

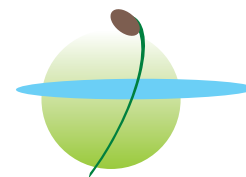


THE AMERICAN SOCIETY OF PHARMACOLOGY

The ASP Newsletter Volume 48, Issue 1



Welcome Everyone: Gearing Up for the ICNPR 2012 Conference in New York City



By Dr. Guy Carter

The 8th International Congress on Natural Products Research (ICNPR 2012), to be held in New York City, New York, July 28-August 1, 2012, is rapidly approaching, with more than 40 plenary and invited speakers confirmed. Our venue, the Grand Hyatt Hotel adjacent to Grand Central Station, is in the heart of Manhattan and is close to many of New York's most famous attractions. Conference-rate hotel rooms for \$264 per night can be booked at the ICNPR 2012 website.

The Scientific Organizing Committee has assembled an exciting and diverse program, and the conference program is going to be densely packed with scientific events. Workshops will be held on Saturday, July 28, prior to the formal opening of the conference, and we currently have plans for workshops covering applications of NMR spectroscopy, circular dichroism (CD) and vibrational circular dichroism (VCD) spectroscopy to

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EDITOR'S CORNER



The International Congress on Natural Products Research in New York (ICNPR2012) will take place in New York City from July 28-August 1, 2012. Our lead story written by Scientific Organizing Committee Chair, Dr. Guy Carter, tells of the numerous symposiums and themes that will take place in this five day meeting. The abstracts and registration websites are up and running (www.icnpr2012.org), and I hope many ASP members will be able to join us for this exciting meeting. Early registration ends in May, so plan accordingly!

As Chair of the Local Organizing Committee for ICNPR2012, I can attest to the great venue for this Congress at the Grand Hyatt connected directly to Grand Central Terminal in the heart of New York City's 42nd Street. Transportation is straightforward from any of New York's three major airports (LaGuardia, John F. Kennedy, and Newark). The hotel is within walking distance of many of New York's popular tourist destinations, including the Empire State Building and the Theater District. We will hold an opening reception on Saturday evening at the Hyatt's Manhattan Ballroom, so be sure to make your travel reservations accordingly. Also, Sunday we will have an excursion to The New York Botanical Garden (www.nybg.org) for a reception and tours of the historic Enid A. Haupt Conservatory.

ICNPR 2012 will also be the hub of many other exciting activities. The Younger Members are planning a spectacular event on Tuesday evening, July 31, that is described in a separate article by younger member Dr. Kurt Reynertson. I hope that younger members from all societies will make a special effort to be there. Free food and drink will be provided, as well as great opportunities to learn about career planning and networking.

Also at ICNPR 2012 the American Chemical Society will host a plenary session celebrating the 75th volume of the *Journal of Natural Products*. *JNP* Editor-in-Chief, A. Douglas Kinghorn, describes the session in the *Newsletter* and provides his perspective on 75 years of the *Journal*.

Our regular columns include News from Washington where Dr. Georgia Perdue presents how President Obama's 2013 budget will impact federal agencies and also the appropriations for financial year 2012. Dr. Daniel Vincent LaBarbera is interviewed by Dr. Diane Swaffar in Meet a New ASP Member, and he discusses his interest in Ayurvedic treatments for diabetic eye disease, as well as his skills not only with pipettes, but hammers and drums. Welcome Daniel!

As I write this column, New York and much of the United States has experienced an early spring. The star magnolia tree outside my laboratory building is blooming beautifully this week. I hope everyone has a great spring, and remember to submit your abstracts to ICNPR 2012 by May 11, 2012.

Summer is just around the corner and so is ICNPR 2012!

Dr. Edward J. Kennelly

EMPLOYMENT SERVICE

The Society offers a placement service to aid our members in seeking positions or employees. This service is available only to ASP members and is free to both the applicant and the employer.

For more information see the services website.

www.pharmacognosy.us/?page_id=163

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Young Members to Gather at ICNPR 2012

By Drs. Kurt Reynertson and Amy Keller

As part of ICNPR 2012, we cordially invite younger members of the ASP and our sister societies to a special event on Tuesday, July 31, 2012 from 7:00-9:00 pm. Food and drink will be provided at a restaurant within close walking distance of the Grand Hyatt. The event is designed to help younger members explore career opportunities across disciplines and countries.

Younger member Dr. Marcy Balunas, will act as the master of ceremonies. She will introduce two speakers, a representative from PepsiCo who is sponsoring this event, and Dr. Brian Schwartz of the City University of New York who will talk about thinking broadly for careers in science.

Our guests will represent a variety of careers in primary research institutions, small colleges or universities, primary undergraduate teaching colleges, regulatory agencies such as the United States Department of Agriculture, the Food and Drug Administration or the National Institutes of Health, large or start-

up pharmaceutical companies, or consumer products including dietary supplements and herbs. Also, professionals in contract research organizations such as equipment manufacturers, patent attorneys, medical writers, and science journalists will be there. We plan to present information about funding agencies and opportunities for Europe, Asia, South America, and other locations.

The event will emphasize the cross-cultural aspect of scientific collaboration, networking, and opportunities. We will establish a Listserve network for future exchange of ideas and are currently working on launching Pharmacognosy@googlegroups. Attendees will be encouraged to post comments and ideas on the Facebook page <[facebook.com/ICNPR](https://www.facebook.com/ICNPR)>, and use Twitter <twitter.com/ICNPR> to communicate during the congress (using the official Twitter hashtag #ICNPR).

Please look for a box on the registration form to attend this event (\$5). We are looking forward to meeting you and helping you with your future career. ■

The event will emphasize the cross-cultural aspect of scientific collaboration, networking, and opportunities.

Gearing Up for the ICNPR 2012

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natural products. In addition, there will be a new session dedicated to microbiology entitled, "Cultivating the Potential of Actinomycetes and Fungi for the Discovery of New Natural Products."

Our conference will open with a reception on Saturday evening in the Hyatt's Manhattan Ballroom, which offers stunning views of the vibrant city surrounding the hotel. The formal scientific program will begin on Sunday morning, July 29, with plenary sessions of major award addresses followed by a session on the promise of biodiversity. Sunday afternoon will feature the first of three poster sessions, and in the evening a combined scientific and social function will be held at the New York Botanical Garden (www.nybg.org) where participants will enjoy a unique and personalized view of the exquisite garden and historic conservatory.

Beginning on Monday, July 30, and continuing through Wednes-

day, August 1, the program will include plenary lectures in the morning followed by three concurrent parallel sections, allowing participants to select topics of the greatest interest. The specific topics, speaker's names, and the titles of their talks can be found on the conference website (<http://www.icnpr2012.org/programs>) so please check for updates.

In addition to these symposia, themed contributed sessions are planned on the traditional areas of interest to our membership including natural product discovery, marine, microbes and plants, biosynthesis, new technologies, herbal products, and synthesis, among others.

Registration is now open so please submit your application and abstract through the conference website at www.icnpr2012.org. We look forward to an enlightening, fun, and productive meeting. ■

Our conference will open with a reception on Saturday evening in the Hyatt's Manhattan Ballroom, which offers stunning views of the vibrant city surrounding the hotel.

JNP Publishes 75th Volume

By Dr. A. Douglas Kinghorn

This January, the *Journal of Natural Products* (JNP) entered into its 75th volume! To celebrate this achievement, a symposium will be held at the International Congress on Natural Products Research (ICNPR 2012), in New York City this July 28-August 1, 2012. The symposium will feature presentations by three leading natural products researchers and ASP members of international renown, Drs. Bob Pettit, Rachel Mata, and Bill Gerwick. These scientists have greatly supported the *Journal* through the publication of their work therein for many years. This symposium will be graciously sponsored by the Publications Division of the American Chemical Society (ACS).

"The *Journal of Natural Products* is the flagship publication of the natural products science community, and to be published here is a matter of professional and personal pride," said Dr. Barbara Timmermann, ASP President. "The *Journal* was there as we collectively took our first scientific steps, and it has witnessed our professional growth and scientific developments throughout the years. I can think of no better way to celebrate the 75th Anniversary than with a dedicated symposium attended by current and future contributors and to simply say Happy Birthday and best wishes for continued success to the century celebration!"

The JNP was founded as *Lloydia* in 1938, and is now a monthly journal that became known by its present name in 1979 and has been co-published by the American Society of Pharmacognosy and the ACS since 1996. The main subject areas covered are the isolation, structure elucidation, and chemical synthesis of novel compounds from organisms; biochemical studies, inclusive of biosynthetic, microbial biotransformation, fermentation, and plant tissue investigations; biological and mechanism of action determinations on natural substances; and natural product screening technology

method development. Frequent review articles are published on topics of general interest to natural product scientists, and JNP also provides the reader with book reviews on natural product-related topics. The papers published cover the secondary metabolites of terrestrial microbes, plants and animals, as well as of the fauna, flora, and microorganisms from the marine environment.

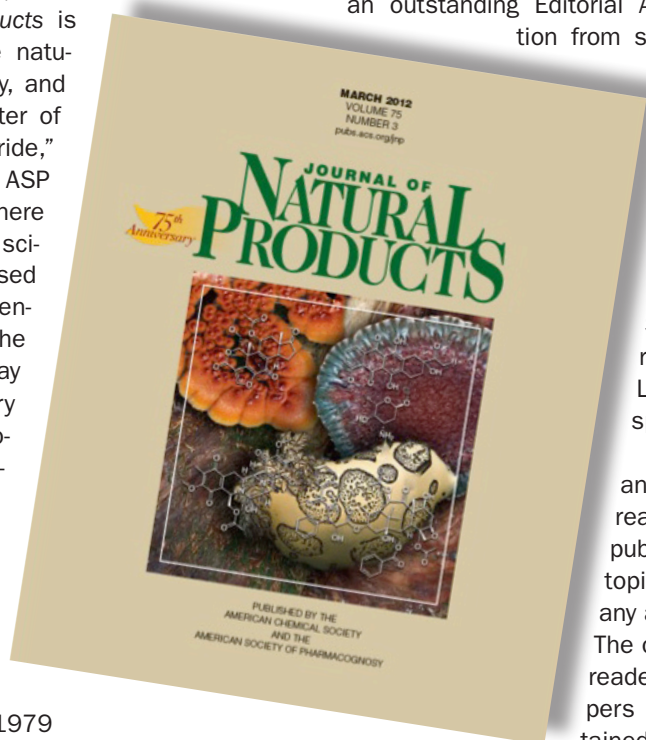
In addition to the Editor-in-Chief position, there are four Associate Editors (ASP members Drs. Richard Powell, Daneel Ferreira, Phil Proteau, and Cedric Pearce) and a Book Review Editor (ASP member Dr. John Cardellina), all with strong reputations as natural product researchers. The *Journal* has an outstanding Editorial Advisory Board, with representation from scientific institutions in countries located in all six continents.

Each year, there is a special issue of the *Journal* in honor of a leading natural product scientist or scientists, and there are two annual awards for best paper, named after former Editors of the *Journal*, the Arthur E. Schwarting Award, open to all corresponding authors, and the Jack L. Beal Award, for younger corresponding authors.

I currently serve as Editor in Chief and feel that as the *Journal* has now reached its 75th volume, that the publication is still very relevant and topical, and is essential reading for any active natural product researcher. The other editors and I try to offer our readers an interesting balance of papers each month on compounds obtained from many different organisms collected in countries all around the

world. We are very excited to be able to celebrate the *Journal* through a formal symposium at ICNPR-2012 and hope that you will join us. ■

The cover of the March issue of the 75th volume of JNP, dedicated to ASP member Dr. Gordon Cragg.



The JNP was founded as *Lloydia* in 1938, and is now a monthly journal that became known by its present name in 1979 and has been co-published by the American Society of Pharmacognosy and the ACS since 1996.

Meet a New ASP Member

ASP is pleased to welcome a number of new members to the Society this year. One of our new members for 2012 is Dr. Daniel Vincent LaBarbera. He is Assistant Professor in the Department of Pharmaceutical Sciences, The Skaggs School of Pharmacy and Pharmaceutical Sciences, at the University of Colorado Denver, Anschutz Medical Center. We are grateful to him for giving us the opportunity to get more acquainted with him

By Dr. Diane S. Swaffar

How did you hear about the ASP?

I have known about ASP for quite some time through colleagues, the Internet, and other research conferences.

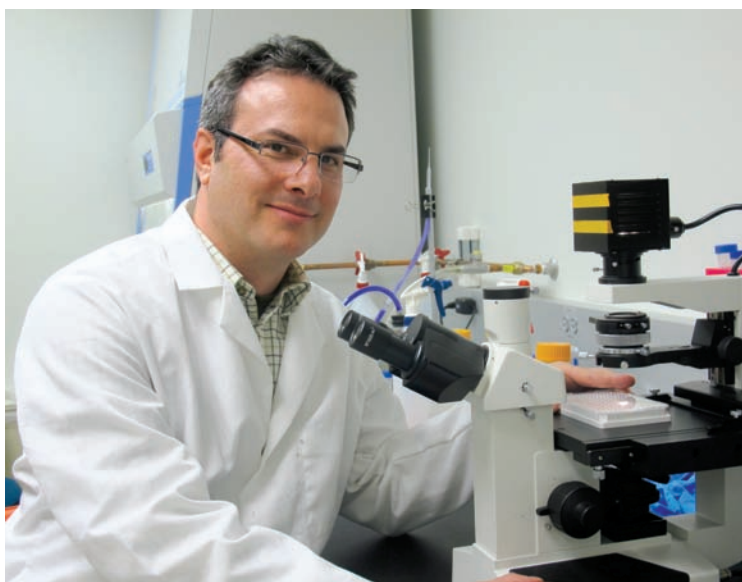
Why did you join ASP?

I joined ASP because it is recognized as a premier organization committed to natural products research.

What is your scientific background?

I received my B.S. degree in Biochemistry from Arizona State University, Phoenix, Arizona, where I was fortunate to obtain a Howard Hughes Fellowship to conduct undergraduate research in the laboratory of Dr. Edward B.

Skibo. I enjoyed my research experience so much that I decided to stay in Dr. Skibo's laboratory for my graduate studies in chemistry. This work focused on the rational drug design of novel antitumor agents based on lead natural products scaffolds, which emphasized the synthesis and mechanism(s) of action studies of both natural and semi-synthetic pharmacophores. As a postdoctoral fellow, my training continued in natural products chemistry at the University of Utah (UU), Salt Lake City, Utah, in the laboratory of ASP member Dr. Chris Ireland, which focused on total synthesis, isolation, and structure elucidation of novel marine natural products. In parallel, I received a National Institutes of Health (NIH) National Research Service Award (NRSA) to conduct multidisciplinary cancer research at the Huntsman Cancer Institute at UU. This diversified training focused on molecular and cancer biology applied to understanding how novel marine



Dr. LaBarbera in his lab observing the uniformity of single 3D-multi-cellular tumor spheroids cultured in 96-well plates using an inverted phase contrast microscope.

antitumor agents modulate specific molecular pathways, leading to programmed cell death both *in vitro* and *in vivo*.

What are your current research interests in pharmacognosy?

My lab is currently funded by the National Eye Institute to discover novel potential therapeutics isolated from the plant *Embllica officinalis*, a.k.a. the Indian gooseberry or the Amla plant, to treat diabetic eye disease. *E. officinalis* has been used in Ayurvedic preparations to treat diabetes and its many secondary complications for thousands of years. This project has been successful due to a collaborative effort with the laboratory of Dr. J. Mark Petrash, Professor of Ophthalmology at our School of Medicine, Anschutz Medical Center. Another major project in my lab, funded by the University of Colorado Cancer Center and the Cancer League of Colorado, is to

develop and validate 3D models of metastatic breast cancer that incorporate aspects of the tumor micro-environment (i.e., extracellular matrix) that are suitable for high-throughput drug discovery. Using these models and through collaboration with the laboratory of Dr. Ireland, we have screened a focused library of marine natural products. Consequently, we have confirmed a number of lead compounds that we are developing as potential anti-metastatic agents utilizing rational drug design.

What would you like to achieve through your membership?

As an ASP member my goals are to expand my scientific interactions with natural product scientists and to be an ambassador of natural products research everywhere.

What other scientific societies do you belong to?

I am a member of the American Chemical Society, American Association for Cancer Research, and the Association for Research in Vision and Ophthalmology (ARVO).

What do you like doing in your spare time?

My favorite thing to do is spend quality time with my family around the house or traveling. Before I became a scientist, I worked in construction, so I spend a lot of time renovating my house. Other hobbies of mine are playing the drums, and more recently I am teaching myself how to play guitar.

New Members of ASP 2012



ASP would like to welcome new members. The Society's main objectives are to provide the opportunity for association among the workers in pharmacognosy and related sciences, to provide opportunities for presentation of research achievements, and to promote the publication of meritorious research. New members include eight domestic full members, five international full members, and seven associate members. We look forward to meeting you and learning more about you and your work.

ACTIVE MEMBERS

Mrs. Cristiane H. Baggio
Curitiba, Brazil

Dr. Sharada Tumkur Buddha
Chicago, Illinois

Dr. Congmei Cao
College Station, Texas

Dr. Daniel Anthony Dias
Melbourne, Victoria, Australia

Dr. Nicole A. Doudican
New York, New York

Dr. Garima Garg
Long Beach, California

Dr. Jan A. Glinski
Danbury, Connecticut

Mr. Shin-ichiro Kurimoto
Tokushima, Japan

Dr. Daniel Vincent LaBarbera
Aurora, Colorado

Dr. Maged El-Sayed Mohamed
Zagazig, Egypt

Dr. Dudley G. Moon
Selkirk, New York

Dr. Akiyoshi Sawabe
Osaka, Japan

Dr. Charles Anthony Veltri
Mount Arlington, New Jersey

ASSOCIATE MEMBERS

Dr. Tatsuo Higa
Naha, Japan

Michael C. James
Oxford, Mississippi

Abdulrahman E. Koshak
Jeddah, Saudi Arabia

Mr. Hang Ma
Kingston, Rhode Island

Ms. Reham Hassan Mekky
Cairo, Egypt

Jessica Ponder
Aurora, Colorado

Qingxi Su
Blacksburg, Virginia

Conference Calendar

The *Newsletter* is pleased to announce the following upcoming conferences and meetings. The events portrayed here reflect what listings and notices the *Newsletter* has specifically received. For a more extensive calendar, please visit the ASP website at www.phcog.org. If you have a conference or event you would like mentioned, please send us relevant information, including any graphics or appropriate fliers, at asp.newsletter@lehman.cuny.edu.

60th American Society for Mass Spectrometry Conference

Vancouver, British Columbia, Canada

May 20-24, 2012

www.asms.org

13th Congress of the International Society of Ethnobiology

Montpellier, France

May 20-25, 2012

<http://congress-ise2012.agropolis.fr/>

8th International Meeting on Natural Products Research

Oaxaca, Mexico

May 23-25, 2012

www.unistmo.edu.mx/eventos/8va_RIIPN/index.html

Society for Economic Botany 53rd Annual Meeting

Frostburg, Maryland

June 3-7, 2012

www.econbot.org

Natural Anticancer Drugs

Olomouc, Czech Republic

June 30-July 4, 2012

www.nad2012.com

www.bionats.org



International Congress on Natural Products Research 2012

New York, New York

July 28-August 1, 2012

www.pharmacognosy.us

43rd International Symposium on Essential Oils Spectrometry Conference

Lisbon, Portugal

September 5-8, 2012

www.iseo2012.fc.ul.pt

4th International Conference on Medicinal Plants & Herbal Products

Rockville, Maryland

September, 6th – 8th, 2012

icmph4.blogspot.com/

Brief News From Washington

By Dr. Georgia Perdue



- **The President's FY 2013 budget** is out and the most commonly used adjectives are "flat" and "lean" and "little to cheer about." In his State of the Union address the President told Congress to continue funding science research. The amount and source were never mentioned. The National Institutes of Health (NIH) hopes to increase both the number of grants funded and the National Center for Advancing Translational Sciences (NCATS) budget!
- **Appropriations for FY 2012** finally passed at the end of last year:
 - **NIH** breathed a sigh of relief at a **1% increase** (a total of \$30.7 billion), a \$300 million increase over 2011. The Senate Committee report states, "[the] Committee regrets that fiscal constraints prevent a higher... funding level.... With tight budgets likely to continue for the foreseeable future, the Committee urges NIH to explore creative ways ... [in allocating its] funding."
 - **The National Center for Complementary and Alternative Medicine (NCCAM) budget was increased by \$2.2 million to \$131 million.** NCCAM will increase its support of research project grants (RPGs) to total 197 and decrease non-competing RPGs by 10. RPGs make up 62% of NCCAMs budget, and research centers comprise 2%.
 - **The Food and Drug Administration (FDA) budget is \$2.5 billion,** a \$50 million increase and \$234 million below the President's budget.
 - **The National Science Foundation** got \$173 million above last year totaling \$7 billion, \$734 million below the President's budget.
- The National Cancer Institute (NCI) received an award for Excellence in Technology Transfer from the Federal Laboratory Consortium for Technology Transfer, regarding **eribulin mesylate**, (Halaven®) the analog of halichondrin B, isolated more than 20 years ago from a marine sponge by ASP member Dr. G.R. (Bob) Pettit and Japanese colleagues. **The Natural Products Branch** partnered with Eisai Research Institute, Andover, Massachusetts. **The award recognizes outstanding work which was transferred to the private sector.**

➤ **The science and technology policy at the State Department** is still very viable according to the current **Science and Technology Adviser to the Secretary of State, Dr. E. William Colglazier** who presented an overview of the program to the President's Council of Advisers on Science and Technology (PCAST) in January. Highlights include the goal of being "cheerleader" by injecting ideas inside and outside the State Department, to advocate science

both domestically and globally by pointing out their value in diplomacy and "as a strategic asset" in the United States. "Most countries realize," he said, "[the importance of] science and technology as [a] key to their prosperity; these countries want to engage with the United States." Dr. Colglazier noted that "large tier countries are poised over the next decade to make progress in countries like Indonesia, South Africa, Malaysia etc... which provides a great opportunity [for] ... great progressA great opportunity for the United States to reach out to young students in universities." The State Department will "connect" with 20 venture capitalists in a **new Venture Capitalist Initiative** as a means of "sourcing innovation." United States Agency for International Development will also be involved. Dr. Colglazier, a physicist, is the fourth person to hold this position, originally created in the Clinton Administration by then Secretary of State Madeleine Albright. The first such adviser was Dr. Norman Neureiter, an organic chemist, who turns 80 this year and in whose honor a special symposium will be held. (For a complete interview with Dr. Neureiter see *Washington Insight* Vol. XIII No. 4, December 2000).

- **The new National Center for Advancing Translational Sciences (NCATS),** with a budget of \$578 million, **has been launched.** NIH will move \$298 million from the Global Fund to fight AIDS, Tuberculosis and Malaria to NCATS. From the dissolution of the National Center for Research Resources (NCRR), NCATS will get 45% of its budget. NCRR programs will be allocated to other institutes. The **Senate Committee report** states "the mission of NCATS is nothing less than fundamentally changing the way NIH pursues

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the translation of basic science into treatments and cures.” It goes on to say that the 14 years required for a new drug to reach market is “unacceptable.”

- At the December meeting of the Advisory Committee to the Director (ACD) of NIH, Dr. Kathy Hudson, deputy director for Science, Outreach and Policy presented some of the **highlights and current thinking dealing with NCATS**: because the number of new drugs being developed is slow and innovation is flat, NCATS will try to bridge gaps in development by pursuing opportunities to prevent disruptive innovation and enhance development, testing and innovation of new therapeutics and **identify bottlenecks in diagnostic and therapeutics development pipelines**. She emphasized that **NCATS does not want to compete with but complement the private sector, which the Senate Committee report emphasized**. Some opportunities that will be brought forth include large matching grant awards, such as partnership awards, one dollar for every three from NIH, flexible research awards, and taking advantage of the **compounds that the pharmaceutical industry has “left behind,”** and developing a model for NIH and Pharma to collaborate in funding six to eight projects.
- A working group is seeking to integrate the Clinical and Translational Science Awards, which were part of NCRR, into NCATS.
- Other components to be added to NCATS include **Cures Acceleration Network (CAN), rare diseases research, and therapeutics for rare and neglected diseases**. The budget for CAN is \$20 million which the Senate Committee report states is to be used “...

[for] grants to biotech companies, universities, patient advocacy groups and ...help facilitate FDA for the high-need cures... funded by this initiative.”

- An **Advisory Council for NCATS** will be formed made up of venture capitalists, disease advocates, basic researchers and others.
- A new NIH institute to deal with substance abuse and addiction research will be formed, probably by October of 2013. The official name has yet to be decided. Final recommendations will be given to the NIH director by year’s end; its budget will be reflected in FY 2014.
- Good news from FDA: in 2011 it approved 30 new drugs compared to 21 in 2010. According to this is partly due to “advance consultation dealing with FDA requirements.”
- “**Provocative Questions (PQs)**,” an idea conceived by NCI director Dr. Harold Varmus (see www.nci.gov) aims to involve all disciplines interested in cancer. It has “resulted in great enthusiasm,” he told the NIH director’s Advisory Committee to the Director (ACD) meeting in December. NCI received 1,700 letters of intent. Twenty-four PQs have resulted in RFPs, with a \$15 million budget. Dr. Varmus commented that one question dealt with the use of **aspirin** which shows a reduction in esophageal, stomach, lung and colon cancers, for which there seems to be no answer. He also noted that “we still do not know why **cisplatin** is still effective in treating some cancers.” He made clear that one of his goals with the PQs is to “try to get people to think beyond their sphere of where their next grant will come from.” ■

The President’s FY 2013 budget is out and the most commonly used adjectives are “flat” and “lean” and “little to cheer about.”

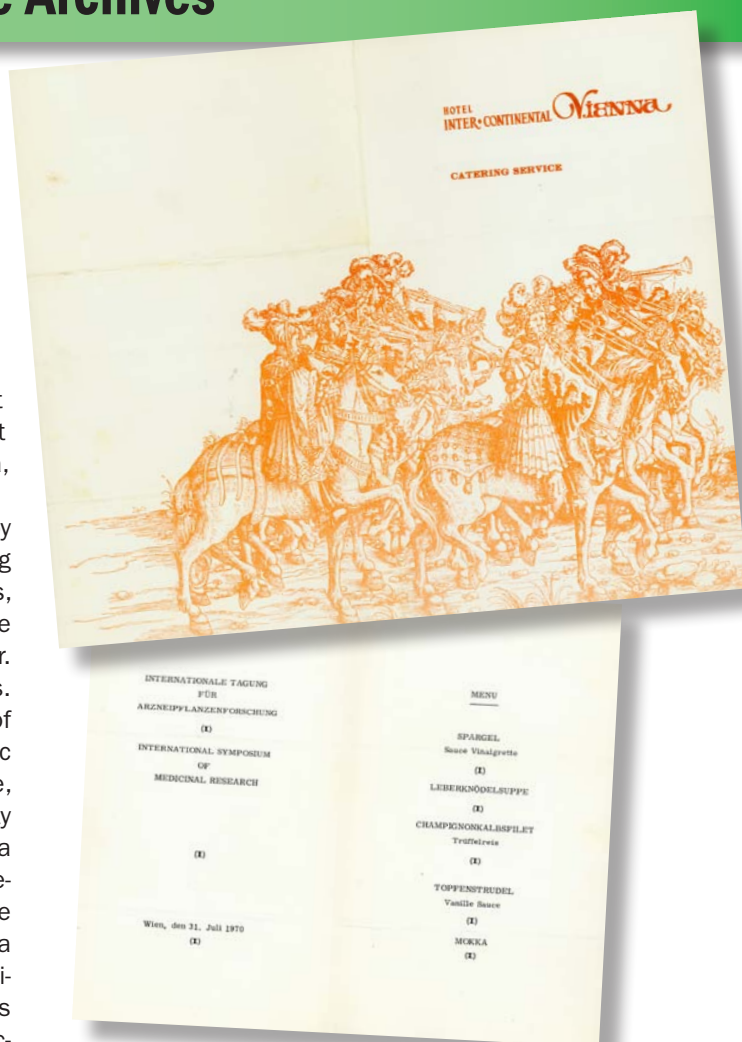
From the Archives

By Ms. Anna Heran

Forty-two years ago this summer, July 26-31, 1970, the ASP participated in its very first international conference, and its own 11th Annual Meeting, with a topical focus on cardiac and circulatory activity and no less than 68 contributed papers. This initial foray into multi-national, multi-organizational meetings was held in conjunction with the Gesellschaft für Arzneipflanzenforschung (better known as the GA) at the University of Vienna in the beautiful city of Vienna, Austria.

Dr. Lynn Brady was President of ASP that year, and by the early autumn after the conference, he was mailing numerous notes of thanks to his European colleagues, as well as to his fellow ASP members, describing the surprising success of this unprecedented venture. Dr. Brady was especially appreciative of the efforts of Drs. Varro "Tip" Tyler, Norman Farnsworth, and a handful of other ASP members who had arranged for this historic event. In his letter to these members, Dr. Brady wrote, "There was no precedent in the history of our Society for an international meeting such as was held in Vienna this year. Thus working without guidelines, you were required to devote considerable time and effort toward the planning of this meeting. By all consensus, it was a success and you are to be congratulated for your contribution." To the Mayor of Vienna, Dr. Brady wrote, "This was a memorable occasion, and certainly the most successful meeting ever held by our organization."

So important was this level of international cooperation perceived to be that at the 1970 business meeting, the members of ASP resolved to pursue a similar meeting in 1974. It did not happen until 1975 when Storrs, Connecticut, was the host site for a second joint



Catering menu from the ASP International Meeting in Vienna, Austria, 1970.



meeting with the GA. Nonetheless, this set the ASP on a distinct course which has continued up through the present, and ASP has met regularly with its European counterparts every few years. The most recent was in Greece in 2008, but other meetings have been in Strasbourg (1980) and Bonn, Germany (1990), Halifax, Nova Scotia (1994), Amsterdam, The Netherlands (1999), and Phoenix, Arizona (2004).

The groundwork laid in 1970 has served the Society well in the intervening decades, and their success has become an expected and anticipated event by both Society members and their European colleagues. ■

Fishing village in The Netherlands, taken during ASP International Meeting in Amsterdam, The Netherlands, 1999.

David J. Slatkin, Ph.D., Treasurer
The American Society of Pharmacognosy
3149 Dundee Road, #260,
Northbrook, Illinois 60062



ASP Membership

Full Membership

Full membership is open to any scientist interested in the study of natural products.

Current membership dues and Journal of Natural Products subscription rates can be found at www.pharmacognosy.us.

Associate Membership

Associate membership is open to students of pharmacognosy and allied fields only. These members are not accorded voting privileges.

Current membership dues and Journal of Natural Products subscription rates can be found at www.pharmacognosy.us.

Emeritus Membership

Emeritus membership is open to retired members of the Society who maintained membership in the Society for at least five years.

Current membership dues and Journal of Natural Products subscription rates can be found at www.pharmacognosy.us.

Honorary Membership

Honorary members are selected by the Executive Committee of the American Society of Pharmacognosy on the basis of meritorious service to pharmacognosy.

Present Honorary Members are:

Dr. David P. Carew, University of Iowa · Dr. John M. Cassady, Oregon State University

Dr. Geoffrey A. Cordell, Natural Products, Inc, University of Illinois at Chicago.

Dr. Gordon C. Cragg, National Institutes of Health · Dr. Harry H.S. Fong, University of Illinois at Chicago

Dr. William Keller, Nature's Sunshine Products, Inc. · Dr. A. Douglas Kinghorn, Ohio State University

Dr. Robert J. Krueger, Ferris State University. · Dr. Roy Okuda, San Jose State University

Dr. James E. Robbers, Purdue University · Dr. Yuzuru Shimizu, University of Rhode Island

Dr. David J. Slatkin, Chicago State University · Dr. E. John Staba, University of Minnesota

Dr. Otto Sticher, Swiss Federal Institute of Technology

Dr. Hildebert Wagner, University of Munich · Dr. Mansukh Wani, Research Triangle Institute

Additional information about membership may be obtained by writing to the Treasurer of the Society:

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