



# NEWSLETTER

## International Society of Chemical Ecology

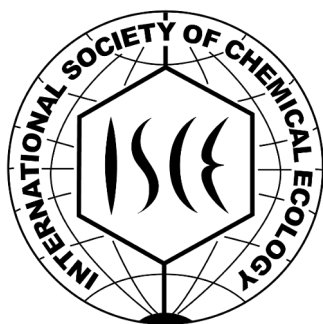
Volume 36 | Issue 3 | 26 September 2019

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### — Important Dates —

- ◇ **31 January 2020**  
Deadline for nominations of a new vice-president, councilors, and candidates for ISCE awards



### Message from the President

Not too long ago, the 35<sup>th</sup> Annual Meeting of the International Society of Chemical Ecology (ISCE) has been held in the beautiful U.S. southern metropolitan city, Atlanta. As always, we have concluded with another huge success, attracting over 280 ISCE members from all over the world. On behalf of the Society, I would like to thank Mark Hay and Julia Kubanek from the Georgia Institute of Technology, as well as all local organizing committee members for bringing us another exciting meeting with many fascinating research studies in marine chemical ecology, in addition to our traditional outstanding research accomplishments. Obviously, this inevitably creates a lot pressure for our future conference organizers, as the bar of organizing conference has been raised year after year. However, I am confident that there are no limits to what we can achieve.



Needless to say, the ISCE community is probably one of the best scientific societies that I have been a part of in the past 30 years of my scientific career. In today's age, our increasingly diversified chemical ecology world has drawn tremendous interest from scientists of other scientific fields to explore novel ideas in all scientific disciplines. Our membership has been on a steady growth path, with approximately 400-500 members each year. However, over 80% our members are from US and Europe, thus, as an international organization we are striving to recruit more members from the Asian-Pacific and Latin American regions.

One of major goals of the ISCE is "to promote the understanding of interactions between organisms and their environment via naturally occurring chemicals". Since 1983, the ISCE has worked tirelessly to develop a global reach via its flagship journal, the Journal of Chemical Ecology (JCE), and ISCE annual meetings have been held in almost five continents. In particular, we are encouraging the participation of students and early career scientists from developing countries. In 2019, initiated by Coby Schal, Paulo Zarbin and Jerry Zhu, the three chemical ecology societies have established the first joint ISCE-ALAEQ-APACE Conference Participation Award and Student/postdoctoral Conference Travel Awards to support their participation in conferences organized by three societies, respectively. This year, we have successfully sponsored three students from ALAEQ to attend the ISCE Atlanta meeting, and one ALAEQ student member and one ISCE councilor will join the APACE conference in China.

Fortunately, ISCE is supported by volunteers who contribute their time to promoting science and its global impact. The spirit of volunteerism has transformed us into a more influential, professional society with more significant impacts than most professional societies. As president, I sincerely appreciate all members of the ISCE community, particularly our past president Coby Schal, who has accomplished several seemingly impossible tasks that have benefitted the society tremendously. I would like to extend my utmost gratitude to our Executive team members combining all the talents and experience, which make my job just a bit easier. They are Vice-President Andrés Gonzáles, Journal of

## Message from the President, continued

Chemical Ecology Editor Gary Felton, webmaster Robert Mitchell, our new Treasurer Kerry Mauck, not to mention our most important ISCE Secretary Irena Valterová, who has served for the society over 5 years and keeps everything in good order. I want to acknowledge our Councilors for their involvement in Society governance and service, as well as judges during this year's conference. We have 12 councilors who evaluated over 50 posters and 45 oral student presentations (each had to judge about 25-30 posters and presentations). Thanks for your hard work! Oh, let's not forget our fundraising foundation chair, Ted Turling, who has successfully recruited industry sponsors supporting various ISCE activities. Furthermore, many thanks to Peter Ockenfels (*Syntech*) for your continuous support for the Golden Probe Award. Recently, we have received another generous gift from *Bedoukian Research* to further support the ISCE Student/Postdoctoral Conference Travel Awards. Thank you, Robert Bedoukian, Lacey Cole and Emily Kuhns.

Becoming an ISCE member is probably the best decision I have made over my entire scientific career. As I mentioned earlier, **ISCE** is a diverse community of chemical ecologists. It doesn't matter whether you are a senior member or a junior chemical ecologist of the society, or from which parts of the world you hail. We are all closely related within the same 'BIG' family. We should all care and help each other in both life matters and scientific careers. I joined the **ISCE** when I was a PhD student in 1990, when Wittko Francke was the then **ISCE** President. As my career has developed, I have benefited immensely from help and guidance from many pioneering chemical ecologists in our society. The most impressive thing to me is that many of them are still contributing tremendously but anonymously. For instance, Wittko Francke has voluntarily helped make the ISCE Silver Medals and other award certificates over 15 years. We salute all our pioneers and wish them all good health and long happy lives ahead. However, we certainly cannot expect to live forever. In 2019, our society lost two eminent members, Prof. Kenji Mori and Prof. Koji Nakanishi. Although both pioneers passed away, they leave behind a legacy of hundreds of students and worldwide collaborators who have contributed and will continue to contribute in academia and industry related efforts to the fields of chemical ecology. **ISCE** has decided to have a special symposium to celebrate their significant contributions at the next annual meeting in South Africa (2020).

Although we sadly bid farewell to our pioneer chemical ecologists, I am extremely excited to see many young members joining our society in recent years. You are the new blood of our society and the future of **ISCE**. We should do more in communication with people outside the scientific community and extend our fascinating chemical ecology to the public. As technology advances, social media has become a more important tool used to approach the world. With the leadership of our two young scientists (Christelle Robert and Kerry Mauck), we will establish a social media group to support the presence of the **ISCE** society and its flagship journal (**JCE**)

via some popular platforms such as Twitter, Facebook, and LinkedIn, etc. This will obviously create many more opportunities to increase the visibility of the **ISCE** and further expand our impact globally. As your elected President, I thank you for your trust. Let's work together to make the ISCE the most beloved and influential professional society in scientific communities.

Sincerely yours,  
Junwei *Jerry* Zhu, ISCE President

## Message from the Past-President

Time flies when you're having fun! It's amazing how fast the year went by serving as your ISCE President. In this column, I'd like to reflect on a busy year for the ISCE. Soon after the close of the 2018 meeting in Budapest, the ISCE Executive Committee (EC) identified several challenging areas that needed to be addressed in the "off-season" before the 2019 meeting in Atlanta.



### ISCE Awards:

One of the most challenging and rewarding activities is evaluating nominations for the Early Career Award, Silverstein-Simeone Award, and Silver Medal Award. Congratulations to **Danielle Dixon** (University of Delaware, Delaware, USA) for winning the Early Career Award and presenting an awesome lecture in Atlanta. **Stefan Schulz** (University of Braunschweig, Braunschweig, Germany) won the Silver Medal Award and **Aleš Svatoš** (Max Planck Institute for Chemical Ecology, Jena, Germany and Czech Academy of Sciences, Prague, Czech Republic) won the Silverstein-Simeone Award. Both will present plenary lectures at the 2020 meeting in South Africa. Thanks go to Past President Anne-Geneviève Bagnères who chaired the awards committee. The EC also aligned the award names with the plenary lectures, so the winner of the **Silver Medal Award** presents the *Silver Medal Award Lecture*, the **Silverstein-Simeone Award** winner presents the *Silverstein-Simeone Award Lecture* and the winner of the **Early Career Award** presents the *Early Career Award Lecture*. Sounds simple, but there has been a lot of confusion about the award names. The EC also extended eligibility for the **Early Career Award** from 8 to 10 years post PhD. Finally, the Call for Nominations for ISCE Awards, which was available only in the Newsletter, is now posted on the ISCE website (<https://www.chemecol.org/nominations.shtml>) with clear delineation of each award's eligibility and nominations requirements, a summary of the review process and a conflict of interest statement. Thanks go to webmaster Robert Mitchell for quickly implementing these changes.

### New ISCE Travel Awards:

The EC implemented two new initiatives to strengthen ties between ISCE, ALAEQ and APACE. The first is the **ISCE-Sponsored ALAEQ and APACE Travel Awards**, which provide ALAEQ (in even years) and APACE (in odd years) \$2,500 to

## Message from the Past-President, continued

support Ph.D. students, postdocs, and early career scientists to attend the ISCE meeting. Two Ph.D. students and a postdoc from Uruguay and Argentina attended the meeting in Atlanta, with ALAEQ's cost-match that brought the total awards to \$3,000. The second initiative is the **ISCE Travel and Participation Award**, which provides partial support (\$1,500) for an ISCE member to attend an ALAEQ or APACE conference. APACE invited Anat Zada (The Volcani Center, Israel) to its meeting in Hangzhou, China, and cost-matched this first award with \$1,500. Thanks go to **Carmen Rossini** (ALAEQ President) and **Junji Takabayashi** (APACE President) for helping to implement these awards. It is critical that the three chemical ecology societies collaborate, share resources, host joint meetings, and together mold the next generation of international chemical ecologists. These initiatives are a first steps in recognition of these goals.

### Sponsorship for Student and Postdoc Travel Awards:

There are many benefits of ISCE membership, but most evident among them is attendance of the ISCE meeting. A recurring theme in Newsletter messages from ISCE Presidents, and indeed all scientific societies, is concern about attracting and retaining student and early career members. This is particularly challenging for ISCE because our annual meetings are international (Cape Town South Africa in 2020, Putrajaya Malaysia in 2021, and Bangalore India in 2022) and therefore rather expensive for many of our members. National and regional societies have tackled the challenge of declining student membership with investments in scholarships, travel awards and opportunities to volunteer in exchange for reduced or defrayed registration. Discussions within the EC about this issue have ranged from calls to maintain a dozen or so travel awards (fiscal prudence/conservatism) to dipping into ISCE reserves (fiscal liberalism, or fiscal irresponsibility?) and increasing the number and amounts of travel awards. Over the last 5 years, travel awards ranged from 11 (2018) to 16 (2015) (<https://www.chemecol.org/travelawards.shtml>), but generally more awards meant less committed to each award. Of course, the obvious solution is to increase sponsorship, which would support more travel awards. In 2019, we offered 19 awards (plus 3 awards to ALAEQ members), with the expectation (hope?) that sponsorship will follow. We were thrilled to attract a major new sponsor—**Bedoukian Research**. Robert Bedoukian has generously committed \$6,250 per year to support 5–8 **Bedoukian Research Student and Postdoc Travel Awards**. In addition, the **Bedoukian Applied Semiochemical Research Travel Award** will provide \$2,000 in travel support to a student, postdoc, or early career researcher (<10 years after the Ph.D.) working in the field of applied chemical ecology. Finally, **Bedoukian Research** is sponsoring the **ISCE Presidential Tie and Scarf Design Contest**. An announcement will be out shortly; the winning design will be made into a tie and a scarf (\$250) and the winner will receive \$1,000 and one of the **Bedoukian Research Student and Postdoc Travel Awards** (~\$1,250). On behalf of the ISCE, I thank **Robert Bedoukian**, **Lacey Cole** and **Emily Kuhns** for spearheading these three new initiatives. It was a pleasure working with chemical ecologists

with a long-term commitment to support the goals of the ISCE. I also hope that this serves as a model for other potential sponsors. Like the Call for Nominations for ISCE Awards, which is now posted on the ISCE website, the Call for Travel Awards will be posted shortly.

### Governance:

Special thanks to ISCE Secretary **Irena Valterová**, who keeps the EC on track and in fact reminded me that this column is way overdue! Also thank you to our departing Councilors (Kirk, Hillier, Robert Junker, Thomas Schmitt, Johannes Stökl, and Ken Haynes) for 3 years of ISCE service (15 years of service by Ken, who also served as Treasurer and President). The ISCE is in good hands with **Junwei (Jerry) Zhu** as President and **Andrés González** as Vice President. Both have extensive experience with society governance through their active engagement not only with ISCE, but also with APACE and ALAEQ, respectively. Immediately after the Atlanta meeting, the EC became engaged in drafting two documents: (1) a short **ISCE Guidelines for Proposals to Host a Future Meeting** was completed and will be posted on the web as a guide to potential meeting organizers, and (2) a much more extensive **Guidelines for Hosting an Annual Meeting of the ISCE**, led by Vice President **Andrés González**, is being discussed by the EC and Councilors; it provides guidelines and resources to meeting organizers.

### Annual Meeting:

We had another successful annual meeting in Atlanta, Georgia, organized by **Mark Hay** and **Julia Kubanek**. I want to thank them and their team for volunteering the huge amount of time, effort, and resources in organizing the conference. It is particularly challenging to lead such an effort in a large urban center, and Mark and Julia led a most successful a memorable meeting. The venue on the Georgia Tech campus was terrific and the diversity of presentations broadened the usual ISCE “portfolio” into aquatic- and microbiome-related chemical ecology.

### Social Media and Engagement:

An area that I had hoped ISCE would address in 2019 was “Advocacy for research funding, evidence-based policy deliberations and science communication” (see Newsletter 35.3 – [https://www.chemecol.org/newsletters/vol\\_35\\_3.pdf](https://www.chemecol.org/newsletters/vol_35_3.pdf)). This is a challenging area for all major academic societies, as legislators and the public are bombarded by conflicting information about major regional and global scientific issues that affect society. ISCE should have greater social media presence and several of our younger members have stepped forward at the Atlanta meeting to organize and lead this effort.

My gratitude to previous and current officers and members of the ISCE who helped me consolidate and implement a challenging agenda for 2019. In particular, the “behind the scenes” work of Secretary **Irena Valterová**, Treasurer **Kerry Mauck**, and the **Councilors** of the ISCE defines excellence in volunteerism.

I look forward to seeing y'all at the 2020 ISCE meeting in South Africa.

Sincerely,  
Coby Schall, ISCE Past-President

## Summary of the ISCE meeting in Atlanta

On 2-6 June, the Annual Meeting of the ISCE was held at the Georgia Institute of Technology (Georgia Tech) in Atlanta, Georgia, USA. The meeting was organized locally by faculty representing Georgia Tech, Georgia State University, and Emory University and supported by the efforts of the ISCE Executive Committee. There were 280 registered participants from 32 countries, representing all continents but Antarctica. The meeting was organized in around 19 themed sessions led by 34 session co-chairs who did an excellent job of recruiting a strong mix of synergistic speakers that presented ~160 oral presentations, with an additional ~100 posters. Many student and other early career researchers attended for the first time, bringing expertise from diverse fields including microbial dynamics, climate change, symbiosis, metabolomics, and applications of chemical ecology. The meetings ended with lively interactions at the banquet in the Atlanta Botanical Gardens. Julia Kubanek and Mark Hay (the meeting hosts) thank all who attended for an excellent meeting and look forward to seeing everyone next year in South Africa.

Julia and Mark

## Student Travel Award Winners

Caesar Lindsay, USA  
Bae Munhyung, USA  
Paudel Sulav, USA  
Roggatz Christina, UK  
Schleyer Guy, Israel  
Saripah Binti Bakar, Malaysia  
Balaraman Priya, Canada  
Chiu Christine C., Canada  
Cofer Tristan, USA  
Derstine Nathan, USA  
Fischer Andreas, Canada  
Gao Ke, Netherlands  
Johnson Todd D., USA  
Rigby Kristie, Sweden  
Blanchard Solène, Belgium  
Eckshtain-Levi Noam, USA  
Mittal Neha, USA  
Moris Victoria, Germany  
Nevo Omer, Germany

## ALAEQ/ISCE travel awards

Maria Eugenia Amoros, Uruguay  
Lucia Ibarra Bouzada, Argentina  
Paula Gonzalez, Argentina

## Best Student Contributions

### Best oral presentations

Benedikt Geier, Germany  
Franziska Speck, Germany  
Stephanie Birnbaum, USA

### Best posters

Bhuwan Chhetri, USA  
Lauren Brzozowski, USA  
Taylor Paret, USA

### Royal Society of Chemistry Award for best posters

Mittal Neha, USA  
Adams Seira, USA  
Nguyen Linh, USA

### Syntech Electrophysiology Award

Lucia Ibarra Bouzada, Argentina



## Upcoming Meeting: ISCE 2020 in Stellenbosch, South Africa

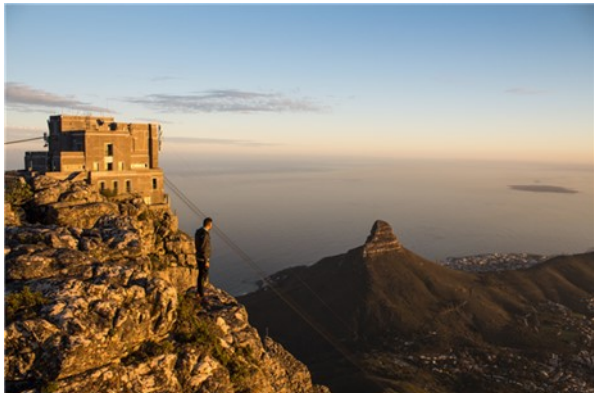
The 36<sup>th</sup> annual meeting of the International Society of Chemical Ecology will be held in Stellenbosch, South Africa from 6 - 11 September, 2020. The event is hosted by Drs. Jeremy Allison from the Canadian Forest Service, Christian Pirk from the University of Pretoria, Francois Roets from Stellenbosch University and Bernard Slippers from FABI, University of Pretoria.

The theme of the conference "Chemical Ecology and Sustainable Development" emphasizes the immense potential chemical ecology has to both inform our understanding of the natural world and the potential for practical applications. Talks will cover the chemistry, biochemistry and function of natural products, their importance at all levels of ecological organization in diverse taxa, and their evolutionary origins.

The ISCE 2020 conference will primarily be held at the Conservatory on the campus of Stellenbosch University. The historical oak-lined university town is nestled amongst the Hottentots-Holland Mountains in the Cape winelands district of the Western Cape Province. The scenic beauty of the area, state-of-the-art, environmentally friendly facilities and technology, makes for the unique character of Stellenbosch University. On September 8, the meeting will decamp from Stellenbosch via tour buses and convene for a half-day session at the Kirstenbosch National Botanical Garden. Regarded as one of the great botanic gardens of the world, Kirstenbosch contains over 7000 species of plants from southern Africa. The 528-hectare Kirstenbosch Estate (which includes the Garden) falls under the Cape Floristic Region, which is a UNESCO World Heritage Site. The half-day morning session will be followed by a free afternoon in which delegates can explore the garden, or visit the many nearby attractions (Cape Town Waterfront, Table Mountain, Two Oceans Aquarium, Robben Island). Before boarding the tour bus to return to Stellenbosch, delegates can visit one of the many critically acclaimed and highly affordable restaurants in Cape Town. Daily, student, ISCE member, and non-member registration costs have been fixed at 2000, 4500, 6500 and 8000 Rand (ca. 135, 305, 440 and 540 USD; or 125,

275, 400 and 490 Euros) (please keep in mind that these numbers will vary with the value of the Rand).

In order for delegates to experience the beauty of South Africa and Cape Town, delegates are encouraged to incorporate a few tours before or after the meeting. For up to date information about the conference, scientific program, registration dates and to find links to the many tourism options available in South Africa please visit [www.isce2020.com](http://www.isce2020.com).



## The 2019 ISCE Silver Medal to Valerie Paul

**Valerie Paul presented this year's ISCE Silver Medal Award Lecture, sponsored by the Delwart Foundation. The title of her lecture was "Marine Chemical Ecology in a Changing Ocean".**

Valerie has made seminal contributions to marine chemical ecology. She was for some time director of the Guam Marine laboratory where, as full professor, she stayed until 2002. Then she moved to the Smithsonian Institution to direct the Smithsonian's Marine Station in Fort Pierce, Florida, as Head Scientist and Director of the Caribbean Coral Reef Ecosystems, until today. She has been a fellow of the American Association for the Advancement of Science since 1996, and was the chairperson of the Marine Natural Products Gordon Research Conference in 2000.



Her research in the Caribbean and the Pacific allowed her to make comparison related to marine biodiversity in these different oceans and to possible anthropogenic impacts on the different marine ecosystems. She specialized in researching the ecology and chemistry of *Cyanobacteria*, blue-green algae, blooms. More specifically in her coral reef ecology research, she is studying the impact of cyanobacterial bloom on coral reefs and larvae of reef building corals.

She has been a teacher and mentor to multiple generations of chemical ecology' students and young researchers. Since her first publication in 1979, she published an impressive list of papers in top journals, chapters and review articles, over 280 to date, and contributed regularly to our journal, the Journal of Chemical Ecology.



In Atlanta, it was great to hear so many talks and to read many good posters on marine chemical ecology and we could see her heritage in that.

## The 2019 ISCE Silverstein-Simeone Award to Monika Hilker

**Monika Hilker presented the Silverstein-Simeone lecture of the ISCE, sponsored by Springer, at the 2019 meeting in Atlanta. The title of his lecture was "Inconspicuous, but impactful: Insect eggs and their chemoeological interactions with enemies and plants".**

Monika Hilker is Full University Professor at the Institute of Biology, Applied Zoology/Animal Ecology, Freie Universität Berlin, Germany. She received her Diploma in Biology in 1983 at

and olfactory orientation of bark beetles. Monika completed a PhD in 1986, also at the University of Göttingen, in Biology, working on oviposition deterring pheromones in moths, and this is when she developed a passion for investigating... insect eggs. In 1987 Monika took an Assistant Professor position at the Institute of Animal Ecology, University Bayreuth, and completed a Habilitation in 1993, working on the chemical ecology of juvenile stages of chrysomelid beetles. Since 1994, Monika has been at Freie Universität Berlin.



Monika refers to the insect egg as the “origin of insect life”, and over the years her group, in collaboration with numerous other international teams, has sought to understand how such a highly vulnerable, immobile life stage copes with pathogens, predators and parasitoids. Her chemoecological studies have been highly original and creative, and Monika’s research has resulted in a paradigm shift in the chemical ecology of insect (egg)-plant interactions. Over the years, she has investigated three major topics: (1) Chemical defenses of insect eggs against pathogens and parasitoids (usually maternally and/or paternally derived); (2) Plant chemical and mechanical defenses against insect eggs induced by egg deposition (tritrophic interactions among the egg, plant and parasitoids, the “cry for help” syndrome); and (3) Plant defenses against insect larvae primed by egg deposition (the egg “warns” a plant of future feeding damage by the hatching larva). Through these and other studies, Monika and her team have contributed to our understanding of the evolution of complex tritrophic interactions, and the nature of “infochemical webs” that could be used for developing biological control strategies.

Monika Hilker’s achievements are represented in more than 140 high-impact research, review and opinion papers in top journals, including *Nature*, *PNAS*, *Biological Reviews* and *Ecology Letters*, and 20 papers in the *Journal of Chemical Ecology*, some of which are her most cited papers. Monika’s co-edited book with Torsten Meinert, “*Chemoecology of Insect Eggs and Egg Deposition*” (400 pages) is the Bible of insect egg ecology.

Monika has had a long-term commitment to the ISCE and the *Journal of Chemical Ecology*. She served as ISCE Councilor in 1994–1997, on the Editorial Boards of *Journal of Chemical Ecology* and *Chemoecology*, as Associate Editor of the *Journal of Chemical Ecology* (2004–2013), and as President of the *International Society of Chemical Ecology* (2010–2011).

Monika has also taken on major organizational responsibilities, most recently as Leader (Speaker) of a Collaborative Research Centre (CRC-973) on the topic of “*Priming and Memory of Organismic Responses to Stress*”. This group of 17 projects, representing several institutions, started in 2012 and is currently funded in its second phase by the German Research foundation. This CRC’s major aim is to link ecological science with molecular biology and biochemistry, and to promote scientific training of PhD students through the Research Training Group. In addition, under Monika’s leadership, the group established a common

database to facilitate data comparisons and metadata analyses.

## Early Career Award to Danielle Dixon

Danielle graduated from James Cook University Australia with her Ph.D. in marine studies and was awarded the University Medal as well as her thesis being marked with the distinction of Cum Laude in 2012. She began a postdoc with Mark Hay at Georgia Institute of Technology. During her two years working with Mark, she published a number of highly cited manuscripts including 2 Science papers. Danielle has received a number of competitive grants and fellowships, including the Gordon and Betty Moore Foundation, the Sloan Fellowship, National Institutes of Health, and the National Science Foundation. Danielle’s research has been cited by over 4,000 manuscripts and she has been prolific in her publication with over 50 publications in her 11 year career.



Danielle is an exceptional experimental behaviorist and ecologist that is rapidly emerging as an authority in the areas of reef fish ecology, behavior, and the effects of global change, ocean acidification, and habitat degradation on marine populations - almost always with a focus on the role of chemical sensing in altering organism behavior and the ecological consequences of this under climate forcing. During her early work, Danielle made remarkable advances in understanding the importance of olfactory cues during fish settlement from the plankton to the benthos, the impact of anthropogenic stresses on this cuing behavior, and the effects of this altered behavior on marine populations and communities. These discoveries have important implications for conservation, management, and sustaining ecosystem function. Using flumes and odor cues, Danielle conducted pioneering investigations of several questions pertaining to the detection of appropriate settlement habitats, the avoidance of predators, and how these behaviors were suppressed, or even reversed, by anthropogenic drivers such as ocean acidification.

Danielle’s innovative approach to understand the behavioral consequences that anthropogenic pressures have on marine organisms and the key role that altered behavior in response to chemical cues and signals make her research extremely important for marine conservation, and accessible to a range of audiences. Danielle is a strong academic, gifted speaker, and innovative scientist. She is young, but already changing the foundations of her field. She is not emerging, but actually has emerged, as an innovative, intellectual leader in her discipline.

## 2020 ISCE Award winners

The ISCE Executive Committee and the Councilors considered nominations for the ISCE Silver Medal and Silverstein-Simeone Award 2020. **Stefan Schulz** (Institute of Organic Chemistry, Technical University Braunschweig, Germany) won the ISCE Silver Medal for his achievements in the field of identification and synthesis of biologically active natural products. His research activities cover an admirably broad range from microorganisms and insects to vertebrates. **Aleš Svatoš** (Max-Planck Institute of Chemical Ecology, Jena, Germany) won the Silverstein-Simeone Award for his outstanding work in developing new chemical and spectral methods for the top research in chemical ecology. Both winners will give talks at the 2020 ISCE Annual Meeting in South Africa. Their detailed introduction will be included in one of the next ISCE newsletters.

**Congratulations to all award winners!**



## Call for nominations

### 2021 ISCE Silver Medal and Silverstein-Simeone Award, and 2020 Early Career Award

**The ISCE Silver Medal Award** recognizes career achievement by an outstanding scientist working in the field of Chemical Ecology.

**The Silverstein-Simeone Award**, established in 1995, to honor Milt Silverstein and John Simeone, is made on the basis of recent or current work of an outstanding nature at the “cutting edge” of Chemical Ecology. The recipient must deliver a plenary lecture at the annual ISCE meeting and publish a paper on the same topic in the Journal of Chemical Ecology. The Society gratefully acknowledges the very generous support of the Jean-Marie Delwart Foundation and Springer for the Silver Medal and Silverstein-Simeone Awards, respectively. Nominators should be ISCE members in good standing. Nominations will be reviewed by the President and Vice President for relevance to the appropriate award, before forwarding them to the full ISCE Executive Committee and Councilors. Should a nomination for one award be considered more relevant for the other award, the President will contact the nominator(s) regarding reconsideration. Current ISCE officers or councilors are not eligible for the awards because of a conflict of interest. Note that previous, unsuccessful nominations must be re-nominated to be considered for an award and the nomination packets for an individual resubmitted.

**The Early Career Award** in Chemical Ecology recognizes an emerging leader in chemical ecology and honor cutting-edge research that will influence the future direction of the field of Chemical Ecology. It was established in 2014. The award is limited to persons who graduated from their Ph.D. studies no longer than 10 years previously. The recipient must deliver a plenary lecture at the annual ISCE meeting in the year of the application. The conference fee, reasonable economy travel, and

hotel expenses of the recipient of the Award will be paid for by the society. The nominations will be reviewed by the ISCE Executive Committee and Councilors. Note that previous, unsuccessful nominations must be re-nominated to be considered for the award. An applicant can nominate him/herself or be nominated by an ISCE member.

**Nominations for each of three awards require documents listed on the ISCE website:**

<https://chemecol.org/nominations.shtml>

**Please include all parts of the nomination packet (including supporting letters) in one pdf file and submit in electronic format to ISCE President:**

Junwei (Jerry) Zhu, United States Department of Agriculture, ARS-AMRU, Lincoln, NE 68583 USA  
E-mail: [president@chemecol.org](mailto:president@chemecol.org)

## Vice-President and Four Councilors

The **Vice-President** is a voting member of the Executive Committee. The Vice-President becomes the Society President in the year following tenure as Vice-President, Past President in the next year, and remains as councilor for three years after that. **ISCE Councilors** are elected for a term of three years. It is important that councilors contribute to the running of the society and attend at least two ISCE Executive meetings during their three-year tenure. Principal responsibilities include participation in the selection of the Silver Medal and Silverstein-Simeone Awards, providing general guidance, advice and assistance to the Executive Committee, and judging student competitions at the annual meeting. It is recommended that a person nominated for the above positions should have a strong record of participation in the Society’s activities and meetings.

**Please send names, contact addresses, phone numbers, and e-mail addresses of candidates along with a short description of why you think the candidate(s) would be suitable for office to Coby Schal. Please ensure that the person agrees to being nominated before you nominate them.**

Coby Schal, Ph.D Blanton J. Whitmire Distinguished Professor  
Department of Entomology & Plant Pathology, North Carolina State University, Raleigh, USA.

E-mail: [past.president@chemecol.org](mailto:past.president@chemecol.org)

**The deadline for all nominations is January 31, 2020!**

# Call for ISCE Presidential Tie & Scarf Design



Sponsored by  
**BEDOUKIAN**  
R E S E A R C H



Bedoukian Research is sponsoring the design of a new **tie** and **scarf** that capture the scientific breadth of the International Society of Chemical Ecology!

## Qualifications:

- The contest is open only to ISCE members and members of affiliated chemical ecology societies ([ALAEQ](#) and [APACE](#)).
- Entries may consist of separate tie and scarf designs, or a single design for both.
- The winning design(s) will be made into a tie (approximately 9 x 150 cm) and a scarf (approximately 20 x 120 cm).
- Design formats: High resolution EPS, TIFF or PDF.

## The design winner will receive:

- A certificate;
- US\$ 1,000;
- One of the Bedoukian Research-sponsored travel awards to the 2020 ISCE meeting in South Africa.

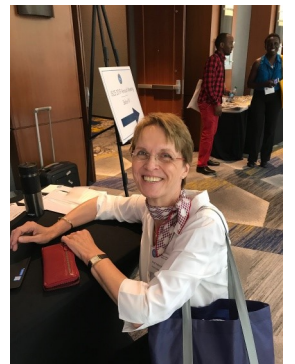
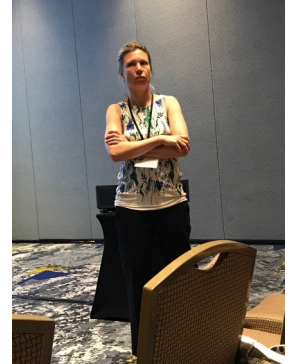
**Deadline for design submissions: 31 December 2019**

Review process: A committee of ISCE Executive Committee members and ISCE Councilors will select the winning design. Please send your design to [president@chemecol.org](mailto:president@chemecol.org).





## Impressions of Atlanta 2019



## Koji Nakanishi Symposium

Dear Colleagues,

It is our honor to announce that a symposium will be held in memory of our respected colleague, esteemed mentor, and cherished friend, Professor Koji Nakanishi. The one-day event will take place at Columbia University's Havemeyer Hall on March 28th, 2020. It will consist of a series of short talks given by former Nakanishi group members and friends, followed by a memorial dinner at Columbia University's Faculty Club.



Please be sure to mark your calendars now! For planning purposes, please respond to the [Google Forms Survey](#) at your earliest convenience to let us know if you are interested in attending the symposium. (Please reply to [weldonp@si.edu](mailto:weldonp@si.edu) with your responses if you are unable to access the [Google Forms Survey](#)).

Professor Nakanishi's ideas and work have had a profound and wide-ranging influence on the field of organic chemistry and will never cease to inspire us. We hope that this symposium will represent an unforgettable tribute to Koji's journey through life and science.

Additional details are forthcoming. We hope to see you in 2020!

With best regards,

**David R. Reichman**

*Chairman of Chemistry, Columbia University*

## Trending

in the Journal of Chemical Ecology

### Most downloaded articles from May — August 2019:

- ◇ **Metabolomics of Thrips Resistance in Pepper (*Capsicum* spp.) Reveals Monomer and Dimer Acyclic Diterpene Glycosides as Potential Chemical Defenses.**  
May/June 2019. Macel, M., Visschers, I. G., Peters, J. L., Kappers, I. F., de Vos, R. C., & van Dam, N. M. [\[link\]](#)
- ◇ **Pheromones and Barcoding Delimit Boundaries between Cryptic Species in the Primitive Moth Genus *Eriocrania* (Lepidoptera: Eriocraniidae).**  
May/June 2019. Lassance, J. M., Svensson, G. P., Kozlov, M. V., Francke, W., & Löfstedt, C. [\[link\]](#)
- ◇ **Plant-Based Natural Product Chemistry for Integrated Pest Management of *Drosophila suzukii*.**  
July 2019. Keeseey, I. W., Jiang, N., Weißflog, J., Winz, R., Svatoš, A., Wang, C. Z., Hansson, B.S., & Knaden, M. [\[link\]](#)
- ◇ **Induced Plant Defenses Against Herbivory in Cultivated and Wild Tomato.**  
August 2019. Paudel, S., Lin, P. A., Foolad, M. R., Ali, J. G., Rajotte, E. G., & Felton, G. W. [\[link\]](#)



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