

UAB NORC Conference: Evaluating Bioactive Food Components in Obesity and Cancer Prevention

Friday, September 27 -
Sunday, September 29, 2013
Holiday Inn Resort
Fort Walton Beach, FL



The potential benefits, potential harms, and widespread consumer use of foods with bioactive components (sometimes called 'functional foods') are all of great public health interest. While food has long been known to influence human health, recent scientific advances and innovations in product development have aided the development of designer foods with increased concentrations of bioactive food components (BFCs).

We are hosting a multidisciplinary state-of-the-art conference on BFCs, emphasizing conceptual and methodological challenges, as well as the issues relating to social communication, ethical, and regulatory issues. To this end, we are assembling a multidisciplinary group of investigators to provide participants a thorough state-of-the-science update and critical discussion regarding: (a) The conceptual and methodologic issues involved in studying bioactive food components; (b) The similarities in the underlying issues involved in studying putatively positive and negative effects of BFCs; (c) Evidence for and postulated mechanisms of selected BFCs with respect to their putative effects on cancer, and obesity; and (d) Ethical and social communication issues involved in studying and presenting findings on BFCs to the scientific community, regulatory bodies, and the general public; promote new interdisciplinary and translational research in this area by facilitating interactions among scholars from different disciplines ranging from bench biologists to clinicians, epidemiologists, and regulators.

<http://www.norc.uab.edu/conferences/2013>



UAB
THE UNIVERSITY OF
ALABAMA AT BIRMINGHAM
Knowledge that will change your world

Conference Organizers:



David B. Allison, PhD

Dr. Allison is Associate Dean for Science, UAB Distinguished Professor, Quetelet Endowed Professor of Public Health, Director of the Office of Energetics in the UAB School of Public Health and Director of the UAB Nutrition Obesity Research Center at the University of Alabama at Birmingham.

Dr. Allison's research interests include obesity, quantitative genetics, clinical trials, and statistical and research methodology.



Kristi M. Crowe, PhD, RD, LD

Dr. Crowe is an assistant professor in the Department of Nutrition at the University of Alabama. She received her PhD in Food Science and Nutrition at the University of Maine where she held a graduate fellowship with the National Science Foundation.

Her research focuses on the impact of flavonoids on oxidative and inflammatory stress along with analytical method development for detection of phytochemicals in biological samples. As a result of this body of research, she has recently co-authored the Academy of Nutrition and Dietetics Position Paper on Functional Foods (in press, August 2013).

Questions:

- Direct questions regarding administrative matters to Jeff Allison (205) 975-9675; norc@uab.edu).
- Direct questions regarding scientific/programmatic matters to Kristi Crowe ((205) 348-6173; kcrowe@ches.ua.edu) or David Allison (dallison@uab.edu).

Funded by the University of Alabama at Birmingham and made possible with a grant from the National Cancer Institute and the Office of the Director at the National Institutes of Health - R13CA168347.

CONFERENCE: **Evaluating Bioactive Food Components in Obesity and Cancer Prevention**

September 27-29, 2013 - Holiday Inn Resort, Fort Walton Beach, FL

Registration



Welcome to the Conference on Evaluating Bioactive Food Components in Obesity and Cancer Prevention application site. The National Cancer Institute (NCI) and the National Institutes of Health - Office of the Director (NIH-OD) jointly sponsor this conference.

If you have any questions about registration, please call 1-205-975-9675.

Full Name

First Name:	Last Name:
Degree (s):	Institution/Company:

Address

Street Address:		
City:	State:	Zip:
Country:	Email:	Phone #:

Conference Information

Please select the type of registration you would like (**Early Registration prior to July 31, 2013**):

	Student/Postdoc Rate - \$250 (<i>Early Registrants - \$200</i>) Requires letter with registration from mentor certifying that you are in full-time training)
	Academic, Government and Non-Profit Conference Registration - \$350 (<i>Early Registrants - \$300</i>)
	For Profit and Industry Conference Registration - \$950 (<i>EARLY Registrants - \$850</i>)

A limited number of travel awards (preference to students and postdocs) are available. Awardees will be required to present their research in a poster session. If you are interested in participating please include an abstract for the poster and a recent CV with your registration form.

A copy of this form, with all fields completed, should be sent to the following email address:

norc@uab.edu.

Conference Website: <http://www.norc.uab.edu/courses/conferences/conference2013>

Refund and Cancellation Policy: Attendee substitutions are allowed, but notification must be made in writing by Friday, August 30, 2013 and sent to norc@uab.edu or by fax at (205) 975-7560. After this date no substitutions will be granted. UAB reserves the right to cancel this conference, in which case a full refund of your registration fee will be provided. We are unable to refund any travel costs (flight, hotel, etc.) in the case of UAB's cancellation.

Recording and Photography Clause: UAB reserves exclusive rights to record (audio and video) and/or photograph all conference proceedings for use in marketing materials, presentations and course content sales.

Payment for Conference: An invoice will be emailed to you with instructions on how to pay for the conference.



**THE UNIVERSITY OF
ALABAMA AT BIRMINGHAM**

Knowledge that will change your world

CONFERENCE LOGISTICS

Location: The location will be the Holiday Inn Resort, Fort Walton Beach, FL
(Amenities: next page)

Dates: Arrival on Thursday, September 26th. (Dinner on your own)

Day One: Friday, September 27th, 8:00 AM – 5:30 PM

Day Two: Saturday, September 28th, 8 AM – 4 PM.

Day Three: Sunday, September 29th, 8:00 AM – 11:00 AM.

Lodging:

- **Standard Room:** \$101/night (plus tax);
- **One Bedroom Suite:** \$140/night (plus tax).
- *(Rooms booked after cut-off date: Standard room: \$126/night; Beach front guest room: \$144/night; One Bedroom Suite: \$162/night.)*
- Guests may call the hotel directly at **1-800-238-8686** to make individual reservations.
- *Reservations must be made prior to the **cut-off date (August 5, 2013)** for guaranteed group rate and availability.*
- *The group name (**UAB BFC Conference**) must be mentioned at the time of booking.*
- Check-in time: 4 pm; Check-out time: 11am; (Early check-ins or late check-outs are not guaranteed)

Internet access: Free Wi-Fi throughout the Hotel.

Smoking: Smoking is not permitted in guest rooms or anywhere else inside the Hotel. There are however designated smoking areas.

Ground Transport: Please find below travel times from local airports to the Holiday Inn Resort-Fort Walton Beach. Although both Pensacola and Panama City airports are larger, the smaller airport for Fort Walton Beach at the Eglin Air Force Base has commercial flights with service provided by Delta, American, US Airways, and United. All services provided between 9:30 AM – 5:30 PM.

Ft. Walton-Destin (Northwest Florida Regional Airport - Eglin Air Force Base - VPS): 15 minutes travel time (Private planes are not allowed at this Air Force owned airport.)

Pensacola International Airport - PNS: 1 hour, 15 minutes travel time

Panama City (Northwest Florida Beaches International Airport - ECP) – 1 hour, 30 minutes travel time

The Holiday Inn Resort Fort Walton Beach, Florida is located directly on the sugar white sandy beaches of the Gulf of Mexico. We offer the following amenities for your comfort...

- Newly furnished rooms with New 32" HD TV's & HBO!
- LIVE BEACH CAM!
- Free Unlimited Movie Rental Kiosk Onsite- with DVD player in each room for your convenience!
- Free Beach Service includes 2 chairs & 1 umbrella per room (seasonal)
- "Florida Green Lodging Certified"& Smoke Free Rooms!!
- No Extra Person Charge
- All rooms are equipped with a Refrigerator, Microwave, Coffee Maker, Hair Dryer, Iron and Ironing Board, and Safe.
- Free Wi-Fi throughout the Hotel, and Free Local Telephone Calls with two telephones, data ports, and voice mail.
- Conference Center offers over 3,300 square feet of flexible meeting and pre-function space to accommodate groups, meetings, banquets, trade shows, and receptions.
- Two Heated Pools, Whirlpool, & Rockslide
- Pool basketball/volleyball, Beach volleyball/badminton
- Dive-Inn Movies, Kids Activities (seasonal)
- Visit the Crab Island Café for breakfast and dinner or Manatee's Poolside Bar & Grill for lunch or a frozen tropical beverage
- Kids Eat Free (12 & under in Crab Island Café w/ purchase of adult meal)
- Room Service available
- Guest Laundry Facilities
- Fitness Center - open 24 hours a day for all guests age 18 and up
- Business Center



Day 1
September 27, 2013

Time	Topic	Speaker: (*=confirmed; ‡=invited)
8:00 to 8:05	Announcements/Business	*David Allison, PhD, UAB
I. State of the Science: Addressing the Methodological Issues and Research Integrity in Evaluating BFCs in Functional and Dysfunctional Foods		
8:05 to 8:10	Overview by Moderator	*Luke R. Howard, PhD, U. Arkansas
8:10 to 8:40	<i>Introduction: Update on the existing challenges in characterizing the benefit of BFCs</i>	*Mario Ferruzzi, PhD, Purdue
8:40 to 9:10	<i>Lessons learned from dysfunctional foods</i>	*Yao-Wen Huang, PhD, University of Georgia
9:10 to 9:40	<i>Determination of bioactivity and the need for valid endpoints or biomarkers</i>	*Michael Lefevre, PhD, Utah State University
9:40 to 10:05	Panel Discussion	All speakers led by Moderator
10:05 to 10:15	Break	
10:15 to 10:20	Overview by Moderator	*Steven Schwartz, PhD, Ohio State University
10:25 to 10:55	<i>Assessing the effects of BFC using cellular models: stability and bioavailability issues</i>	*Shengmin Sang, PhD, North Carolina State University
10:55 to 11:25	<i>Addressing the differences in bioavailability of BFC</i>	*Elizabeth Jeffery, PhD, University of Illinois at Urbana-Champaign
11:25 to 11:55	<i>Whole foods versus BFC of foods: What do animal models tell us?</i>	*Susanne Talcott, PhD, Texas A&M University
11:55 to 12:25	<i>Designing human studies of BFC effects and taking behavioral and psychological aspects into account</i>	*Stephen D. Anton, PhD, University of Florida
12:25 to 12:50	Panel Discussion	All speakers led by Moderator
12:50 to 2:00	Lunch	
II. Overview of Functional Food Development and the Legal and Social Issues Surrounding Marketing and Consumer Perception		
2:00 to 2:05	Overview by Moderator	*Fergus Clydesdale, PhD, UMass Amherst
2:05 to 2:35	<i>Analytical methodologies for estimating and assuring BFC in food</i>	*Jeevan Prasain, PhD, UAB
2:35 to 3:05	<i>Development and use of BFCs consistent with cultural preferences</i>	*Ralphenia D. Pace, PhD, RD, LD., Tuskegee University
3:05 to 3:15	Break	
3:15 to 3:45	<i>Selecting the right compound and concentration for product development</i>	*Kristi Crowe, PhD, RD, LD University of Alabama
3:45 to 4:15	<i>Legal and social issues surrounding product testing</i>	*Richard Cleland, JD, Federal Trade Commission
4:15 to 4:40	Panel Discussion	All speakers led by Moderator
III. Panel Discussion		
4:40 to 5:30	Panel Discussion: Translating the BFCs in the Basic Sciences into the Clinical Realm	

Day 2
September 28, 2013

Time	Topic	Speaker: (*=confirmed; ‡=invited)
8:00 to 8:05	Announcements/Business	*David Allison, PhD
IV. Role of Bioactive Food Components in Obesity, Diabetes, and Weight Loss		
8:05 to 8:10	Overview by Moderator	*Lloyd T. Walker, PhD, Alabama A&M University
8:10 to 8:40	<i>Phytochemicals and Metabolic Syndrome</i>	*Agnes Rimando, PhD, USDA-ARS National Center for Natural Products Research
8:40 to 9:10	<i>Nutrient-gene interactions in obesity</i>	*Naima Moustaid-Moussa, PhD, Texas Tech University
9:10 to 9:40	<i>Design and Analysis in BFCs weight loss trials</i>	*David B. Allison, PhD, UAB
9:40 to 10:10	Panel Discussion	All speakers led by Moderator
10:10 to 10:20	Break	
V. Poster Session		
10:20 to 11:50		
11:50 to 1:00	Lunch	
VI. Role of Bioactive Food Components in Cancer Prevention, Development and Progression		
1:00 to 1:05	Overview by Moderator	*Cesar G. Fraga, PhD, University of California, Davis
1:05 to 1:35	<i>Phytochemicals, Food, Chemoprevention, and Cancer Risk</i>	*Johanna Lampe, PhD, RD, Fred Hutchinson Cancer Research Center
1:35 to 2:05	<i>BFCs from the Sea: Marine Organisms as Cancer Preventing Agents</i>	*Esther A. Guzman, Ph.D., Florida Atlantic University
2:05 to 2:35	<i>Complexities of using functional foods in clinical trials: Lessons from a Phase II study of Flaxseed in Prostate Cancer</i>	*Wendy DeMark-Wahnefried, PhD, University of Alabama at Birmingham
2:35 to 2:45	Break	
2:45 to 2:50	Overview by Moderator	*Daniel Romo, PhD, Texas A&M University
2:50 to 3:20	<i>Lunasin: a Cancer Preventive Seed Peptide</i>	*Benito O. de Lumen, PhD, University of California, Berkeley
3:20 to 3:50	<i>Anticancer BFCs: Translating from cells, to animals, to humans</i>	*Balakrishna L. Lokeshwar, Ph.D., University of Miami
3:50 to 4:20	Panel Discussion	All speakers led by Moderator
VII. Panel Discussion		
4:20 to 5:10	Panel discussion with Oncologists and oncology nutritionist/dietitians: BFCs in the real world	

Day 3
September 29, 2013

Time	Topic	Speaker: (*= <i>confirmed</i> ; ‡= <i>invited</i>)
8:00 to 8:05	Announcements/Business	*David Allison, PhD
VIII. Emerging Approaches to Understanding the Contribution of BFCs in Disease Prevention		
8:05 to 8:10	Overview by Moderator	*Lolita Forrest, PhD, University of North Carolina at Chapel Hill
8:10 to 8:40	<i>Nutrigenomics and BFCs: the potential for personalized nutrition</i>	*James Kaput, PhD, Nestle Health Sciences
8:40 to 9:10	<i>The effect of BFCs on the survival and virulence of food-borne pathogens</i>	*Leonard L. Williams, PhD, North Carolina A&T University
9:10 to 9:40	<i>Metabolomic profiling</i>	*Steven Zeisel, PhD, University of North Carolina, Chapel Hill
9:40 to 10:10	Panel Discussion	All speakers led by Moderator
10:10 to 10:20	Break	
IX. Final Thoughts		
10:20 to 11:00		David Allison and Kristi Crowe

