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## Secretary / Editor's Message

Dear members, this newsletter provides information about the election of the new Vice President, and four new Councilors. We thank our candidates for volunteering for these posts!

The latest news from the upcoming ISCE meeting in Melbourne Australia, 19-23 of August is available via the link to the meeting on the ISCE website: <http://www.chemecol.org/> Organizer Alex Il'ichev reminds us of the upcoming deadlines for abstracts and registration. **May 6<sup>th</sup> was the last day to submit abstracts and June 12<sup>th</sup> is the deadline for "early-bird" registration!**

Students and those who have received a Ph.D. within the last two years can still apply for an ISCE travel grant via the link on the ISCE website. **Although the application deadline is May 15<sup>th</sup>, note that your Abstract must have been submitted to the meeting's website by May 6<sup>th</sup>.**

President Ring Cardé notes that the Melbourne meeting will be the first with our sister society, APACE, the Asia-Pacific Association of Chemical Ecologists. Our joint meeting will offer a unique venue for presentation of your latest work, meeting with old friends, and establishing new collaborations with colleagues from around the globe. Melbourne is a terrific city to explore and many of you will wish to take this opportunity to see more of Australia. But we all appreciate that we attend these meetings to learn from our colleagues and this APACE-ISCE will be no exception.

### **Now it is time to vote for new officers!**

Please read the statements of the candidates and then vote by filling out the [online ballot at the ISCE website](#). Vote by June 1<sup>st</sup>!

## Current Vice President and designated ISCE President 2013-2014: Stefan Schulz



Stefan Schulz became Full Professor of Organic Chemistry at the University of Braunschweig – Institute of Technology in 1997. Since 2006 he also has served as the Head of the Institute of Organic Chemistry at Braunschweig. He studied Chemistry in Hamburg and obtained his Ph.D. in the group of Wittko Francke in 1987, working on the chemistry of butterflies. A postdoctoral post with Jerrold Meinwald at Cornell University followed in 1988. After returning to Hamburg he joined a priority program on Chemical Ecology of the German Science Foundation and obtained his Habilitation in 1994, working on arthropod chemical communication. After moving to Braunschweig, his main research interest centered on the Chemistry of Chemical Communication, concentrating on the analysis, synthesis and biosynthesis of semiochemicals and related compounds in the broadest sense. He lectures in courses

on chemical synthesis and natural products. After an initial interest in butterflies and spiders, he currently also is engaged in work on bacterial communication as well as pheromone and chemical defense systems in reptiles and amphibians. He has published some 140 papers and edited two books, all concentrating on the chemical side of Chemical Ecology.

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### 2013-14 ISCE Elections

All members are invited to vote in the 2013-14 ISCE Elections. This year the membership will vote to select a vice president and four councilors. The vice-president serves one year in this position and then serves as president in the following term. Councilors serve a three-year term and act in an advisory capacity to the Executive Committee (for additional information, please consult the ISCE bylaws, available online).

Elections are conducted via the ISCE website and a ballot is available through the following link:

- <http://chemecol.org/election.shtml>

After reviewing the biographies below, please select one candidate for Vice President and **FOUR** (4) candidates for Councilors and submit this information via the electronic ballot. **Voting will close at midnight (EDT) on June 1, 2013.**

## 2013-14 ISCE Elections: Candidate for Vice President

### Stephen Foster



Stephen Foster is a Professor in the Department of Entomology at North Dakota State University in Fargo, where he has worked since 2000. He obtained his Ph.D. in chemistry at the University of Waikato in New Zealand, before being employed by the New Zealand Department of Scientific and Industrial Research, Entomology Division, in Auckland. His first exposure to chemical ecology was working on the sex pheromones of a group of cryptic species of New Zealand tortricid moths with Prof. Wendell Roelofs, while Wendell was on sabbatical in New Zealand. Since then, his work has focused mainly on the chemistry and biochemistry of communication and host finding/acceptance in herbivorous insects. His current research interests center on the use of stable isotope tracer methods for studying the allocation of metabolites to the biosynthesis and regulation of fats and pheromones used in reproduction for insects. Stephen has been a member of ISCE since 1992, attends ISCE annual meetings regularly, and served as Secretary from 2002-2008. He has been an Associate Editor of the *Journal of Chemical Ecology* since 2007.

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## 2013-14 ISCE Elections: Candidates for Councilors

Please select four of the following six nominees for Councilors:

### Julia Kubanek



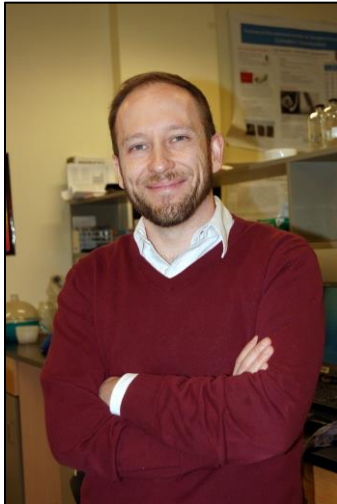
Julia Kubanek is a Professor in the Schools of Biology and Chemistry & Biochemistry at the Georgia Institute of Technology in Atlanta. She received a B.Sc. in Chemistry from Queen's University, Canada in 1991 and a Ph.D. in Organic Chemistry from the University of British Columbia in 1998, followed by postdoctoral research at the Scripps Institution of Oceanography and the University of North Carolina at Wilmington. Her areas of interest include marine chemical ecology, natural products, metabolomics, and drug discovery. She has authored 70 research articles on plankton chemical ecology, coral reef chemical ecology, and marine natural product discovery and biosynthesis. Julia currently serves on the Editorial Board of the *Journal of Chemical Ecology*. In 2012 she received the Silverstein-Simeone Award of the ISCE and also was elected a Fellow of the American Association for the Advancement of Science.

## **Stefan Dötterl**



Stefan Dötterl works on the ecology and evolution of floral scent and plant-pollinator-interactions, and also on insect pheromones (e.g. in Strepsiptera). He recently moved from Bayreuth to the University of Salzburg in Austria, where he is Professor of Plant Ecology and is building up a chemical ecology lab. His expertise is in chemical analysis, electroantennography and bioassays. In his Ph.D. thesis (2001-2004) he focused on chemical communication in a nursery pollination system between a nocturnal plant (*Silene latifolia*) and a noctuid moth (*Hadena bicruris*). Stefan also has identified volatile key mediators in several plant-animal-interactions, including mosquito, beetle, and bee pollination systems. He published several of his papers in the *Journal of Chemical Ecology*, for which he regularly acts as reviewer.

## **Kirk Hillier**



Kirk Hillier completed his Ph.D. in Biology at Memorial University of Newfoundland, where he studied the use of semiochemicals for pest monitoring of the lingonberry fruitworm moth, *Grapholita libertina*. In 2002, he took a postdoctoral position in Neil Vickers' lab at the University of Utah where he examined the role of courtship odors and olfactory physiology in Heliothine moths. He was recruited as Assistant Professor by Acadia in 2007 and was promoted to Associate Professor in 2010. He also has been a Visiting Scientist at the Theodor Boveri Institut (Wurzburg, Germany), and the Arizona Research Laboratories Division of Neurobiology in Tucson, and is an active collaborator with the Max Planck Institut für Chemische Ökologie (Jena, Germany).

At Acadia, Kirk has developed a research program based upon the comparative evolution of olfactory neurophysiology and behavior within insects, particularly Lepidoptera. His research program has expanded to include an examination of large-scale, host-acquisition strategies (field-based), and gene-expression, and to include studies of the brain and behavior from the molecular to ecosystem level. Dr. Hillier also directs the Chemical Analysis and Bioimaging Laboratory (CABL) for the analysis of insect olfactory neurobiology. He has authored 21 peer-reviewed publications. In 2012 Kirk was awarded the C. Gordon Hewitt Medal from the Entomological Society of Canada – a peer nominated, National award for outstanding achievement in Canadian Entomology by a scientist under 40.

## Caroline Nieberding



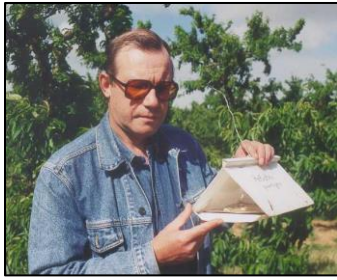
After her graduation in 2005 with a Ph.D. studying host-parasite interactions (Montpellier University in France and Liège University in Belgium), Caroline Nieberding obtained a Marie Curie Postdoctoral European Fellowship in Paul Brakefield's lab at Leiden University to study the evolution of sex pheromone communication in butterflies. Since September 2008, she has been an associate professor at the University of Louvain (UCL, Belgium) and has started her own research group in Evolutionary Ecology and Genetics. Her primary research interests lie in the evolution of reproductive isolation: she investigates the genetic bases of speciation in natural populations, addressing this question in three biological systems: host-parasite interactions using rodents and various ecto- and endoparasites, the chemistry of reproductive interactions using butterflies, and the evolution and plasticity of dispersal using the spider mite *Tetranychus urticae*. Caroline has published 2 chapters and 18 articles, including in the journals *Ecology Letters* (2), *Proceedings of the Royal Society of London* (2) and *Trends in Ecology and Evolution* (1). Using the model butterfly genus *Bicyclus*, she is attempting to estimate the importance of sexual selection and plasticity of mate choice in the evolution of reproductive isolation in the genus, using an integrative approach of behavioral ecology, chemical ecology, electrophysiology, molecular biology and bioinformatics.

## Teun Dekker



Teun Dekker is an associate professor at the Swedish University of Agricultural Sciences, Alnarp, Sweden. In 2002 he received a Ph.D. in Entomology and Evolutionary Biology from the University of California, Riverside with Prof. Ring Cardé, which was followed by postdoctoral training with Prof. Bill Hansson in Sweden. His works focuses on coding and evolution of olfactory circuits and invasion biology. Prime models include *Drosophila* species, particularly *D. melanogaster*, *D. sechellia* and *D. suzukii* (coding and evolution of host preference and sensory correlates of host shifts), *Ostrinia nubilalis* and its sister taxa (coding and evolution of pheromone and host preference), *Bactrocera* species (sensory correlates of invasion), and mosquitoes (behavior and physiology of host orientation, and oviposition) and includes methods in molecular biology, neurophysiology, behavior and ecology. In 2011 he co-organized the African Chemical Ecology Meeting, SEMIO-11, in Nairobi, Kenya, attendance of which by several African colleagues was supported by ISCE. Teun has published 32 papers on insect chemical ecology.

## Alex Il'Ichev



Alex has more than 35 years (17 years in Australia) of experience as an Entomologist (Research Scientist) in Plant Protection and AgroBioChemical Institutions dealing with investigation, development and adoption of biological and chemical methods for Plant Protection in Agriculture, Forestry and Quarantine. Alex was one of the leading scientists responsible for development and implementation of pheromone-based IPM in the former Soviet Union.

After migrating to Australia from Russia in 1995, Alex worked as a Technical Officer at the Biological and Chemical Research Institute in New South Wales. In 1996, Alex began as a General Entomologist at the Institute of Sustainable Irrigated Agriculture, Tatura, now called BioSciences Research Division, DPI Tatura Centre, where he has led several major projects on the use of pheromone and semiochemical based Integrated Pest Management (IPM) for control of Oriental Fruit Moth (OFM), Codling Moth (CM) and Carpophilus beetles (CB) in orchards.

Since his DPI appointment in 1996, Alex has initiated and conducted a number of industry-funded projects including Horticulture Australia projects "Wide area mating disruption of OFM," "IPM strategy using the pheromones for control of OFM and CB in orchards," "Area-wide mating disruption for OFM and CM control in fruit," in collaboration with entomologists from Michigan State University and currently a 5-year project "Towards sustainable pheromone-based IPM in orchards." In 2005, Alex established a new laboratory of "Chemical Ecology and Insect Electrophysiology" capable of conducting a wide range of studies in chemical ecology.

Alex has organized many symposia at meetings and congresses in Australia, China, Korea, and the United States. In 2007 he delivered a Keynote Speech at the 4<sup>th</sup> APACE in Tsukuba, Japan and gave an invited lecture to the XVI International Plant Protection Congress in Glasgow. In 2008 he presented a Keynote talk at the XXIII International Congress of Entomology in Durban and in 2012 at the ICE at Daegu. Alex has served as a Councilor from Australia, Executive Treasurer and Secretary of the Asia-Pacific Association of Chemical Ecologists (APACE) and currently he is Vice-President (President-elect). Alex is organizing our forthcoming joint meeting with APACE in Melbourne.

Alex has published more than 160 scientific works, including 63 refereed scientific publications, with more than 90 works (25 refereed publications) published in Australia and 70 scientific works published in the former USSR, including 4 books and 7 patents for sex pheromones of Lepidoptera.

## News and Positions Available

News and available positions are continuously posted and updated on the ISCE website.

- Current News: <http://chemecol.org/>
- News Archives: <http://chemecol.org/archives.shtml>
- Employment Listings: <http://chemecol.org/employment.shtml>