

10<sup>th</sup> Annual

# Florida Heterocyclic and Synthetic IUPAC-Sponsored Conference

and Short Course on  
Heterocyclic Chemistry

at  
The J. Wayne Reitz Union,  
University of Florida  
Gainesville, Florida, USA

Organized by ARKAT USA, Inc.  
and the University of Florida  
Department of Chemistry

Sunday, March 8<sup>th</sup> - Wednesday, March 11<sup>th</sup>, 2009



This event has been sponsored in conjunction  
with the Alachua County Board of County  
Commissioners and Alachua County  
Tourist Development Tax Grant  
and IUPAC

## Heterocyclic and Synthetic Short Courses

- I. **John A. Joule**, The University of Manchester, UK  
"Azoles - Reactions and Ring Synthesis"
- II. **Gordon W. Gribble**, Dartmouth College, USA  
"Applications of Lithium, Palladium, Magnesium, Copper, Iron, and Other Metals"
- III. **Girolamo Cirrincione**, University of Palermo, Italy  
"Eight-Membered Rings with Two Heteroatoms: Chemistry and Ring Synthesis"
- IV. **Ronald K. Castellano**, University of Florida, USA  
"Noncovalent Interactions of Aromatics and Heteroaromatics in Chemical and Biological Recognition"
- V. **William R. Dolbier**, University of Florida, USA  
"Overview of Fluorine and Heteroaromatics in Chemistry. Part II"

The five courses together aim to provide an overview of important aspects of current Heterocyclic and Synthetic Chemistry suitable for attendees from both industry and academia. Each short course alone should serve as an introduction or refresher to the particular topic. A Course Manual will be provided that contains copies of lecture slides and references.

## Invited Lectures

Ten sessions of invited lectures on a variety of topics will run in parallel with the above short courses.

## Poster Session

The poster session will be combined with a complimentary wine bar and buffet on the evening of Monday, March 9<sup>th</sup> and continued with a wine reception on the evening of March 10<sup>th</sup>. It is expected that some fifty posters will be presented.

## Catering Arrangements include Complimentary Wine at all Evening Functions

Registration fee includes lunches at the Reitz Union on Monday through Wednesday, all coffee and tea breaks, Welcome Party on Sunday, Full Buffet Dinner at the Monday Poster Session, and Farewell Party on Wednesday. Tickets are required for the Banquet Dinner on Tuesday.

Guest pass includes Excursions together with Welcome Party on Sunday, Full Buffet Dinner at the Monday Poster Session, Wine Reception and Banquet dinner on Tuesday and Farewell Party on Wednesday.

## Gainesville Accommodations

Prices and details correct at time of printing

Accommodation has been reserved at the Holiday Inn, with free parking. The hotel is convenient to both the UF Campus and downtown Gainesville. Please book directly with the hotel before February 1<sup>st</sup>, 2009 (and preferably as soon as possible because rooms are limited) after which the quoted room rates may not be available. You will need to state the conference code "Heterocyclic Conference" when making your reservation.

## Parking

If you are driving to the conference site, the Visitor Welcome Center and Bookstore parking garage is located next to the Reitz Union at the corner of Museum Road and Reitz Union Drive. The standard daily fee is \$5.00 payable at the gate by VISA, MasterCard, or with cash.

## Holiday Inn - University Center

The Holiday Inn is a 20 minute walk from the Conference Center on the University Campus.  
A shuttle will be available to take Holiday Inn guests to and from the daily program at scheduled times.  
A hotel shuttle is available from local airport to hotel and back upon request at no charge to hotel guests.  
Rates: \$95.00 per room single or double per day + applicable taxes.

Tel: (001) 352-376-1661

Fax: (001) 352-336-8717

1250 West University Ave., Gainesville, FL 32601

[www.holiday-inn.com/gnv-university](http://www.holiday-inn.com/gnv-university)

(See UF Campus map on our website at [www.arkat-usa.org](http://www.arkat-usa.org))

## Introduction to FloHet - 10

Nine previous Florida Conferences held each March for the years 2000 through 2008 inclusive, brought together the academic and industrial communities with an abundance of heterocyclic and synthetic chemistry reflecting the current interest in the subject. The program holds particular interest for the industrial chemical community since pharmaceuticals, agrochemicals and colorants usually contain at least one heterocyclic ring.

This, the Tenth Florida Heterocyclic and Synthetic Conference, continues in the tradition of its highly successful predecessors. Registration will start on Sunday, March 8<sup>th</sup> with a Welcome Reception. On Monday the 9<sup>th</sup> through Wednesday the 11<sup>th</sup>, the Conference will feature twelve plenary lectures given by academic and industrial experts from around the world together with invited lectures and short courses on heterocyclic/synthetic topics. A poster session combined with a buffet supper will be held on the evening of Monday, March 9<sup>th</sup>. A wine reception and conference banquet are scheduled for the evening of Tuesday, March 10<sup>th</sup>. The conference closes with a farewell party on the evening of Wednesday, March 11<sup>th</sup>.

## Plenary Speakers

**Eric Carreira**, ETH, Zurich, Switzerland

*"Our Recent Progress in Total Synthesis"*

**Janine Cossy**, EPSCI, Paris, France

*"Natural Products, a Source of Inspiration for Methodologies"*

**Frank Fang**, Senior Executive Director, Eisai Research Institute, Andover, MA, USA

*"Total Synthesis of Natural Product Drug Candidates"*

**Ben Feringa**, University of Groningen, The Netherlands

*"Progress in Chemistry of Materials"*

**Joel Hawkins**, Senior Research Fellow, Pfizer, NY, USA

*"New Chemistries and Technologies for Pharmaceutical Process R&D"*

**Amir Hoveyda**, Boston College, MA, USA

*"New Catalyst and Method Discovery Driven by Natural Product Synthesis"*

**Philip Kocienski**, University of Leeds, UK

*"A Synthesis of Ionomycin"*

**Stephen Martin**, University of Texas, Austin, TX, USA

*"Selected Vignettes from Synthesis of Heterocyclic Natural Products"*

**Mike Martinelli**, Senior Director, Arena Pharmaceuticals, San Diego, CA, USA

*"Development of Chemical Processes Towards Chiral Heterocycles"*

**Koji Nakanishi**, Columbia University, NY, USA

*"Some Heterocyclic Natural Products"*

**Chris Senanayake**, Vice President, Chemical Development, Boehringer Ingelheim, Germany

*"Practical Synthetic Methodologies for Heterocyclic Drug Development"*

**Barry Sharpless**, Scripps Research Institute, La Jolla, CA, USA

*"New Uses for High Energy Nitrogen Compounds"*

## Conference Program

### Sunday, March 8, 2009

6:00 pm-9:00 pm Registration and Welcome Reception  
6:30 pm Buffet Supper

### Monday, March 9, 2009

8:00 am Registration  
8:25 am Opening Remarks  
8:30 am-10:10 am Plenary Lectures 1 and 2  
9:30 am Excursion for Accompanying Persons  
10:10 am-10:40 am Coffee Break  
10:40 am-12:20 pm Alternatives: (a) Short Course I; or (b) Invited Lectures 1-4; or (c) Invited Lectures 5-8; Lunch  
12:20 pm-1:40 pm Lunch  
1:40 pm-3:20 pm Alternatives: (a) Short Course II; or (b) Invited Lectures 9-12; or (c) Invited Lectures 13-16; Coffee Break  
3:20 pm-3:50 pm Plenary Lectures 3 and 4  
3:50 pm-5:30 pm Poster Session  
5:30 pm-9:00 pm Buffet Supper  
6:30 pm-8:00 pm

### Tuesday, March 10, 2009

8:30 am-10:10 am Plenary Lectures 5 and 6  
10:10 am-10:40 am Coffee Break  
10:40 am-12:20 pm Alternatives: (a) Short Course III; or (b) Invited Lectures 17-20; or (c) Invited Lectures 21-24; Lunch  
12:20 pm-1:40 pm Lunch  
1:40 pm-3:20 pm Alternatives: (a) Short Course IV; or (b) Invited Lectures 25-28; or (c) Invited Lectures 29-32; Coffee Break  
3:20 pm-3:50 pm Plenary Lectures 7 and 8  
3:50 pm-5:30 pm Poster Session Continued  
5:30 pm-6:30 pm Wine Reception  
6:30 pm-7:15 pm Conference Dinner (ticket required)  
7:15 pm-9:15 pm

### Wednesday, March 11, 2009

8:30 am-10:10 am Plenary Lectures 9 and 10  
10:10 am-10:40 am Coffee Break  
10:40 am-12:20 pm Alternatives: (a) Short Course V; or (b) Invited Lectures 33-36; or (c) Invited Lectures 37-40; Lunch  
12:20 pm-1:30 pm Lunch  
1:30 pm-3:10 pm Plenary Lectures 11 and 12  
3:10 pm-3:20 pm Closing Remarks  
3:30 pm-5:30 pm Short Excursion  
6:30 pm-9:00 pm Farewell Party

## Registration Fees

|   | Standard  | Academic |
|---|-----------|----------|
| Conference Fee  | \$1300.00 | \$650.00 |
| Conference Dinner/Wine Reception                          | \$60.00   | \$60.00  |
| Guest pass for FloHet-9 Accompanying Persons (per person) | \$275.00  | \$275.00 |
| Specimen Hard copy of an Arkivoc Issue                    | \$15.00   | \$15.00  |
| Wednesday Excursion                                       | \$20.00   | \$20.00  |

*Academic rates apply to full-time employees at an undergraduate teaching institution*

Vicki Tyson, Conference Organizer  
Tel: (001) 386-684-9303 or (001) 352-316-0208  
Fax: (001) 386-684-1433 or (001) 352-392-9199

## Registration and Payment

### Three easy ways to pay...

A completed registration form should be submitted online at <http://registration.arkat-usa.org/>

### Credit Card

We accept VISA, MasterCard, American Express and Discover.

### Bank Transfer

You will be required to provide information including proof of transfer, ensuring that the delegate's name and company details are also provided to the bank with the transfer details and all bank fees are added to the amount due. SEND PROOF OF BANK TRANSFER BY FAX TO DR. C.D. HALL (001) 352-392-9199.

### Check

Checks should be made payable to ARKAT USA, Inc. should be in US Dollars and sent for the attention of Dr. C. D. Hall, Department of Chemistry, PO Box 117200, University of Florida, Gainesville, FL 32611.

Please quote Ref: ARKAT USA, Inc. conference.

Fees reduced 10% for IUPAC Members (this does not include books)

Cancellations/Refunds: Should you be unable to attend and cancel in writing no later than January 26<sup>th</sup>, 2009, ARKAT USA will refund your registration less \$250.00 processing fee. Unfortunately, refunds are not possible after January 26<sup>th</sup>, 2009. Substitutions can be made at any time.