

INTERNATIONAL SOCIETY OF HETEROCYCLIC

CHEMISTRY 2008 NEWSLETTER

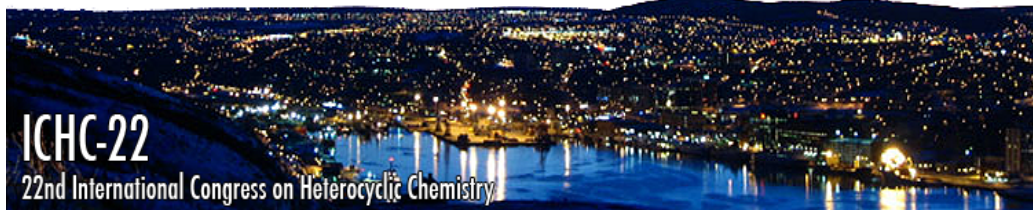
President's Message: We Need You

The last two years have turned out to be more challenging and surprising than any of us expected. As I write, we are still working through a global financial crisis that will leave a mark on chemical science as it will on many other fields. No one will be professionally unaffected, whether by changes in the worldwide employment outlook for chemists or by government and foundation support for academic science. Add to this the flattening and spreading of scientific infrastructure throughout the world that was already underway before the markets shook, and it becomes clear that we, as heterocyclic chemists, are facing a time of uncertainty quite unlike anything we've had to deal with before.

As an international society, the ISHC takes seriously its mission to promote heterocyclic chemistry as it matters to members in all 38 countries represented by our organization. For the reasons below, joining and participating in the International Society for Heterocyclic Compounds makes more sense than ever.

Heterocyclic chemistry is everywhere. If you're an organic chemist, chances are good that you are also a heterocyclic chemist. Not so long ago, "heterocyclic chemistry" was viewed by many as a specialty area for individuals who exclusively worked with flat, often aromatic compounds containing at least two if not more non-carbon ring members (if you were any good!). Since then, heterocyclic chemistry

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August 2-7, 2009 in St. John's, Newfoundland and Labrador, Canada

The 22nd ISHC Congress in St. John's, Newfoundland

On behalf of the Organizing Committee of the 22nd International Congress on Heterocyclic Chemistry (ICHC-22), the International Society of Heterocyclic Chemistry (ISHC), and Memorial University of Newfoundland, I cordially invite you to attend ICHC-22, which will be held during August 2-7, 2009 at the Delta St. John's Hotel and Conference Centre, St. John's, Newfoundland and Labrador, Canada.

St. John's, the capital city of Newfoundland and Labrador, is Canada's oldest and, arguably, the most distinctive city in North America. The rich history and culture and affinity for "small town" quality of life make the city a pleasure in which to live, work, visit and play. A mosaic of fishing villages, cultural festivals and wildlife, St. John's is also an international centre for marine science and technology, and an active centre for investment and business activity in offshore oil development. While attending ICHC-22 take a break, explore the rocky shores, scenic walking trails, and rushing rivers; go whale and iceberg watching; browse the shops on Water Street, or take a stroll down George Street, understood to have the most pubs per square foot of any street in North America; visit the Newfoundland Museum, or the St. John's Fluvarium, the only public fluvarium in North America, or better still watch the sun rise on Signal Hill and set at Cape Spear, the most easterly port in North America. The options are endless and yours to explore while visiting St. John's.

With these amenities at hand, we are very proud to host the 22nd International Congress on Heterocyclic Chemistry in our magical city. We have planned an exciting scientific program with plenary and invited speakers selected from amongst the most globally prominent scientists. To celebrate the accomplishments of Canadian renowned Professor Victor Snieckus, we have planned a special symposium entitled "Focus on Heterocycles in Organic Synthesis Today and Tomorrow". Professor Snieckus and others will join forces to present a pre-symposium plenary and five invited lectures on this topic. The remaining lectures, podium and poster presentations will focus to maximize the productivity of the scientific program. We hope you will join us to participate in this exciting scientific venue and take part in the pre- and post-congress tours, the daily accompanying persons' tours and activities, the afternoon excursion, and the live-entertainment we have planned which is reminiscent of the unique cultural and environmental features of Newfoundland.

We welcome all of you whole-heartily and look forward to serving you at ICHC-22. I trust that this forum will serve as a major forum for exchanges among individuals, each bringing his or her own interests, ideas and issues. I encourage each and everyone to attend this event and participate in everything we have in store for you. Please visit our website at www.ichc2009.ca for the details.

Kind regards,
Professor Mohsen Daneshtalab
Chairman of ICHC-22 and VP of ISHC, Email: mohsen@mun.ca

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has come to embrace a much wider range of molecules and activities, stereochemically rich systems (including natural products), novel catalysts, and carefully designed nanomaterials. Moreover, those classical, flat “very heterocyclic” molecules continue to play an important role across every conceivable corner of chemistry. Through its meetings, publications, and by providing a network of like-minded scientists, the ISHC provides a valuable forum for navigating these increasingly deep but rewarding scientific waters.

Heterocyclic chemistry is everywhere! Heterocyclic chemistry is practiced everywhere in the world, with huge strides being made especially in Asia over the past decade. The international nature of the ISHC means its members can connect with their counterparts in each part of the world. One way that the ISHC has embraced its global mission has been by choosing to rotate our biennial congress between the Americas, Asia, and Europe and by ensuring that our worldwide membership is reflected in the speaker list. I can't think of a better way to make valuable contact with your international colleagues than by joining us in St. John's, Newfoundland in August 2009.

Scientific excellence. The quality of the International Heterocyclic Congress is evident in the list of speakers selected for the St. John's meeting (found below). We believe that this is representative of the outstanding work carried out by our members throughout the world, much of which will be also evident at the Congress in the form of contributed talks and poster sessions. In addition, we have just mailed the annual volume of *Progress in Heterocyclic Chemistry*. Edited by Gordon Gribble and John Joule, this reference work helps the ISHC member navigate the ever-changing waters of heterocyclic chemistry and is more than worth the modest membership fee on its own!

Please urge your colleagues to join the ISHC. To be truly effective and stay vibrant, a scientific society needs to constantly add to its membership. In particular, younger chemists bring fresh ideas and vigor to the table, while themselves gaining a the opportunity to benefit from the experience of existing members. I urge each of you to tell at least two colleagues about the ISHC and ask them to consider joining the society. I hope to see you in St. John's this coming August!

Thanks for reading,
Jeff Aubé, President

Speakers for ICHC22

Plenary Speakers and Award Lecturers include:

Samuel Danishefsky, U.S.A., ISHC Senior Award winner
Norbert De Kimpe, Belgium
Tohru Fukuyama, Japan
Stephen Hanessian, Canada
Toshio Honda, Japan
Steven Ley, United Kingdom
Mukund Sibi, U.S.A.
Robert Williams, U.S.A.
John Wood, U.S.A., ISHC Katritzky Junior Award winner
Lihe Zhang, China

Speakers for the Symposium Dedicated to Professor Victor Snieckus:

Peter Beak, U.S.A.
Scott Denmark, U.S.A.
John Hartwig, U.S.A.
Tomas Hudlicky, Canada
Arshad Siddiqui, U.S.A.

Confirmed Invited Speakers:

Anna Maria Almerico, Italy.
Christopher Easton, Australia
Andrew Evans, United Kingdom
Rick Friesen, Canada
Timothy F. Jamison, U.S.A.
Sung Ho Kang, Korea
Michael Kerr, Canada
Martin Kotorá, Czech Republic
Mark Lautens, Canada
Helene Lebel, Canada
Takahide Nishi, Japan
Hans-Ulrich Reissig, Germany
Abbas Shafiee, Iran
Vinod K. Singh, Kanpur, India
Keisuke Suzuki, Japan

NEW: Bilingual Dictionary of Chemistry

New in 2008: Bilingual scientific dictionary publisher Editorial Castilla La Vieja has just released the **DICTIONARY OF CHEMISTRY** (English - Spanish / Spanish - English): 1,637 pages of terminology and illustrative example sentences in both languages, covering all aspects of chemistry, including: organic and inorganic chemistry, analytical chemistry, pharmaceutical chemistry, industrial chemistry, geochemistry, spectroscopy, food chemistry, radiochemistry, metallurgical chemistry, forensic chemistry, chemistry lab equipment and instruments, huge bilingual appendices of chemical compounds with formulae, and more. More information is available on their website:

<http://editorialcastilla.com/chemistry.html>

2009 ISHC Senior Award in Heterocyclic Chemistry Awarded to Professor Samuel Danishefsky

Samuel Danishefsky completed his BS at Yeshiva University in 1956 and his PhD at Harvard University with Peter Yates. Following postdoctoral studies at Columbia University with Gilbert Stork, he began his independent academic career in 1963 at the University of Pittsburgh, where he became Professor in 1971. In 1980, he moved to Yale University, but returned to New York in 1993 as Professor of Chemistry at Columbia University and Kettering Professor at the Memorial Sloan-Kettering Cancer Center. His research interests include synthetic strategy, reagent development, cytotoxic natural products, and fully synthetic carbohydrate-based tumor antigens. Over the course of his career, Professor Danishefsky has received numerous honors, including the Wolf Prize in Chemistry (1996), the ACS Cope Medal (1998), the H. C. Brown Award (2000), the Benjamin Franklin Award (2006), the NAS Award in the Chemical Sciences (2006), the ACS Roger Adams Award in Organic Chemistry, and the American Association for Cancer Research, Inaugural Award for Chemistry in Cancer Research (2007). He has been a member of the National Academy of Sciences since 1986.

2009 ISHC Katritzky Junior Award in Heterocyclic Chemistry Awarded to Prof. John Wood

John L. Wood was born on December 4, 1961 in Keokuk Iowa. He received a B.A. degree from the University of Colorado in 1985 and a Ph.D. from the University of Pennsylvania in 1991 under the direction of Amos B. Smith, III. In 1991 he moved to Harvard University as an American Cancer Society postdoctoral fellow and continued studying natural products synthesis in the laboratories of Stuart Schreiber. He joined the faculty at Yale University in 1993 as an Assistant Professor and was promoted to Full Professor in 1998. In 2006, Professor Wood joined the faculty at Colorado State University as the Albert I. Meyers Professor of Chemistry. Professor Wood has received a number of awards, including Camille and Henry Dreyfus New Faculty Award, an Eli Lilly Young Faculty Award in 1996, a Glaxo-Wellcome Chemistry Scholar Award in 1996, and a Bristol-Myers Squibb Research Award in 1997. In 1998 Professor Wood was the recipient of research awards from the Bristol-Myers Squibb Foundation, the Yamanouchi USA foundation, and received the Zeneca Excellence in Chemistry Award. In 2000 Professor Wood received a Merck Faculty Award and in 2001 he was awarded The Kitasato Institute's Microbial Chemistry Medal. He was invited to the executive board of editors for *Tetrahedron* publications in 2002 and is currently a co-editor for *Tetrahedron Letters*. Professor Wood was named as a 2004 Cope Scholar by the American Chemical Society and a Fellow to the Japanese Society for the Promotion of Science in 2008.

ISHC on the Internet

Please visit the ISHC's webpage at <http://www.ishc-web.org> for information concerning the Society. This website also provides links to congress pages, newsletters etc. Thanks to our Webmaster Oliver Kappe, for maintaining our website. Feel free to contact your President, Jeff Aubé (jaube@ku.edu), or the 2009 Congress Chair, Prof. Mohsen Daneshtalab (mohsen@mun.ca) by email. Please email any ideas and suggestions on any aspect of the operation of the ISHC by logging onto our home page.

Society Finances

The financial condition of the Society is reasonably solid, thanks also to the increase in membership dues imposed in 2003 (the first such increase in seven years). The 2009 membership dues will thus remain the same level as in 2004: US \$45.00 for regular members and US \$20.00 for student members. We will try to hold dues at this level for as long as possible.

ISHC Membership

Stan Lang, the Society's treasurer, reported that the membership stands at ca. 700 in 2007. Although this represents a relatively large number of members, there has been a decline in numbers in recent years. Considering the tremendous amount of heterocyclic chemistry being done worldwide, we believe the Society could have even more members, and it is important that we try to increase our membership. Therefore the Society must continue to actively recruit new members worldwide in the years to come, and you can help by trying to convince your colleagues, coworkers, and former collaborators that membership in the ISHC has important advantages, several of which are outlined below. Membership would be particularly advantageous for those colleagues planning to attend the Newfoundland Congress in 2009. Also, note that a graduate student membership is relatively inexpensive. Please encourage your students to join since this is a good way to recruit the next generation of heterocyclic chemists into the Society.

Some Benefits Associated with Membership in the ISHC

1. Participation in the Congress at significantly reduced registration rates.
2. Obtain Congress abstracts of papers at no cost even if not in attendance.
3. Subscribe to *Heterocycles* at 20% discount.
4. Receive 25% discount from Elsevier on many different books.
5. Free annual copy of *Progress in Heterocyclic Chemistry*
6. Discounted Chemkey Search Database

Membership Dues

Please notify us of any address changes or corrections when you submit your 2009 dues to our Treasurer, Stan Lang, who also maintains the membership roster. Please also provide him with your email address if you have not already done so. Membership information and methods of payment are found on the ISHC web site: <http://www.ishc-web.org>.

The **annual dues are US \$45.00** (active member) and US \$20.00 (certified predoctoral student member). Multiple year membership subscriptions are encouraged. Please forward your dues by credit card, check, or money order in US dollars made payable to:

The International Society of Heterocyclic Chemistry,

and forward to Stan Lang.

Stanley Lang, Ph.D.
Treasurer, ISHC
Ricerca Biosciences LLC
POBox 1000
7528 Auburn Road
Concord, OH 44077-1000 USA
e-mail: Lang_s@ricerca.com

Alternatively, send the equivalent (only in Euros) to Professor Johannes Fröhlich, Secretary ISHC, Institute of Applied Synthetic Chemistry, Vienna University of Technology, Getreidemarkt

9/163, A-1060 Vienna, Austria, e-mail: jfroehli@pop.tuwien.ac.at
Account No. 51430525359, BLZ No. 12000, BA-CA Bank Austria Creditanstalt, Bank Identifier Code (BIC) BKAUATWW, IBAN No. AT871200051430525359; The account is in the name of: Technische Universität Wien, Karlsplatz 13, A-1040 Wien, Austria.

Many hundreds of heterocyclic chemists are doing active research in Russia, but due to currency exchange/transfer problems it is not easy for them to join the Society. The Society has therefore decided that Russian members may pay their dues in Rubles, equivalent to US \$22.50 (active member) or US \$ 10.00 (certified predoctoral student member), and should be sent directly to Professor Eugene Babaev, Chemistry Department, Moscow State University, Moscow 119899. Since the dues mentioned above are only half of the usual dues of the Society, members paying this way will not receive the free annual copy of *Progress in Heterocyclic Chemistry*, but will be entitled to the other benefits associated with membership. Of course, Russian chemists who pay full membership dues either in Rubles or in US dollars will receive all the benefit options. Payment details (in Russian) are given on the webpage <http://org.chem.msu.su/~babaev/ishc/> and you can send your requests for details to babaev@org.chem.msu.su. Those who wish to pay the ordinary dues in US dollars directly to the Treasurer of the Society should send their dues to Stan Lang.

Progress in Heterocyclic Chemistry

Members of the Society receive gratis individual copies of *Progress in Heterocyclic Chemistry* (Pergamon Press) annually. This important series is now well established, and Volume 20 has recently been published. The Society is most grateful to the editors, Gordon Gribble and John Joule, and their team of authors. The Editorial Advisory Board for PHC for Volume 20 follows.

M. Brimble, University of Auckland, New Zealand (Chairman)
D. St Clair Black, University of New South Wales, Australia

M. A. Ciufolini, University of British Columbia, Canada
T. Fukuyama, University of Tokyo, Japan
A. Fürstner, Max Planck Institut, Germany
R. Grigg, University of Leeds, UK
H. Hiemstra, University of Amsterdam, The Netherlands
D. W. C. MacMillan, Princeton University, USA
M. Shibasaki, University of Tokyo, Japan
L. Tietze, University of Göttingen, Germany
P. Wipf, University of Pittsburgh, USA

The Governance of the International Society of Heterocyclic Chemistry, 2008–2009

Members of the Executive Committee:

President: Jeff Aubé
Vice-President: Mohsen Daneshmand
President Elect: Richard Taylor
Secretary: Johannes Fröhlich
Treasurer: Stan Lang
Publicity Chair: Oliver Kappe
Past President: Margaret A. Brimble

Members of the Advisory Committee:

Mike Martinelli
Tomas Hudlicky
Alois Fürstner
Hiroyuki Ishibashi
Tohru Fukuyama
Volker Jäger



Fellows of the Society

The Constitution of the Society indicates that up to two Fellows can be appointed at each ISHC Congress. I

would like to remind you that any ISHC member can make nominations for new Fellows of the Society. The nominee must have been a member of the Society for at least 5 years, and must have made outstanding contributions to the Society and/or to the field of heterocyclic chemistry. Nominations can be sent to the President at any time. Please provide both a letter of nomination and a copy of the nominee's curriculum vitae.