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21st American Peptide Symposium: Breaking Away

We extend to you a warm Midwestern welcome to the 21st Symposium of the American Peptide Society and Bloomington, Indiana. The meeting theme, breaking away, embraces the spirit of the scientific and social program we have assembled for you. The complete program is available online at www.21staps.org. The unprecedented interest in the use of peptides as drugs separates this period from any other in the history of the Society and it is a direct result of the advances in core peptide chemistry and biology that have been achieved in recent years. Included with an extremely strong international list of scientific opinion leaders are keynote lectures from two CEOs and two CSOs, and a collective of other executives from the pharmaceutical and venture capital sectors.

The meeting opens with a Sunday social gathering at the center of the Indiana University campus. Monday represents a full day focused on advances in chemical biology and receptor signaling, concluding with the advances in chemical synthesis and the Merrifield lecture, to be presented by Dr. Stephen Kent. Tuesday morning begins with a keynote lecture from Dr. Victor Hruby and follows with scientific lectures focusing predominantly on advances in rational design, analysis and material aspects of peptide chemistry. It concludes with a session co-sponsored by the American Association of Pharmaceutical Sciences (AAPS) that pertains to technology accelerating the transition of peptides from the lab to the clinic.

Wednesday is highlighted by the presentation of the Makineni lecture by Bill DeGrado and the first Goodman lecture by Charlie Deber. The day begins with a keynote lecture by Bill Ringo from Pfizer focused on the rapidly changing environment of the pharmaceutical business and what it means to R&D. Sandwiched between the keynote and award lectures is a session focused on developments pertaining to advances in biosynthesis with non-native amino acids. The afternoon is reserved for social and networking events and we have added a panel discussion particularly directed at young investigators. The panel participants are a highly distinguished group of scientific and administrative leaders that have broad experiences in R&D across multiple countries.

The Symposium program moves to peptide biology and pharmacology on the last two days of the meeting. A particular emphasis has been placed on capturing the unprecedented success currently being experienced in peptide-based therapeutics. Thursday begins with a keynote lecture pertaining to the rapid international expansion of R&D, with particular emphasis on Asia. This fourth day of the symposium represents a sampling of several therapeutic areas, most notably neuroscience, infectious diseases and cancer. The day concludes with the traditional evening banquet in a most untraditional format conducive to social interactions.

Metabolic diseases with a particular emphasis on obesity and the related disorders in glucose and lipids are the focus of the last day. The day has been assembled as a satellite

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21st APS: Breaking Away

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to the week long program and the invited speakers are an outstanding collection of international authorities. Obesity and the highly correlative disorder of adult-onset type II diabetes have reached global epidemic proportion. The demonstrated performance of incretin-based peptides and related substances in this therapeutic area has emerged as the most promising therapy and a mixture of preclinical and clinical work with such peptides will be presented.

Each of the first four days will be capped with poster sessions that encourage communication and young investigator participation. The social program is abundant and diverse. Whether your primary interest is the arts, athletics, or outdoor activities, we have something to meet all your needs. The campus and the Bloomington community are easily accessible and filled with enjoyable activities. Of particular note is the Wednesday night social event at the Musical Arts Center where the renowned Jacobs School of Music will stage a performance exclusively for Symposium guests. The Thursday night social banquet, Mix, Mingle & Move, an evening of Martinis, Moonshine and Music, is destined to be one to remember and unlike anything previously experienced at an APS meeting

It has been an honor and a pleasure to assemble this week of science and entertainment. We are anxious to sample it and share it with you. Included in this newsletter is an abbreviated version of the full program termed "schedule at a glance." Our dedicated University-based conference staff and numerous volunteers are anxious to address your inquiries and requests. We look forward to seeing you in Bloomington.

--Richard DiMarchi and
Henry Mosberg, Co-chairs

21st APS - Symposium-at-a-Glance

Sunday, June 7, 2009

1:00 p.m.-7:00 p.m.	Registration	IU Auditorium Lobby
7:00 p.m.-9:30 p.m.	Opening Reception	IU Auditorium

Monday, June 8, 2009

7:30 a.m.-4:30 p.m.	Registration	IU Auditorium Lobby
8:00 a.m.-8:10 a.m.	Welcome: Henry Mosberg & Richard DiMarchi	IU Auditorium
8:10 a.m.-8:30 a.m.	Keynote: Roger Perlmutter	IU Auditorium
8:30 a.m.-10:15 a.m.	Session I: Chemical Biology	IU Auditorium
10:15 a.m.-10:45 a.m.	<i>Beverages & Pastries</i>	<i>IU Auditorium Lobby</i>
10:45 a.m.-12:45 p.m.	Session II: G Protein-Coupled Receptor Structure & Function	IU Auditorium

**12:45 p.m.-2:30 p.m. Lunch/Poster and Exhibitor Viewing
Young Investigator Poster Competition
Preliminary Judging (non staffed) Poster/Exhibit Halls**

2:30 p.m.-3:30 p.m.	Merrifield Lecture: Stephen Kent	IU Auditorium
3:30 p.m.-4:30 p.m.	Session III: Chemical Synthesis	IU Auditorium
4:30 p.m.-6:30 p.m.	Poster/Exhibit Viewing (<i>with refreshments</i>) Young Investigator Poster Competition Preliminary Judging (<i>non staffed</i>)	Poster/Exhibit Halls Poster/Exhibit Halls
7:00 p.m.-10:00 p.m.	Merrifield Dinner (<i>invitation only</i>)	IMU, Federal Room
7:00 p.m.-8:30 p.m.	Young Investigator's Social (<i>students & postdocs only</i>)	IMU, the Commons
7:00 p.m.-12:30 a.m.	Bowling, Billiards, Movies and More	IMU

Tuesday, June 9, 2009

7:30 a.m.-4:30 p.m.	Registration	IU Auditorium Lobby
8:00 a.m.-8:30 a.m.	Keynote: Victor Hruby	IU Auditorium
8:30 a.m.-10:15 a.m.	Session IV: Chemical Biology II	IU Auditorium
10:15 a.m.-10:45 a.m.	<i>Beverages & Pastries</i>	<i>IU Auditorium Lobby</i>
10:45 a.m.-12:45 p.m.	Session V: Peptomics & Material Science	IU Auditorium

**12:45 p.m.-2:15 p.m. Lunch/Poster and Exhibitor Viewing
Dr. Bert L. Schram Networking Lunch
(invitation only) Poster/Exhibit Halls
IMU, Frangipani**

2:15 p.m.-2:30 p.m.	Keynote: John Lechleiter	IU Auditorium
2:30 p.m.-4:30 p.m.	Session VI: Pharmaceutical Science joint session with AAPS	IU Auditorium
4:30 p.m.-6:30 p.m.	Poster/Exhibit Viewing (<i>with refreshments/staffed viewing</i>) Young Investigator Poster Competition Semi-Finalist Judging (<i>staffed</i>)	Poster/Exhibit Halls Poster/Exhibit Halls
7:00 p.m.-10:00 p.m.	Speaker's Dinner (<i>invitation only</i>)	IMU, Tudor Room
7:00 p.m.-10:00 p.m.	Passport to Bloomington	City of Bloomington

Wednesday, June 10, 2009

7:30 a.m.-1:00 p.m.	Registration	IU Auditorium Lobby
8:00 a.m.-8:25 a.m.	Keynote: William Ringo	IU Auditorium
8:25 a.m.-10:15 a.m.	Session VII: Chemical Biotechnology	IU Auditorium
10:15 a.m.-10:45 a.m.	<i>Beverages & Pastries</i>	<i>IU Auditorium Lobby</i>



Richard DiMarchi



Henry Mosberg

21st APS - Symposium-at-a-Glance

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Wednesday, June 10, 2009 (continued)

10:45 a.m.-12:45 p.m.	Session VIII: Award Lectures	IU Auditorium
10:45 a.m.-11:45 p.m.	Makineni Lecture: William DeGrado	IU Auditorium
11:45 a.m.-12:45 p.m.	Goodman Lecture: Charles Deber	IU Auditorium

12:45 p.m.-2:00 p.m. **Lunch** (on your own)

12:45 p.m.-6:30 p.m.	Poster/Exhibitor Viewing and Optional Activities	Poster/Exhibit Halls
12:45 p.m.-2:15 p.m.	Goodman Award Lunch (<i>invitation only</i>)	IMU, State Room East
2:00 p.m.-3:30 p.m.	Panel: A Discussion on Professional Wisdom Gained in Careers Spanning Academia, Biotech, Pharma and Venture Capital	IMU, Whittenberger
3:30 p.m.-5:30 p.m.	CEM: Microwave Peptide Synthesis Workshop	IMU, Dogwood
6:30 p.m.-8:00 p.m.	Meet the Editor-in-Chief Reception	IMU, The Garden
8:00 p.m.-10:00 p.m.	Music at the MAC	Musical Arts Center

Thursday, June 11, 2009

7:30 a.m.-4:30 p.m.	Registration	IU Auditorium Lobby
8:00 a.m.-8:20 a.m.	Keynote: Pankaj Patel	IU Auditorium
8:20 a.m.-10:00 a.m.	Session IX: Peptide Biology: Neuroscience	IU Auditorium
10:00 a.m.-10:30 a.m.	<i>Beverages & Pastries</i>	IU Auditorium Lobby
10:30 a.m.-12:45 p.m.	Session X: Peptide Biology: HIV & Infectious Disease	IU Auditorium

12:45 p.m.-2:30 p.m. **Lunch/Poster and Exhibitor Viewing**

2:30 p.m.-4:30 p.m.	Session XI: Peptide Biology: Cancer	IU Auditorium
4:30 p.m.-5:00 p.m.	Awards Presentations	IU Auditorium
5:00 p.m.-6:30 p.m.	Poster/Exhibitor Viewing (with refreshments/staffed viewing)	Poster/Exhibit Halls
7:00 p.m.-10:00 p.m.	Mix, Mingle and Move (<i>an evening of Martinis, Moonshine and Music</i>)	IMU, Frangipani, Tudor, and Alumni Hall

Friday, June 12, 2009: Satellite Symposium

7:30 a.m.-9:30 a.m.	Registration	IU Auditorium Lobby
8:00 a.m.-8:25 a.m.	Keynote: Gianni Gromo	IU Auditorium
8:25 a.m.-9:50 a.m.	Session A: Peptides in Diabetes & Obesity	IU Auditorium
9:50 a.m.-10:20 a.m.	<i>Beverages & Pastries</i>	IU Auditorium Lobby
10:20 a.m.-12:15 p.m.	Session B: Peptides in Diabetes & Obesity	IU Auditorium

12:15 p.m.-1:15 p.m. **Lunch** (on your own)

1:15 p.m.-3:00 p.m.	Session C: Peptides in Diabetes & Obesity	IU Auditorium
3:00 p.m.-3:20 p.m.	<i>Refreshment Break</i>	IU Auditorium Lobby
3:20 p.m.-5:00 p.m.	Session D: Insulin	IU Auditorium

2009 Goodman Scientific Excellence and Mentorship Award: Charles M. Deber

The announcement that Dr. Charles M. Deber, Professor of Biochemistry at the University of Toronto and Acting Head of the Division of Molecular Structure and Function at the Research Institute Hospital for Sick Children at the University of Toronto, was the first recipient of the Goodman Award of the American Peptide Society is certainly well deserved recognition of Charlie's many scientific contributions to peptide and protein science and to the American Peptide Society.

Professor Deber is known worldwide for his seminal research on the structure and function of membrane peptides and proteins, and in the examination of disease states that involve misfolding of membrane proteins. At the more fundamental level he was among the first to recognize that peptide and protein folding in membranes had fundamental differences from peptide and protein folding in aqueous environments. This led to a critical re-evaluation of the structural properties in amino acids in proteins that are in membrane environments, which has provided new tools for the design of membrane peptides and proteins. Among these tools, the web based TM Finder Program is a most valuable tool, available worldwide.

As a mentor and teacher, Dr. Deber's contributions also have been exemplary. He teaches widely acclaimed courses from large undergraduate courses, to advanced Chemistry courses for graduate students. For his excellent undergraduate teaching he received the W.T. Aikins Award from the University of Toronto. He has mentored more than 60 graduate students and postdoctoral fellows, many of who have gone on to have outstanding careers in academia and industry.

Finally, Charlie has made many outstanding contributions in service to our field worldwide. In addition to being President of the APS from 1991 to 1993, he has been a long time Editor of Peptide Science, on the editorial board of several international journals in our field, and has organized or helped organize several international conferences.

The Murray Goodman Scientific Excellence and Mentorship Award is well-deserved recognition for the above and many other contributions.

Council Elections

The APS Elections for President Elect and Treasurer, along with six Council Members and five Nominating Committee Members, opened on April 8th and closed May 5th, 2009. The Society will announce the final results as soon as the votes are tallied. Stay tuned!



Got Photos?

Did you take a picture of the first peptide being made? Maybe you have a picture of your group at the first American Peptide meeting in 1968 at Yale University in New Haven, Connecticut? A photo of a true meeting of the minds in action? We currently do not have any photos from past symposia prior to the 18th meeting, so if you have any, send them our way!

No worries! Only appropriate and approved photos will be used! Please email your photos, caption/description and contact info to DeAnna W. Long at DWLong@pepnet.com or Becci Totzke at APSmanager@americanpeptidesociety.org.



From top: The Peptide Sisters; Smith, Deber and Taulane; APS Special Recognition Award to Rao Rapaka

Call for Papers: *Biopolymers - Peptide Science*

Biopolymers - Peptide Science wishes to invite your submission of both original research articles and current trend reviews. With our meeting quickly approaching, this is an excellent time to submit your work to the journal.

As we all know, research in all areas of peptide science has dramatically increased as a multitude of disciplines are newly discovering the utility of peptides. The recent surge in developing peptides as novel therapeutics, biomaterials, and as general tools where precise folding and function is needed is driving a revolution in this field. These are very exciting times and BIOPOLYMERS-PEPTIDE SCIENCE will continue to build knowledge, promote communication and facilitate innovative ideas that expand the science of peptides.

Visit <http://www3.interscience.wiley.com/journal/106586621/home> to submit your manuscript. The success of our Journal depends on your involvement.

--Joel Schneider, Editor-in-Chief

FASEB Report

FASEB has been working with members of Congress to provide advice on the level of funding for research over the next few years. On April 2nd, the House approved a measure that sets levels of funding from 2010 to 2014. The next FASEB Board of Directors meeting is at the beginning of June and representatives from the Board, including American Peptide Society representative Ben Dunn, will visit Congress and lobby in favor of increases in funding for NIH, NSF, and DOE, as well as other agencies that support science funding. FASEB also played a significant role in advising NIH on the new rules for peer review that have been under discussion for the past two years. Some of the recommendations made by the Board have been adopted by NIH. FASEB is also currently working on the Individual Development Plan (IDP) for Postdoctoral Fellows. It is recommended that all scientists use this at the start of a post-doc's time in the lab to set up targets for career development. A survey was done for Post-Doctoral Office personnel and for Post-Doctoral students and the results are being analyzed. An additional survey will be sent to mentors to gauge their interest and experience with the IDP. A plan to expand this concept to graduate students and early career faculty is also under discussion.

American Peptide Society Member Benefits

- A subscription to *Biopolymers – Peptide Science*.
- Discounted subscription rates for the following journals:
 - Chemical Biology and Drug Design*
 - International Journal of Peptide Research and Therapeutics*
 - Protein and Peptide Letters*
 - Current Protein and Peptide Science*
 - Current Proteomics*
- Free professional position and resume posting on the website.
- Membership in the Federation of American Societies for Experimental Biology (FASEB).
- Reduced membership rates for students and postdocs.
- Travel grants to symposia for qualified graduate students and postdocs.

For more information, please visit our website at <http://www.AmPepSoc.org>.

Please note that our mailing address has changed to:

American Peptide Society
P.O. Box 13796
Albuquerque, NM 87192

Worldwide Events

21st American Peptide Symposium:

BREAKING AWAY

June 7 - 12, 2009

Indiana University, Bloomington,
Indiana USA

For more information:

<http://www.21stAPS.org>

VIII European Symposium of The Protein
Society

June 14-18, 2009

Zurich, Switzerland

For more information:

<http://www.proteinsociety.org>

Neuropeptide Festival 2009 - Joint
Meeting of the European Neuropeptide
Club (ENC) and the Summer Neuropep-
tide Conference (SNP)

July 20-23, 2009

Salzburg, Austria

For more information:

<http://www.salk.at/neuropeptides>

Protein Society 23rd Annual Symposium

July 25-29, 2009

Boston, Massachusetts USA

For more information:

<http://www.proteinsociety.org>

8th Australian Peptide Conference:
Peptides - Tools, Targets and Thera-
peutics

October 11 - 16, 2009

Couran Cove, South Stradbroke
Island, Queensland, Australia

For more information:

<http://www.peptideoz.org>

4th Pharmaceutical Sciences World
Congress (PSWC)

November 14-18, 2010

New Orleans, Louisiana USA

For more information:

<http://www.aapspharmaceutica.com>

8th Australian Peptide Conference

Registration and abstract submission are now open for participation at the 8th Australian Peptide Conference to be held at Couran Cove, South Stradbroke Island, Qld, Australia, October 11-16, 2009 (<http://www.peptideoz.org>). Join us to discuss "Peptides - Tools, Targets and Therapeutics" in the seclusion of this beautiful island resort. Speakers include:

- Phil Dawson, The Scripps Research Institute, USA
- Chris Elvin, CSIRO Livestock Industries, QLD, Australia
- Gregg Fields, The University of Texas Health Science Center, USA
- Katherina Gaus, University of New South Wales, Sydney, Australia
- Richard Houghten, Torrey Pines Institute for Molecular Studies, USA
- Bruce Kemp, CSIRO Molecular and Health Technologies and St Vincent's Institute of Medical Research, Melbourne, Australia
- Sung-Hou Kim, University of California (Berkeley), USA
- Rob Lewis, Monash University, Melbourne, Australia
- Angel Lopez, Hanson Institute, Adelaide, Australia
- Phil Lowry, University of Reading, UK
- Ray Norton, Walter and Eliza Hall Institute of Medical Research, Australia
- Baldomero Olivera, University of Utah, USA
- Richard Payne, University of Sydney, Sydney, Australia
- Nadia Rosenthal, EMBL Monterotondo, Italy and Monash University, Melbourne, Australia
- Yechiel Shai, The Weizmann Institute of Science, Israel
- Ronen Shemesh, Compugen Ltd, Israel
- Dek Woolfson, University of Bristol, UK
- Xiaojun Zhao, MIT Center for Biomedical Engineering, USA and Sichuan, University of China

Additional speakers will be selected from the submitted abstracts.

Earlybird registration is only \$600 AUD (\$300 AUD for students) and includes: ferry transfers, conference materials, breakfast, morning tea and dinner each day, including the conference dinner and some beverages each evening. Accommodation is \$199 AUD per room per night..

To attend, please register online at: <http://www.peptideoz.org>

Consider also attending the following meetings:

SATELLITE MEETINGS

Modern Solid Phase Peptide Synthesis and Its Applications

October 8-10, 2009

Sea World Resort, Gold Coast, Queensland

www.asnevents.com.au/solidphase

1st International Conference on Circular Proteins

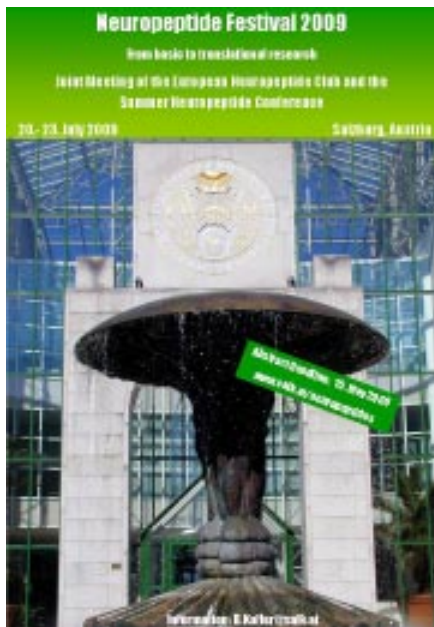
October 18-21, 2009

Heron Island Resort - Queensland Australia

<http://www.iccp2009.org/> <http://www.iccp2009.org/>

We look forward to seeing you at Couran Cove for a scientifically stimulating and socially enjoyable meeting.

--Ed Nice and Mibel Aguilar



Neuropeptide Festival 2009: Joint meeting of the European Neuropeptide Club and the Summer Neuropeptide Conference July 20 to 23, 2009, Salzburg, Austria

It is our great pleasure to invite you to participate in the Neuropeptide Festival, the Joint Meeting of the European Neuropeptide Club (ENC) and the Summer Neuropeptide Conference (SNP) to be held in Salzburg, Austria from Monday July 20th to Thursday July 23th, 2009.

The neuropeptide conference will cover several different aspects of neuropeptide function. Topics will include:

- Neuropeptides and metabolic regulation
- Neuropeptides and cancer
- Neuropeptides in Immunoregulation
- Pepper, pain and peptides
- Neuropeptides in CNS disease
- Neuropeptides and sleep

We cordially invite you to attend and participate in this inspiring meeting and to present your scientific work as oral or poster presentation. Young investigators will have the opportunity to apply for a travel fellowship. Further information on the meeting is available via the following link: <http://www.salk.at/neuropeptides>; and on the preceding "Salzburg Summer Music Festival" at <http://www.salzburgerfestspiele.at/Home/DASPROGRAMM/HOME/PAGE/tabid/55/Language/en-US/Default.aspx>.

We look forward to meeting you in Salzburg,

--Barbara Kofler, Meeting Chair

ENC

Eberhard Weihe, President
Manfred Zimmerman, Vice-Chair
Illana Gozes, Secretary General
Riccardo Patacchini, Treasurer

SNP

Illana Gozes, Chair
Douglas E. Brenneman, Co-Chair
Y. Peng Loh, Co-Chair
Don Gehlert, Secretariat
Ildiko Antal, Treasurer, Finances

American Peptide Society Newsletter

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We are always seeking items for your society's newsletter – either scientific or personal, as long as they are relevant to the field of peptide science, the Society, and its members. Please email your news items, along with any photos or graphics, to Editor Ellen Brenner at apsnewsletter@americanpeptidesociety.org. Items should be either Microsoft Word document attachments, or plain text included in the body of the email. Photos should preferably be in either JPEG or EPS format, and not embedded in a Word document.

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