



International Society of Chemical Ecology

Society

[About](#)

[Science](#)

[Executive Committee](#)

[Councilors](#)

[Awards](#)

[Membership](#)

[Bylaws](#)

Newsletters

[Current Issue](#)

[Previous Issues](#)

Journal of Chemical Ecology

[Home Page](#)

[Subscription](#)

Meetings

[Upcoming Meetings](#)

[Past Meetings](#)

Positions

[Check Openings](#)

Archives

[ISCE Positions](#)

Web site questions?

e-mail [ISCE Webmaster](#)

Content questions?

email [ISCE Secretary](#)

Newsletter - Volume 26, Number 2, July 2009

IN THIS ISSUE

- [Secretary/Editor's Message](#)
- [Candidates](#)
 - [Vice-President](#)
 - [Councilor](#)
 - [Secretary](#)
- [Advertisements](#)
- [Meeting of Interest](#)

Secretary/Editor's Message

This third newsletter is concerned with the election of new Vice President, Councilors and Secretary. Due to an emergency situation and a heavy work load, I will hand the secretary duties to Anna-Karin Borg Karlson (Sweden). I am very grateful to Anna-Karin that she has agreed to take on this duty. The current executive also thank all our candidates in this election for volunteering.

Please read the candidate's vitas or statements and then fill in the [ballot](#). Please send your ballot to our president (Dr. Wilhelm Boland) by July 27, 2009. You can use e-mail

(president@chemecol.org; boland@ice.mpg.de)

or mail (Max Planck Institute for Chemical Ecology; Hans-Knöll-Straße 8, D-07745 Jena, Germany). Please use only one means (e-mail or mail). Please use the separate ballot, sent with this newsletter, to cast your vote. If using e-mail, please attach the ballot to your mail (do not copy into your e-mail text). Please do not write your name on the ballot itself, but please do write your name, as shown on ISCE records, on your envelope or in your e-mail text/signature.

Erika Plettner

Candidates

1. For Vice-President

Monika Hilker, Freie U. Berlin, Germany.

Monika Hilker studied biology and chemistry at the University of Göttingen, Germany (1977-1983), receiving a Diploma in forest zoology (focused on bark beetle visual and olfactory orientation) and a Teaching Certificate in Organic Chemistry. She continued her studies in Göttingen, and received her Ph. D. in 1986, on studies of oviposition deterrence in moths. She did her



ISCE Elections!

Please fill out the election [ballot](#) and make your vote count!

[Comments](#) on the web site are welcome.

habilitation and assistant professorship at the University of Bayreuth (1987-1994), in animal ecology, focusing on the chemical ecology of juvenile stages of the Chrysomelidae. Since 1994 she is full professor at the Institute of Biology, Applied Zoology / Animal Ecology, Freie Universität Berlin, Germany. She has close to 90 publications. Since 2003 she serves on the senate of the DFG (the national funding agency in Germany), and since 2004 she is also an associate editor of the Journal of Chemical Ecology.



Angel Guerrero, U. of Barcelona, Spain.

Angel Guerrero is Professor of Research of the National Research Council (CSIC) in Spain. He studied Chemistry at the University of Barcelona (Spain) and received his PhD degree from the same University in 1974. After a postdoctoral Fulbright fellowship (1976-1979) at Cornell University, he joined the staff of the National Research Council in Spain



wherein he was promoted to Research Scientist in 1987 and to Full Professor in 2001. He was Head of the Department of Biological Organic Chemistry (2002-6), and Visiting Scientist of the Laboratoire des Médiateurs Chimiques (Versailles, France) (1980, 1983), Universidad de Chile (1990), Stony Brook University (1991), Universidad de la Havana (1999), and University of Guam (2007). He is Fellow of the Royal Society of Chemistry and has published more than 140 papers in national and international journals and 6 patents. He has delivered 19 invited conferences in several universities and research centers and 14 more in meetings and supervised 30 M.Sc. and 16 Ph.D. theses. He has published and reviewed papers for the Journal of Chemical Ecology, actively participated in various ISCE meetings and hosted the 22nd ISCE Meeting in Barcelona, 2006. His main interests are focused on the identification, synthesis and biological activity of insect pheromones and the development of pheromone antagonists as potential agents for pest control.

2. For Councilor

Anke Steppuhn, Freie U. Berlin.

Dr. Steppuhn obtained her Diploma (2002) at the Free U. Berlin and at the Netherlands Institute of Ecology, in biology with a focus on chemical ecology. She obtained her Ph. D. from the Max-Planck Institute of Chemical Ecology in Jena in 2007. Recently, she has started as assistant professor at the Free U. Berlin. She has ten publications from her research.

Kotaro Kono, National Institute of Agrobiological Sciences, Tsukuba, Japan

Dr. Kotaro Konno is currently a Chief Researcher in the Insect Interaction Research Unit at National Institute of Agrobiological Sciences. His research focuses on defence chemicals and proteins involved in plant direct defences and insects' physiological adaptations against plant defences. He studied biochemistry, applied mathematics and entomology in the Tokyo University and obtained BS and MS degrees. He became a researcher in National Institute of Sericultural and Entomological Sciences at 1994, and there started his carrier as chemical ecologist. He elucidated the anti-nutritive defence mechanism of privet tree (*Ligustrum*) by an enzymatically activated iridoid glucoside, oleuropein, and the adaptive mechanism of privet specialist by secretion of free amino acids in digestive juice. The study was published in PNAS, J. Chem. Ecol., J. Insect Physiol. etc.. By this achievement, he was awarded Ph. D. degree from the Tokyo University in 2002 and Tsukuba Science Award for Young Scientists in 1999. Since 2001, he is at a current position as a researcher at National Institute of Agrobiological Sciences. He is recently interested in latex-borne plant defences and physiological adaptations

of insects, and has identified sugar-mimic alkaloids (polyhydroxy alkaloids) and novel defence proteins MLX56 from the latex of mulberry trees as defence agents of mulberry trees (*Morus* spp.) against insect herbivores, and also elucidated mechanism of physiological adaptation of mulberry-specialist *Bombyx mori*. This study revealed mulberry-silkworm ecological interaction first time in thousands years' history of sericulture. He has revealed the defensive role of cysteine proteases that are often found in plant latex, such as papain from papaya and ficin from figs. This study was one of the earliest studies that established the defensive role of proteases against herbivorous insects. Series of his studies on defensive roles of plant latex and its ingredients have been published in PNAS, Plant J., Phytochemistry, J. Insect Physiol. and Insect Biochem. Mol. Biol.. He is an active member of ISCE and has regularly attended ISCE meeting since the Prague meeting in 1996. He is also an active member of APACE (Asia-Pacific Association of Chemical Ecologists) since its inauguration in 1997.

Stefano Colazza

Stefano Colazza is currently a Professor in Entomology at University of Palermo, Italy. He received his Diploma in Agricultural Science from the University of Perugia, and, in 1990, he became Research Associate. Then, in 1999, he moved to the University of Palermo as Associate Professor for Entomology. In 2006 he became full Professor at the



University of Palermo. Dr. Colazza has conducted research as a visiting scientist in the USA: Department of Entomology, Texas A&M University (CNR fellowship); Department of Entomology, University of California (CNR-NATO fellowship); USDA-ARS Beltsville (USDA grant), and France: I.N.R.A. Antibes (OECD fellowship). In 2003, Dr. Colazza spent one year sabbatical c/o Department of Entomology, University of California, Riverside, and during his stay he had a closed collaboration with Professor Jocelyn Millar. In 2004, he was appointed as a General Secretary IOBC-Global. Dr Colazza is best known for his work on the tri- and multitrophic interactions between plants, herbivorous insects, and insect parasitoids. His research interests are focused on the mechanisms underlying the host-finding behavior in insect parasitoids, principally using egg parasitoids, belonging to the families Trissolcus and Telenomus, as model organisms. Dr. Colazza is a co-chairman of a European Science Foundation program on Behavioural Ecology of Insect Parasitoids. He is a frequent reviewer for various journals covering behavioral ecology and chemical ecology. Dr Colazza publishes and reviews manuscripts in the Journal of Chemical Ecology and is a regular attendee at ISCE Annual Meetings.

Peter Witzgall

Peter Witzgall obtained his PhD in Zoology (1989) at University of Munich, under supervision of Ernst Priesner, after research at Les Mediateurs Chimiques, INRA Versailles, headed by Charles Descoins. He researched as a postdoctoral fellow with Heinrich Arn at the Federal Research Station, Wädenswil, Switzerland (1987-1991) and with Jan Löfqvist at Lund University, Sweden (1991-1993).

He became an independent researcher in 1994, professor in



2001 and faculty chair in 2009, at Swedish Agricultural University, Alnarp. Since 2007 head of Chemical Ecology Group, Alnarp (www.chemicalecology.se). He has 70 original research papers in international journals, 14 book chapters, 4 multi-authored congress proceedings, 21 extension publications.

Richard Ferrieri

Dr. Ferrieri is a radiochemist at BNL, whose research is focused on developing new technology using short-lived radiotracers to interrogate induced sink strength in plants at cellular and whole-plant levels. Fundamental research geared to understanding how plant metabolism is regulated across scales from cellular biochemistry to whole-plant physiology is key to DOE's success in areas such as improved carbon sequestration by plants, and improved plant feedstock for biofuel. This research is also focused at understanding signal pathways in plant defense responses to environmental



cues. Dr. Ferrieri uses short-lived radiotracers such as ^{13}N ($t_{1/2}$, 10 m), ^{11}C ($t_{1/2}$, 20 m) to insert radioactive probes into various parts of a plant's metabolic machinery, and using a combination of in vivo imaging techniques and nuclear counting techniques, he measures changes in metabolic fluxes that can give rise to changes in resource allocation at the whole-plant level. His recent focus here is to understand the timing by which metabolic control and gene regulation coordinate with the modification of sink metabolism in plants. His interests also center on developing new imaging biomarkers that are suitable for quantifying changes in gene expression associated with specific metabolic pathways, as well as aid in the multi-modality imaging of dynamic processes. He chairs various review and radiosafety boards and is director of the DOE's radiochemistry school. He has more than reviewed 63 publications.

Robert Kenneth Vander Meer

R. Vander Meer obtained his B. Sc. at Blackburn College in chemistry and mathematics (1964), followed by M. Sc. at John Carroll University in chemistry (1966) and a Ph. D. at The Pennsylvania State University, in synthetic organic chemistry (1972). He did postdoctoral research with J. Meinwald until 1977. Since then and until now he works at the USDA in Gainesville, Florida, and he is also associate faculty member at the local university. He has received numerous awards and has published widely. He is well known for his work with the red imported fire ant, *Solenopsis invicta*.

3. Secretary

Anna-Karin Borg Karlson, Royal Institute of Technology, Stockholm, Sweden.

Dr Anna-Karin Borg-Karlson is a Professor at The Royal Institute of Technology, Dept of Chemistry, Stockholm, Sweden. Her main research interest is to characterize the chemodiversity underlying insect perception, behavior and insect host-plant preferences. This work involves the investigations on the biological role of plant volatiles, the biosynthetic pathways of butterfly aphrodisiacs and antiaphrodisiacs, structure-activity studies of insect antifeedants and the identification of insect oviposition



stimulants. She has more than 110 publications in international journals, is an associated editor in APIS and invited member in DKNVS since 2007.

She is also active in the promoting chemical ecology in high-school education in order to increase student interest in the natural sciences and in "green chemistry".

Dr Borg-Karlson publishes and reviews manuscripts in the Journal of Chemical ecology, has been ISCE councilor 2006-2008 and is a regular attendee at ISCE Annual Meetings.

vertisements

Forest Insect Ecologists

Location: Natural Resources Canada, Canadian Forest Service - Atlantic, Fredericton, New Brunswick, Canada

Closing Date for Applications: August 14, 2009 - 23:59, Pacific Time

Reference Number: RSN09J-009837-000085

Employment Tenure: Permanent - Full Time

Vacancies: 2

Two ecological entomologists are sought to join a team of researchers investigating the biology and ecology of native and invasive forest insect pests with the aim of contributing to the development of effective, practical and environmentally acceptable integrated pest management (IPM) methods. The two scientists will add expertise to the research capacity of the IPM team in the areas of forest insect dynamics, insect chemical ecology, insect/plant interactions and IPM. Candidates must have graduated with an acceptable doctoral degree from a recognized university in the field of natural sciences related to the duties of the positions (i.e. entomology, ecology, forestry). Candidates will be required to demonstrate evidence of a high level of research productivity in the form of papers published in internationally refereed scientific journals, book chapters, and presentations at national and international meetings. These positions require leadership, supervisory and interpersonal skills and, the ability to work independently and as part of a team. Proficiency in English is essential.

Who Can Apply: Persons residing in Canada and Canadian citizens residing abroad. Preference will be given to Canadian citizens.

Important Information

Full details concerning these positions are available at:

English: [click here](#)

French: [click here](#)

Please note that applications will only be accepted on line at either of the websites listed above as all job applications must be submitted through the Government of Canada Public Service Resourcing System (PSRS).

Associate Research Entomologist/Chemical Ecologist

A full time Associate Research Entomologist or Chemical Chemist position is available in the R & D Department of Sterling International, Inc. This position is focused on, but not limited to, various lab and field bioassays, dispenser technology and trap development. Candidate must have a M.Sc. degree in entomology, chemical ecology or biology, with strong background and experience in semiochemical-related bioassays. Preference will be given to US citizens or permanent residents. Salary: Commensurate with experience.

To apply, submit resume along with college transcripts to: Dr. Qing-He Zhang, Sterling International, Inc. 3808 N. Sullivan Rd, Bldg 16P, Spokane, WA 99216, USA; Email: qing-he@rescue.com. Please also include the names, email addresses and phone numbers of two references.

Sterling International, Inc. is one of the world's leading semiochemical-based companies, manufacturing the RESCUE!® attractants and traps for flies, yellowjackets, paper wasps, hornets, Japanese and Oriental beetles, Smartraps for garden moth pest insects, and lures for beneficial insects. For more information about the company, please visit our website: www.rescue.com.

Meeting of Interest.

British Ecological Society
Symposium on 'Integrative roles of plant secondary metabolites in ecological systems'

At the University of Sussex, England, 9-11 April 2010.
For more details, please consult the following web site: [click here](#)

International Society of Chemical Ecology

[Jeffrey Aldrich](#), President, [Anna-Karin Borg-Karlson](#), Secretary

[Web site questions](#)

Copyright © 2008, All rights reserved.