <http://www.chemecol.org/forms/ballot/ballot.htm>. However, please make sure that your full name is on the email somewhere, so that I know that the email is from a legitimate member.

■ Please send any news items, such as awards won by Society members, announcements of conferences and symposia, listings of positions available, and other items of general interest to the editor by Email or by regular mail at the address above.

If you have not already done so, please pay your 2002 dues. Annual meeting participants who are not paid-up members will be charged membership dues at the time of registration for the meeting.

MEETING FORMS AND PROGRAM

All required forms for registration, accomodation, abstract preparation, student travel award application, and meeting program can be accessed and downloaded directly from the meeting website at <http://isce2002.chemie.uni-hamburg.de/> Forms may be downloaded and printed for submission by mail or FAX. If you cannot access the forms from the web, please contact ISCE Meeting Hamburg 2002, Prof. Dr. Wittko Francke, Institut für Organische Chemie, Universität Hamburg, Martin-Luther-King Platz 6, 20146 Hamburg, Germany, email office@isce2002.chemie.uni-hamburg.de, to arrange for paper copies of the forms to be sent to you. Completed registration and accomodation forms and stu-

dent travel award applications must be returned by surface mail or FAX to the addresses given because original signatures are required. Abstracts should be submitted electronically.

Letters of invitation

Letters of Invitation are available from meeting host Wittko Francke (francke@chemie.uni-hamburg.de) if they are required to help participants obtain funding from their home countries and institutions.

Future Meeting Sites

Other scheduled meetings will be: 2003, South Korea; 2004, Ottawa, Canada; 2005, USA, in the Washington D.C. area; 2006, Barcelona; 2007, Jena, Germany.

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Further details will be forthcoming

Authors needed: Encyclopaedia of Life Support Systems (EOLSS)

The EOLSS is designed to represent a comprehensive database on the mechanisms that coordinate life on our planet. It is intended to supply a database for students, teachers, lecturers, scientists etc. It will also provide a scientific basis for policy making in environmental issues. The project is of immense scale (60-70 Million words) and will be available on CD-Rom. There is a website www.eolss.com that provides further information on the aims and relevance of the project. A small financial contribution is provided for authors and first drafts are required in about 6 months.

EOLSS is looking for authors in the following fields:

- Semiochemical Receptor and Transduction Systems
- Chemical Ecology of Symbiosis, Commensalism and Amensalism, Including Antibiotics,
- Chemical Ecology of the Vomeronasal Organ
- Applications of Chemical Ecology

If you would be interested in contributing to this UNESCO-sponsored project, and in ensuring that Chemical Ecology is well represented in the database, please contact:

Dr. J.D. Hardege

Editor, EOLSS Theme 6.52 (Chemical Ecology)

Dept. of Biological Sciences, Hull University

Cottingham Road, Hull, HU6 7RX, England

E-mail: J.D.Hardege@biosci.hull.ac.uk

MEMBER NEWS

Professor John Pickett elected to the Deutsche Akademie der Naturforscher Leopoldina

Professor John Pickett, FRS, and past-president of the ISCE, has recently achieved the distinction of election to the Deutsche Akademie der Naturforscher Leopoldina (German Academy of Natural Scientists Leopoldina). The Academy claims an even longer pedigree than the United Kingdom's own Royal Society and, indeed, in January this year John attended the 350th anniversary celebrations in Schweinfurt, the city that saw its foundation. The Academy consists of two classes, Natural Sciences and



Medicine, and the membership includes scientists from over 30 countries, besides principally Germany. New members are proposed for election only if they have gained distinction by outstanding achievements in their field.

Professor Jocelyn Millar Awarded the Recognition Award from the Entomological Society of America

Jocelyn Millar was recently awarded the Entomological Society of America's Recognition Award in Entomology. The purpose of the award is to recognize entomologists who have made or are making significant contributions to agriculture. The award is sponsored by Syngenta, and includes a visit to Syngenta's research facilities and farming operations in Europe. Millar is currently a Professor in the Department of Entomology, University of California, Riverside, where he has been for 13 years. He obtained his BSc in Chemistry in 1979 from Simon Fraser University in British Columbia, Canada and his PhD in Organic Chemistry in 1983 from the same institution. His research interests include the identification, synthesis, and development of applications for insect pheromones and related semiochemicals.



Millar is currently a Professor in the Department of Entomology, University of California, Riverside, where he has been for 13 years. He obtained his BSc in Chemistry in 1979 from Simon Fraser University in British Columbia, Canada and his PhD in Organic Chemistry in 1983 from the same institution. His research interests include the identification, synthesis, and development of applications for insect pheromones and related semiochemicals.

ISCE ELECTIONS, 2002

Candidates for ISCE Vice-President

Dr. Thomas C. Baker, Department of Entomology, Iowa State University, USA

Thomas C. Baker is Professor of Entomology at Iowa State University. He received his B.S. and M.S. degrees in Entomology from Cornell University, and his Ph.D. in Entomology from Michigan State. He has been working in the

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area of insect sex pheromones and attractants since 1972, and is an author of over 130 scientific journal articles and 20 book chapters and review articles in this field. His major research interests are pheromone-mediated behavior and sensory physiology, as well as developing applications that may be helpful to U.S. agriculture and defense. He

has received numerous awards and honors for his research and teaching, including most recently being named the 2002 recipient of the Silverstein-Simeone Award from the International Society of Chemical Ecology. He served as Chair of the Department of Entomology, both at UC Riverside from 1988 - 1992, and at Iowa State University from 1992 to 1999. Professor Baker served on the editorial board of the Journal from 1983-1999, and has been a frequent participant in ISCE meetings.

Professor Wilhelm Boland, Max Planck Institute, Jena, Germany



Professor Wilhelm Boland obtained his Doctorate in Chemistry at Cologne University (1978) under the guidance of Prof. Dr. L. Jaenicke. After further postdoctoral work at Cologne University he habilitated in Biochemistry in 1986. From 1987-1994, he was Professor of Organic Chemistry at Karlsruhe University, before moving to Bonn University in 1994 to become

Professor of Bioorganic Chemistry. Two years later, he joined the Max Planck Society and became head of the department of Bioorganic Chemistry of the new Max Planck Institute of Chemical Ecology in Jena.

Professor Boland has conducted research in many areas of chemical ecology, including the identification and synthesis of algal pheromones, biosynthesis of defense compounds in plants and insects, and the role of volatiles and other chemicals in plant insect interactions. He has published about 200 papers, reviews, and chapters. His contributions to cutting-edge chemical ecology research were recognized by the ISCE when he was elected as the

first Silverstein Simeone Lecturer at the ISCE meeting in Chile in 1995. He also has served as an ISCE councilor since 2000.

Candidates for ISCE Secretary

Dr. Stephen Foster, Department of Entomology, North Dakota State University, USA



Dr. Stephen Foster is currently an Associate Professor at the Department of Entomology at North Dakota State University. He obtained his Ph.D. in chemistry in 1983 at the University of Waikato in New Zealand, working on the chemistry of germanium-cobalt carbonyl clusters. Following his Ph.D., he was employed by the New Zealand Department of Scientific and Industrial Research (DSIR), Entomology Division where he got his first exposure to chemical ecology through working with Dr Wendell Roelofs, who was on sabbatical leave in New Zealand for six months. During this period they identified the sex pheromones of a group of New Zealand tortricid moths and began to study the biosynthesis of the unusual sex pheromone components of these species. Foster worked for 17 years on the chemical ecology of New Zealand Lepidoptera, as well as the Hessian fly, at DSIR and, as it later became, the Horticulture and Food Research Institute of New Zealand, before taking up his current position in 2000. His research interests focus on sex pheromone biosynthesis and regulation, and chemically-mediated host selection behavior of insect herbivores. He is a frequent contributor to the Journal of Chemical Ecology and a participant in ISCE meetings.

Dr. Tristram Wyatt studied zoology as an undergraduate at Cambridge University and stayed on to do a PhD on the ecology of parental care in a staphylinid beetle, *Bledius*. He was introduced to chemical ecology by Martin Birch and Ken Haynes' book on insect pheromones. A Wain

Dr. Tristram Wyatt, Department of Biology, Oxford University, UK

Dr. Tristram Wyatt studied zoology as an undergraduate at Cambridge University and stayed on to do a PhD on the ecology of parental care in a staphylinid beetle, *Bledius*. He was introduced to chemical ecology by Martin Birch and Ken Haynes' book on insect pheromones. A Wain

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post-doctoral fellowship allowed him to study food choice by creosote bush grasshoppers with Reg Chapman and Liz Bernays when they were at UC Berkeley. He then went to Cardiff University, joining Peter Haskell to investigate commercial applications of pheromones with Owen Jones. Other collaborations have included work with Jean-Claude Grégoire (Brussels), Wittko Francke (Hamburg), and the UK Forestry Commission on the response of a predator to bark beetle kairomones, projects with Rick Hodges, Alan Cork and colleagues at the Natural Resources Institute on the behavior of the stored product beetle *Prostephanus truncatus*, and projects with John Pickett and his team at Rothamsted.



In 1989 he joined Oxford University as Lecturer in Biology (equivalent to Associate Professor). In 2001 he was appointed as Director of Online and Distance Learning for the University. He is a founding fellow of Kellogg College, Oxford. He also heads a group at the Zoology Department researching insect pheromones, including pheromone binding proteins. He has been a regular participant of ISCE conferences over many years.

Dr. Wyatt's book on pheromones and animal behavior will be published by Cambridge University Press later this year. Research for the book has brought him into contact with semiochemical researchers on every continent. The help he has received reinforces his appreciation of the success and important role of the ISCE in bringing together scientists from the many disciplines that form the diverse field of chemical ecology.

Candidates for ISCE Councilors

Dr. Anne-Geneviève Bagnères, CNRS, Tours, France

Dr. Anne-Geneviève Bagnères holds the position of researcher at the French CNRS (Centre National de la Recherche Scientifique). Since the summer of 2001 she has been the lead researcher of a social insect group at the Institut de la Recherche sur la Biologie de l'Insecte (IRBI) in Tours, France. Prior to that date, she worked under Professor Jean-Luc Clément at the CNRS research

center in Marseille. Dr. Bagnères began her studies in physiology and neurobiology at the University of Pierre and Marie Curie in Paris. In 1989 she was awarded a Ph.D. and won the Chancellerie of the Universities of Paris Prize for her doctorate thesis.



In 1990, after completing a one-year postdoctoral program in analytical chemistry with David Morgan at the University of Keele (UK), she passed the CNRS entry concourse based on her experience at the interface between biology and chemistry. In 1996 she received the French HDR diploma for her work on Composition, Variation and Dynamics of Chemical Signatures in Insects. During a sabbatical in 1996-97, she worked as a visiting scientist in the laboratories of Gary Blomquist (UNR, Reno, USA) and Coby Schal (NCSU, Raleigh, USA) on the biochemistry of insect chemical signals. In her current research on the chemical ecology of social insects, she is a leading proponent of the concept of chemical signatures. While her primary area of interest involves termite chemical ecology, she also participates in collaborative studies involving other insects (e.g., ants, wasps, and bees), arachnids (e.g., scorpions, spiders), and mammals (e.g., marmots and mice). She has published frequently in the *Journal of Chemical Ecology*, and has participated in ISCE meetings since 1987. She was involved in the organization of the 1999 ISCE meeting in Marseille. She is also a member of the IUSI and the Isoptera Society.

Dr. Heidi Dobson, Department of Biology, Whitman College, Washington, USA

Dr. Heidi Dobson is Associate Professor and Chair of the Department of Biology at Whitman College. Dr. Dobson received a B.A. in Botany and B.S. in Agricultural Sciences at the University of California at Berkeley, during which she developed a keen interest in flower-insect relationships. She went on to explore the biology of bees at the University of California at Davis with under Robbin Thorp and became fascinated by the ecology and evolution of pollen specialization in oligolectic bees. She earned her M.Sc. in Entomology, with a thesis on a community

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pollination study in the California chaparral, with focus on bee-plant associations. She returned to U.C. Berkeley for a PhD in Botany with Herbert and Irene Baker, studying the role of pollen lipids in flower selection by specialist bees. During postdoctoral research in Sweden, she developed protocols for collecting and analyzing pollen volatiles in

collaboration with Gunnar Bergström in Göteborg, while also continuing investigations on the role of pollen odor in flower selection by bees. Her current research focuses on the interplay of visual and chemical stimuli in host-plant selection by bees and the influence that learning has on this process. She has also engaged in collaborative studies of floral chemistry, histochemistry of pollen digestion, and the genetic/imprinting basis of pollen specialization in bees. She has been an ISCE member since the late 1980's and has participated in ISCE meetings since 1990. She reviews manuscripts regularly for the *Journal of Chemical Ecology*.

Dr. Jocelyn Millar, Department of Entomology, University of California, Riverside, USA

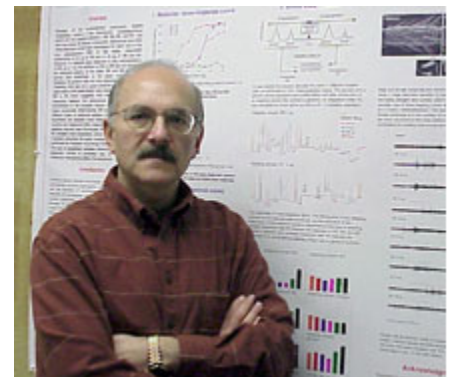
Dr. Jocelyn Millar, currently the Secretary of the ISCE and editor of the ISCE Newsletter, will be stepping down from both of those positions in August, 2002, after the Hamburg meeting. Millar is currently a Professor in the Department of Entomology, University of California, Riverside, where he has been since 1988. He obtained his BSc in Chemistry in 1979 from Simon Fraser University in British Columbia, Canada and his PhD in Organic Chemistry in 1983, working on aggregation pheromones of cucujid beetles with Dr. Cam Oehlschlager as part of the Chemical Ecology group at Simon Fraser University. He then took a postdoctoral po-



sition for a year with Prof. R. M. Silverstein in Syracuse, New York, to work on host attractants for native elm bark beetles. He did a second postdoctoral fellowship for 2 years, studying pheromones of geometrid, noctuid, and arctiid moths, with Dr. Ted Underhill at the National Research Council of Canada's Plant Biotechnology Institute in Saskatoon. After a 2-year stint in industry as the scientific director and manager of a toxicology laboratory, Millar joined the Department of Entomology at UC Riverside in 1988. His research interests include the identification, synthesis, and development of applications for insect pheromones and related semiochemicals. He has been a frequent participant in ISCE meetings since 1985, and has served as the ISCE Secretary and Newsletter editor for five years. He is also on the editorial board for the *Journal of Chemical Ecology*.

Dr. Coby Schal, Department of Entomology, North Carolina State University, Raleigh, North Carolina, USA.

Dr. Coby Schal obtained his B.Sc. in biology in 1976 from the State University of New York at Albany. During these studies, he spent a summer at the Cranberry Lake Biological Experiment Station in New York, where under Gerald Lanier's tutelage, he became interested in insects and chemical ecology. His graduate research at the University of Kansas (Ph.D. 1983, Entomology, with William J. Bell) focused primarily on chemical ecology,



sexual selection, and community organization of tropical rainforest cockroaches. He then did a postdoc with Ring Cardé at the University of Massachusetts studying calling behavior and field ecology of the tiger moth *Holomelina lamae*, and chemo-orientation of gypsy moths to sex pheromone. From 1984 to 1993, he was Assistant and Associate Professor of Urban Entomology at Rutgers University in New Jersey. In 1993 he started his current position, the Blanton J. Whitmire Endowed Chair at North Carolina State University, Raleigh. His research focuses on the biology and integrated management of urban pests,

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particularly cockroaches. Current projects represent both short-range problem solving and fundamental longer term investigations. Recent projects include: Chemical characterization of cockroach pheromones and food attractants, pheromone biosynthetic pathways, and neuroendocrine regulation; Cuticular hydrocarbons as semiochemicals and waterproofing agents, their biosynthesis and transport through the hemolymph; Peripheral events in pheromone reception, including molecular characterization of pheromone-binding proteins in cockroaches; Genetic architecture of pheromone production in heliothine moths; Behavioral endocrinology, particularly regulation of cockroach reproductive behaviors and use of insect growth regulators to disrupt reproduction; Use of molecular markers (rDNA) in phylogenetic studies of cockroaches and to understand gene flow in cockroach populations; and Biological control of cockroaches with fungi, and molecular characterization of densoviruses as biocontrol agents. In 1999 he co-founded the W. M. Keck Center for Behavioral Biology, a cross-disciplinary program that focuses on physiological and genetic mechanisms that underlie behavior. Dr. Schal teaches Insect Behavior, Chemical Ecology, and Urban Entomology, and has graduated 18 students and sponsored 15 post docs. He has published frequently in the *Journal of Chemical Ecology*. He also has organized symposia at ISCE and Entomology meetings, and currently serves the editorial boards of the *Journal of Chemical Ecology* and 4 other journals.

Dr. Sadahiro Tatsuki, Department of Agricultural and Environmental Biology, University of Tokyo, Japan



Dr. Sadahiro Tatsuki obtained his BSc & MSc degrees at the University of Tokyo in 1968 and 1970, respectively, doing studies on insect toxicology. He then took a position as research entomologist at the Institute of Physical and Chemical Research, Japan and began research on the sex pheromone of the rice stem borer moth, *Chilo suppressalis*. He obtained his Ph.D. from the University of Tokyo with

his thesis on the mating behavior and sex pheromone of the rice stem borer. Along with the identification of the pheromone, he conducted many trials of mating disruption with his co-workers. The 3-component pheromone system discovered by his group has been used very effectively both for monitoring and control with mating disruption in Japan and other countries. Owing to these contributions, he received the Prize of the Japanese Society of Applied Entomology and Zoology in 1985. In addition to *Chilo*, he has also conducted pheromone research, from basic physiological to practical studies, on other agricultural pests, including the yellow stem borer, *Scirpophaga incertulas*, the oriental tobacco budworm, *Helicoverpa assulta* and the rice leaf folder moth, *Cnaphalocrocis medinalis*.

He moved to the University of Tsukuba in 1982 and later to the University of Tokyo in 1989. Since 1993 he has been a professor in the Laboratory of Applied Entomology at the Department of Agricultural and Environmental Biology. In recent years, his interests have extended to phylogenetic studies in crambid moths such as *C. suppressalis*, *C. medinalis* and *Ostrinia furnacalis* and related species. Some of his current research involves investigation of speciation in lepidopteran systems, integrating data from a wide variety of approaches including DNA, behavioral, and pheromonal analyses. He is a member of both the ISCE and the Asia-Pacific Association for Chemical Ecology (APACE).

Positions Available

- **Ph.D. student position, ETH Zürich, Evolution of orchid pollination syndromes**

A 3 year Ph.D. position is available at the Geobotanical Institute, ETH Zürich to investigate odour communication in relation to the evolution of orchid pollination syndromes. The project investigates floral odour compounds and their behavioural impacts on pollinator insects in orchids with different pollination syndromes. Field work will be done in Switzerland and Australia. Starting date: March 1, 2002. Techniques involved are: Odour collection, GC-EAD, and behavioural experiments with pollinator insects; experience with one of these methods is an advantage but not a prerequisite. Candidates should have a Diploma or Masters degree in Biology or related subject. Salary: 35.000 Sfr. (approx. USD 20.000) p.a.. Inquiries and/or applications including CV, list of publications, and e-mail-

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addresses of potential referees to:

Dr. Florian Schiestl, Geobotanical Institute, ETH Zürich, Zollikerstrasse 107, CH-8008, Zürich, Switzerland, schiestl@geobot.umnw.ethz.ch; the ETH is a world class University located in the beautiful city of Zürich. The institute is located in the botanical gardens and is equipped with a HP 6890N gas chromatograph with electroantennographic detector and state-of-the-art molecular lab. For further information about the institute: www.geobot.umnw.ethz.ch

- **Post-doctoral position in analytical biochemistry.**

The successful candidate will join a group investigating fish endocrinology from molecular biology to behavior (website: <http://www.ualg.pt/ccmar>), and will be involved in the isolation and chemical identification of putative pheromone molecules. Applicants should have a Ph.D. in biochemistry with experience in HPLC and/or GC-MS. Fluency in English and/or Portuguese would be an advantage, but motivation and independence are more important. The post will be initially for two years (salary •17,400 p.a.), with the possibility of extension. Ideally, the successful candidate would start before the end of May 2002. Applications (application letter and C.V. plus the names and addresses of two referees), as soon as possible to (before 15th February, 2002) to: Dr P.C. Hubbard, Centro de Ciências do Mar, Universidade do Algarve, Campus de Gambelas, 8000-810 Faro, PORTUGAL. Enquiries and applications by e-mail are encouraged (phubbard@ualg.pt).

- **Postdoctoral position, Molecular Basis of Olfactory Processing**

A postdoctoral position is available to study the molecular basis of the early olfactory processing in mosquitoes. A Ph.D. in a relevant discipline such as biochemistry, bio-organic chemistry, entomology or cell biology is expected. Knowledge of basis techniques in molecular biology and experience with expression and purification of proteins are essential. The position (PGR I) is funded for two years by a Special Cooperation Agreement between the University of California at Davis and the U. S. Department of Agriculture, Agricultural Research Service. Please send resume and list of references to Walter S. Leal, University of California, Department of Entomology, Maeda-Duffey Lab, 37 Briggs Hall, Davis, CA 95616 or contact by email (wsleal@ucdavis.edu). The University of Cali-

fornia is an Affirmative Action/Equal opportunity employer.

Upcoming Meetings of General Interest

- Feb. 25-26, 2002. **10th Pacific Entomology Conference**, Honolulu Hawaii, Information: Thomas W. Culliney, email culliney@elele.peacesat.hawaii.edu, phone 1-808 973-9528, FAX 1-808 973-9533
- March 3-8, 2002. **2nd Gordon Research Conference on Floral Scent: Biology, Chemistry and Evolution**, Ventura, California, USA. All posters are welcome. To view the program, apply and register, see www.grc.org. Information: Heidi Dobson: dobsonhe@whitman.edu.
- June 9-14, 2002. **8th New Phytologist Symposium**, Helsinki, Finland. Plant science journal, the New Phytologist celebrates its 100th anniversary with a symposium, "Impacts of Soil Microbes on Plant Population Dynamics and Productivity". Information: <http://www.biocenter.helsinki.fi/nps2002>.
- July 13-17, 2002. **Animal Behavior Society's 39th annual meeting**, Bloomington, Indiana, USA. Planned symposia include Animal behavior and multilevel selection; new perspectives on mechanisms of evolution in communication systems; and applied animal behavior and the integration of behavioral knowledge. Information: <http://www.animalbehavior.org/ABS/Program>, or contact the local hosts Emilia Martins (emartins@bio.indiana.edu) and Meredith West (mewest@indiana.edu).
- August 26-30, 2002. **21st Conference of European Comparative Endocrinologists**, Bonn, Germany. Information: <http://www.esce2002.uni-bonn.de>. Registration and abstract deadlines, April 15.
- Sept. 22-27, 2002. **IOBC Working Group Meeting, Pheromones and Other Semiochemicals in Integrated Controls**, Erice, Sicily,. Information: Stefano Colazza, Univ. of Palermo, FAX 39-91-423410, email colazza@unipa.it. Website <http://phero.net/iobc/sicily/announc4.html> or <http://phero.net/iobc/index.html>



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CUT OUT BALLOTS AND MAIL TO ISCE SECRETARY.

You may also register your votes by email to the secretary at jocelyn.millar@ucr.edu, or fill out the electronic ballot form at <http://www.chemecol.org/forms/ballot/ballot.htm>. Ballots or Emails must be received by April 30, 2002 in order to be registered.



BALLOT
VICE-PRESIDENT, ISCE, 2002

- Dr. Thomas Baker
 Dr. Wilhelm Boland

BALLOT
SECRETARY, ISCE, 2002

- Dr. Stephen Foster
 Dr. Tristram Wyatt

BALLOT
COUNCILORS, ISCE, 2002

Please vote for only 4 of the 5 candidates

- Dr. Anne-Geneviève Bagnères, France
 Dr. Heidi Dobson, USA
 Dr. Jocelyn Millar, USA
 Dr. Coby Schal, USA
 Dr. Sadahiro Tatsuki, Japan