



# PSNA News

Phytochemical Society of North America  
Sociedad Fitoquímica de América del Norte  
Société Phytochimique de L'Amérique du Nord

Volume 49, Number 1

May 2011



Phytochemical Society of North America

## 50th Anniversary Meeting

December 10-15, 2011 on Kohala Coast, Hawai'i



## E Komo Mai (Welcome) to Hawai'i!

The island of Hawai'i has been selected as the site of the recognition of the 50th Anniversary of the Phytochemical Society of North America (PSNA). We are honored to invite you to share this extraordinary opportunity to network with your colleagues, present your latest research and learn from world-renowned experts while celebrating PSNA's 50th year anniversary in one of the Greatest Living Laboratories in the world - Hawai'i's Big Island.

PSNA 2011 will feature keynote addresses, plenary sessions, concurrent oral presentations and poster sessions. The Call for Abstracts is now open! Hosted by the College of Pharmacy, University of Hawai'i at Hilo, you will appreciate the joy of science while exploring the diversity of this unique environment.

Learn, teach, and discover. I ku ka makemake e hele mai, hele no me ka malo'elo'e: If you wish to come do not be hesitant, for you are welcome!

We look forward to hosting you on Hawai'i's Big Island at PSNA's 2011 conference!

More details starting on page 3!

### LOCAL HOST

John M. Pezzuto, Ph.D.  
Professor and Dean  
College of Pharmacy  
University of Hawai'i at Hilo  
34 Rainbow Drive  
Hilo, Hawai'i 96720  
email: psna2011@hawaii.edu



UNIVERSITY  
of HAWAII  
**HILO**



For all details, registration and abstract submission:

<http://psna.uhhconferencecenter.com/>



In this issue: Register NOW for the 2011 meeting

This is the printed version of the PSNA Newsletter. The web PDF version can be downloaded from the website: [www.psna-online.org](http://www.psna-online.org).



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WWW.PSNA-ONLINE.ORG



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Vacant  
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# The Phytochemical Society of North America

The Phytochemical Society of North America (PSNA) is a nonprofit scientific organization whose membership is open to anyone with an interest in phytochemistry and the role of plant substances in related fields. Annual membership dues are U.S. \$60 for regular members and \$30 for student members. Annual meetings featuring symposium topics of current interest and contributed papers by conference participants are held throughout the United States, Canada, and Mexico. PSNA meetings provide participants with exposure to the cutting-edge research of prominent international scientists, but are still small enough to offer informality and intimacy that are conducive to the exchange of ideas. This newsletter is circulated to members to keep them informed of upcoming meetings and developments within the society, and to provide a forum for the exchange of information and ideas. If you would like additional information about the PSNA, or if you have material that you would like included in the newsletter, please contact the PSNA Secretary or visit our website at [www.pсна-online.org](http://www.pсна-online.org). Annual dues and changes of address should be sent to the PSNA Treasurer. Also check the PSNA website for regular updates.

*The PSNA is an all volunteer organization which depends on its membership to run the organization.* We appreciate the time and effort these volunteers are putting in to keep the organization up and running. As a member, please consider volunteering to serve on one of these committees. The PSNA can always use more help!

## PSNA EXECUTIVES

### President

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### President Elect

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## PSNA 50th LODGING: FAIRMONT ORCHID, HAWAI'I

One North Kaniku Drive  
Kohala Coast, The Big Island,  
Hawai'i 96743

Book early to secure the special conference rates starting at \$159.00 + tax.

The Fairmont Orchid, Hawai'i is the perfect meeting venue for PSNA's 2011 conference. In honor of PSNA's 50th Anniversary, the exquisite Fairmont Orchid Hotel is offering discounted rates for PSNA delegates. Hotel reservations are now being accepted for the PSNA Conference.

Government Employees, \*Please note! The Government rate is HIGHER than our discounted rate of \$159.

PLEASE make certain to book your reservations via the PSNA reservation link to ensure the discounted PSNA hotel rate.

### DEADLINES & TRAVEL AWARDS

Arthur C. Neish Young  
Awards Deadlines:  
April 30, 2011

Call for Abstracts Deadline:  
July 1, 2011

Travel Awards Deadline:  
July 1st, 2011

Early Registration Deadline:  
September 15, 2011

Conference  
December 10 - 15, 2011  
Onsite registration at Fairmont Orchid, Hawai'i. Late registration fee in effect.

## Registration Information

### Inclusions:

Your conference registration fee includes entrance to all plenary and concurrent sessions, a participant welcome packet, conference program and delegate roster. Meals included are: a welcome reception, two (2) evening poster session receptions, refreshments, and a closing Hawaiian banquet.

### Fees:

Early Registration Deadline = September 15, 2011

### Members

Early (by Sept. 15, 2011)  
Professional/Senior Scientists \$ 700  
Postdoctoral \$ 650  
Students \$600  
Late (after Sept. 15, 2011)  
Professional/Senior Scientists \$ 800  
Postdoctoral \$ 750  
Students \$ 700

### Non-Members

Early (by Sept. 15, 2011)  
Professional/Senior Scientists \$ 760  
Postdoctoral \$ 710  
Students \$ 630  
Late (after Sept. 15, 2011)  
Professional/Senior Scientists \$ 860  
Postdoctoral \$ 810  
Students \$ 730

### Event Tickets (for spouses and guests)

December 10, 2011 – Welcome Reception @ \$ 85  
December 11, 2011 – Poster Reception I @ \$ 67  
December 12, 2011 – Poster Reception II @ \$ 67  
December 14, 2011 – Closing Hawaiian Dinner @ \$115

## Program Overview

The 50th Anniversary Meeting of the Phytochemical Society of North America will be held December 10 – 15, 2011 on the Kohala Coast of Hawai'i's Big Island, at the Fairmont Orchid, Hawai'i. A first-rate scientific program consisting of thirteen general symposia is being assembled and will include the following topics:

- 50 years of PSNA
- Metabolism & Metabolomics
- Natural Products in Agriculture
- Transcriptome Profiling
- Chemoprevention • Phyto-medicine
- Phytochemistry
- Biodiversity
- Biosynthesis
- New Characterization Methods
- Natural Product Drug Discovery
- Biofuels/Bioproducts & Bioengineering
- Medicinal Plants
- Botanicals (Dietary Supplements)

### Awards & Featured Speakers

PSNA Members: The dates for the 50th Anniversary Meeting of the PSNA are fast approaching. As many of you are aware, PSNA provides a variety of awards at our annual meeting available for all levels of scientists. The primary recurring awards consist of the Frank and Mary Loewus Student Travel Awards, the Arthur C. Neish Young Investigator Awards, and the Phytochemical Pioneer Awards.

All awards are available through a competitive application process and details and deadlines for this year are given below.

### **Frank and Mary Loewus Student Travel Awards**

The awards are intended for both undergraduate and graduate students working in the field of Phytochemistry who are traveling to the meeting to present results of their research. The funds allotted annually by the Executive Committee are awarded on a competitive basis. If you have a student that you would like to nominate to receive travel support, please e-mail the following information by July 1st, 2011 to the PSNA Awards Committee chair, David Gang, at gangd@wsu.edu.

Provide the following for each student: student's name, student's presentation title, the degree the student is seeking, nominating faculty advisor, the name of the university they are attending, and the PSNA membership status of the student.

### **Postdoctoral Travel Awards**

The awards are intended for postdoctoral researchers working in the field of Phytochemistry who are traveling to the meeting to present results of their research. The funds allotted annually by the Executive Committee are awarded on a competitive basis. If you are a postdoc that would like to receive travel support, please e-mail the following information by July 1st, 2011 to the PSNA Awards Committee chair, David Gang, at gangd@wsu.edu. Please provide the following: presentation title and abstract, curriculum vitae, nomination letter, and your PSNA membership status.

### **Arthur C. Neish Young Investigator Awards**

Nominations closed

### **Phytochemical Pioneer Awards**

Nominations closed

## **Oral Presentations**

Oral presentations will only be considered after your abstract has been submitted and approved by the Scientific Committee. Shortly after the abstract closure date (July 1, 2011), a member of the Committee will notify the selected individuals chosen to present at the PSNA 2011 meeting in December along with the time, date, and symposia number for their presentation.

### **Posters**

Each poster session is three hours in length. Authors should be available during that time to answer questions, expand on the material and take part in discussions. The following guidelines have been adopted.

Abstracts scheduled for poster session presentation will be grouped by topic. You will be notified of your session and time via email. Also check the meeting program onsite.

Posters should be mounted on assigned boards. Locate your poster number in the meeting program. Your poster number will be posted on your board prior to setup. Poster pins will be available at the registration desk.

Poster size is 4 x 4 ft. There will be two posters per side of the 4 x 8 ft board. Larger posters may not overlap others. Failure to extend courtesy to other presenters may result in removal of a poster.

A copy of your abstract in large type should be posted if space permits. Availability of hand-out materials and photocopies of the abstract are helpful.

Type should be easily legible at a distance of several feet. Figure legends are essential and should be short but informative. Please do not write, draw or paste on the poster boards.

If a student will be presenting a poster, and would like to be considered for a poster award at the meeting, a COPY of the abstract and the name of the student presenter should be separately e-mailed to the chair of the PSNA Awards Committee (Email TBA).

### **ABSTRACT GUIDELINES**

Call for Abstracts Deadline: July 1, 2011

### **Suggestions for Quality**

Abstract must be written in English.

Title should be short and informative, with a maximum length of two lines.

All abstracts will undergo a peer review process prior to acceptance, and may be edited, or returned for editing.

### **FAQ's**

Q. When is the Deadline for Abstract Submissions?

A. July 1, 2011

Q. When will I know if my paper has been accepted by PSNA 2011?

A. the conference organizers will contact you as soon as the final program has been confirmed.

Q. What audio/visual equipment will be available to the oral presenters?

A.

– The standard audiovisual equipment provided for plenary sessions will consist of a computer, a computer projector, screen, lighted podium, podium microphone, and a laser pointer.

– If additional equipment is required, provisions will be made available for you to order the

equipment at your expense.

– A Speaker Ready Room will be available onsite for presenters to review their presentations.

– A Technical Presentation Specialist will be assigned to review and assist you with your presentation relating to any required changes.

– Every presenter will be invited to make an appointment on-site with the technical specialist. This will ensure the most professional transitions for all presentations. Click here for more details.

Q. What are the specs of the posters?

A. Posters should be no bigger than 4 feet wide by 4 feet tall. Sticky-back velcro and pins will be provided onsite to adhere posters to felt-backed boards.

Q. How do I withdraw my abstract after the abstract submission deadline?

A. Prior to July 1, 2011, please use the online form to withdraw your abstract. If it is later than July 1, 2011, please send an email request to: [abstract@hawaii.edu](mailto:abstract@hawaii.edu).

Q. What is the difference between invited and contributed abstracts?

A. Invited abstracts are submitted in response to a written invitation by the organizers of the PSNA symposium. Contributed abstracts are submitted in response to the Call for Abstracts.

Q. If my institution or university requires that I have a letter from the Society to present an abstract at PSNA 2011, how do I obtain it?

A. The letter or email of acceptance from the organizer of the conference will identify all

the criteria for submission and any support provided by PSNA will also be identified. If further documentation is required, the University of Hawai'i at Hilo Conference Center will provide additional support documentation.

Q. If I submit a contributed abstract, will it be scheduled automatically as a poster?

A. No. All submitted abstracts, invited and contributed, will be reviewed by the symposium organizers. The PSNA organizers will make the determination and advise you as to the preferred method of delivery.

Q. What is the time allowed for oral presentations?

A. The general guideline used by the conference organizers is 15 minutes

Q. If I don't want to do an oral presentation, can I submit a poster?

A. During the submission, you have the opportunity to indicate that you would prefer to have a poster presentation.

Q. How many abstracts can I submit?

A. Unlimited



## Field Trips

PSNA 2011 is offering a pre-conference field trip, as well as several mid-conference field trips which showcase the diversity and exotic flora and fauna of Hawai'i Island. Please click on the following links for more details. Sign up for these optional field trips through the conference registration form: (Registration Link Coming Soon) Saturday, December 10, 2011; Pre-Conference Field Trip

Volcano Day (Hawai'i Volcanoes National Park and Southern Coast of the Big Island) Tuesday, December 13, 2011; Mid-Conference Field Trips

\$ 70 – Volcano Day (Hawai'i Volcanoes National Park and Southern Coast of the Big Island)

\$ 90 – Kona Historical & Coffee Tour

\$ 150 – Paniolo/Hamakua Coast



## Volcano Days

Wear comfortable walking/hiking shoes, wear long pants, light rain gear, towel, sun block, water bottle, & camera.

### Dates:

Saturday, December 10, 2011; Pre-Conference Field trip  
Tuesday, December 13, 2011; Mid-Conference Field Trip

### Cost:

\$ 70 – per person for conference participants/guests  
All field trips are contingent on a minimum of 25 participants

### Inclusions:

Roundtrip transportation  
Picnic lunch  
Healthy snacks  
Resources: Field Interpreter Guide/  
Hawaiian Geologist and park rangers  
Guided tour of Hawai'i Volcanoes National Park including the volcanic sulfur banks, where you'll witness steam vents, craters, and walk through amazing lava tubes.  
Brochures and pamphlets on Hawaiian Volcanoes  
Magnificent crater rim views

### Description:

One of the world's most dramatic landscapes in the world, Hawai'i Volcanoes National Park is both a powerful geological site as well as a deeply spiritual experience.

Madame Pele's (Goddess of the Volcano) presence can be felt as reflect on the powerful eruptions of the past. Your field interpreter, a Hawai'i Geologist, will take you to the Volcano's sulfur banks, steam vents, lava flows, craters and awesome lava tubes. This will be an unforgettable trip as you explore unimaginable vistas! Be prepared for temperature changes and please bring a light sweater or jacket and light rain gear.

Those with heart or lung conditions must be aware of altitude, weather and air changes. Field trip includes lunch, and visits to Kilauea Visitor Center, Jaggar Museum, Crater Rim Drive, Mauna Ulu Lava Field and Nahuku (Thurston) Lava Tube.

### Itinerary:

08:15 am Depart for Hawai'i Volcanoes National Park  
10:45 am Hawai'i Volcanoes National Park  
Kilauea Visitors Center  
Sulfur Banks & Steam Bluffs  
Picnic lunch

### Jaggar Museum

Mauna Ulu Lava Field

Nahuku (Lava Tube)

03:45 pm Depart back to hotel

## Kona Historical & Coffee Tour

Wear comfortable shoes & bring spending money.

### Date:

Tuesday, December 13, 2011; Mid-Conference Field Trip

### Cost:

\$90 – per person for conference participants/guests  
All field trips are contingent on a minimum of 25 participants

### Inclusions:

Roundtrip transportation  
Picnic Lunch  
Healthy snacks  
Walking tour of downtown Kailua Kona  
Guided tour of Living History Farm  
Guided tour of Greenwell Store Museum  
Booklet with pictures and stories of downtown Kailua Kona

### Description:

Step back in time to Hawai'i's past. Experience the 1880's at the Greenwell Store Museum. Stroll along the award-winning Kona Coffee Living History Farm that depicts the story of Kona's coffee pioneers. Visit the final home of King Kamehameha I and view historic structures such as the Hulihe'e Palace, Moku'aikaua Church, and St. Michael's Catholic Church, all favorites of the royal family and the center of early missionary activity in Hawai'i.

Tour includes a booklet with pictures and stories of downtown Kailua Kona.



Itinerary:  
 08:30 am Depart hotel for Walking Tour Downtown  
 09:30 am Walking Tour Downtown start at King Kamehameha Hotel  
 11:00 am End tour at Hulihe'e Palace  
 11:15 am Depart for Living History Coffee Farm  
 11:30 am Tour of Living History Coffee Farm  
 12:15 pm Arrive at Greenwell Store Museum  
 12:30pm Picnic Lunch  
 01:00 pm Tour of Greenwell Store Museum  
 03:15 pm Depart for Hotel

### **Paniolo/Hamakua Coast**

Wear comfortable shoes, long pants and bring a jacket.  
 Older than 7 years, no more than 250lbs  
 Click here to go back to field trips overview

Date:

Tuesday, December 13, 2011; Mid-Conference Field Trip

Cost:

\$150 – per person for conference participants/guests

All field trips are contingent on a minimum of 25 participants

Inclusions:

Roundtrip transportation  
 Picnic lunch (Catered boxed lunches from Liliko'i Cafe)  
 Healthy snacks  
 Horseback riding tour in Parker Ranch  
 Magnificent views from the Waipio Valley Lookout  
 Entry and guided tour of World Botanical Gardens  
 Itinerary:

08:00 am Meet in hotel lobby and depart for Parker Ranch Center  
 09:00 am Ride where paniolos (cowboys) and horses first met 150 years ago.

The ride features ancient Hawaiian artifacts, 19th century stone corals, vast rolling hills, cowboys station, and the Paniolo (Cowboys) of Hawai'i!

11:00 am Picnic lunch (Catered boxed lunches from Liliko'i Cafe)

12:30 pm Depart for Honoka'a/Waipio Valley. Waipio Valley Lookout. Waipi'o is famous for its continual supply of spring water, for its taro, and for its political and spiritual importance, in which was once the major population center for the island.

2:00 pm Stop at World Botanical Gardens

Known as the home of Peace and Beauty, the World Botanical Gardens includes the spectacular and intimate Kamae Falls. Extending up the slope of the extinct Mauna Kea volcano, walk and soak in the beauty

of the island, abundant agriculture and pristine rain forest.

3:30 pm Proceed back to Hotel

5:00 pm Return curbside at hotel lobby

### **Organizing Committee**

Norman G. Lewis, Ph.D.

Committee Chair

Director

Institute of Biological Chemistry  
 Washington State University

John M. Pezzuto, Ph.D.

Local Host

Professor and Dean

College of Pharmacy  
 University of Hawai'i at Hilo

Charles L. Cantrell, Ph.D.

PSNA President

National Center for Natural  
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Cecilia A. McIntosh, Ph.D.

PSNA President-Elect

Professor, Biological Sciences

Dean, School of Graduate Studies

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David R. Gang, Ph.D.

PSNA Past-President

Associate Professor and Fellow  
 Institute of Biological Chemistry  
 Washington State University

Mark A. Bernards, Ph.D.

PSNA Past-President

Professor & Chair

Department of Biology

The University of Western Ontario



John Thor Amason, Ph.D.  
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Judith Fox-Goldstein, CFEE  
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University of Hawai'i at Hilo  
Conference Center

### Scientific Committee

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- Yoshinori Asakawa
- K. Hüsni Can Baser
- Rudolf Bauer
- Jörg Bohlmann
- G. Paul Bolwell
- Vanderlan Da Silva Bolzani
- Wanchai De-Eknamkul
- Daneel Ferreira
- Mary Garson
- Jonathan Gershenzon
- De-an Guo
- Mahabir P. Gupta
- Massuo Jorge Kato
- Ikhlas A. Khan
- Toni M. Kutchan
- Norman G. Lewis
- Rachel Mata
- Susan McCormick
- Cecilia A. McIntosh
- Birger Lindberg Møller
- W. David Nes
- Hermann M. Niemeyer
- M. Soledade C. Pedras
- John M. Pezzuto
- Richard Robins
- Michel Rohmer
- Rosario Rojas
- Kazuki Saito
- Joachim Stöckigt
- Dieter Strack
- Hermann Stuppner
- Toshiaki Umezawa
- Robert Verpoorte

## PSNA Elections: Call For Nominations

### President-Elect

Nominations are sought for the office of President-Elect for the Phytochemical Society of North America. All current members of the PSNA are eligible to be nominated, except those that have served in this role in the past. Names of potential nominees should be sent to Dr. David Gang ([gangd@wsu.edu](mailto:gangd@wsu.edu)), no later than July 31, 2011. Ballots will be prepared and an electronic vote conducted. The winner will be announced during the Business Meeting at the 2011 Annual Meeting in Hawaii.

The term of President-Elect is effectively three years, albeit with a graduated role. The first year is as President-Elect; however the incumbent will automatically become PSNA President in the next year, and fulfill the duties of Past-President the year after that. For a full description of the duties of each of these positions, please refer to the Constitution & Bylaws information posted on the PSNA website (<http://www.pсна-online.org>). Follow the link to "Society Business" and select "Constitution and Bylaws".



### Secretary

Nominations are also sought for the office of Secretary for the Phytochemical Society of North America. All current members of the PSNA are eligible to be nominated. Names of potential nominees should be sent to Dr. Charles Cantrell ([clcantr1@olemiss.edu](mailto:clcantr1@olemiss.edu)), no later than July 31, 2011. Ballots will be prepared and an electronic vote conducted. The winner will be announced during the Business Meeting at the 2011 Annual Meeting in Hawaii.

The term of Secretary is three years with the possibility for extension. For a full description of the duties of this position, please refer to the Constitution & Bylaws information posted on the PSNA website (<http://www.pсна-online.org>). Follow the link to "Society Business" and select "Constitution and Bylaws".

### Treasurer

Nominations are also sought for the office of Treasurer for the Phytochemical Society of North America. All current members of the PSNA are eligible to be nominated. Names of potential nominees should be sent to Dr. Charles Cantrell ([clcantr1@olemiss.edu](mailto:clcantr1@olemiss.edu)), no later than July 31, 2011. Ballots will be prepared and an electronic vote conducted. The winner will be announced during the Business Meeting at the 2011 Annual Meeting in Hawaii.

The term of Treasurer is three years with the possibility for extension. For a full description of the duties of this position, please refer to the Constitution & Bylaws information posted on the PSNA website (<http://www.pсна-online.org>). Follow the link to "Society Business" and select "Constitution and Bylaws".



## PSNA STANDING COMMITTEES FOR OPERATION

### PSNA Membership and Society Advancement Committee

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**51<sup>st</sup> Annual Meeting**  
of the  
**Phytochemical Society of North America**  
**August 11-15, 2012**



University of Western Ontario ([www.uwo.ca](http://www.uwo.ca))  
Department of Biology ([www.uwo.ca/biology/](http://www.uwo.ca/biology/))  
City of London (<http://www.londontourism.ca/>)  
Tourism Ontario ([www.ontariotravel.net](http://www.ontariotravel.net))







Phytochemical Society of North America  
Sociedad Fitoquímica de América del Norte  
Société Phytochimique de L'Amérique du Nord  
**New Member Application Form**

Please fill in the following application and return to the Treasurer with your dues payment. Once your application has been processed, you will receive newsletters and special mailings. You are also eligible for PSNA member discounts on the Recent Advances in Phytochemistry series (See Website).

Payments should be made by one of the following: check drawn on a US checking account, US travelers check, or US money order, International Money Order, Credit Card on the PSNA Website or Paypal payment to [psnatreasurer@yahoo.com](mailto:psnatreasurer@yahoo.com) . Please make check or money order payable to the Phytochemical Society of North America.

Credit Card Payment: Paying membership dues online via credit card has now been established. Please select the link from the PSNA homepage to pay by credit card. A paypal account is NOT required but will expedite the process. If using a paypal account, send directly to [psnatreasurer@yahoo.com](mailto:psnatreasurer@yahoo.com)

Advance Payment: It is now possible to pay dues in advance. If you wish to take advantage of this feature, please indicate above the years for which you would like to pay in advance.

Dues schedule:                      Regular member - \$60.00 per year  
   Student member - \$30.00 per year

Return this statement along with your payment to:                      Dr. Franck Dayan  
   PSNA Treasurer  
   USDA-ARS  
   P.O. Box 8048  
   University, MS 38677

Name (Dr., Mr., Mrs., Ms.):

Mailing Address: Line 1:

Line 2:

City: State/Province: Zip/Postal Code:

Phone: Fax:

E-Mail:

The PSNA homepage is now available at [www.psna-online.org](http://www.psna-online.org)