

**WEDNESDAY OCT. 10, PROGRAM (AT A GLANCE)**

Time	Grand Salon East	Grand Salon West	Lobby	Grand Salon Pre-Assembly	Colonnade
7:00			<b>Registration</b>		
8:00	<b>Opening Session</b>			Exhibitors	Poster Session II
9:45	Nutrition Break				
10:15	<b>2. Antioxidant in FAV and Improving Human Health</b>	<b>1a. Cancer Prevention</b>			
12:00	Lunch				
1:30	<b>3. Brain and Eye Health</b>	<b>1b. Cancer Prevention</b>			
3:15	Nutrition Break				
3:45	<b>4. Bioavailability</b>	<b>5. Citrus and Disease Prevention</b>			

**6:00-8:30 am Breakfast Palm Court**

**7:00 am-5:00 pm Registration Lobby**

**8:00 – 9:45 am Opening Session Grand Salon East and West**

- 8:00 **Bhimanagouda S. Patil**, Ph.D., FAV Health 2007 Chair and Director, Vegetable & Fruit Improvement Center, Texas A&M University
- 8:25 **Frank Ashley**, Ph.D., Vice Chancellor for Academic Affairs, Texas A&M University
- 8:40 Keynote Address  
**Eric Hentges**, Ph.D., Director, International Life Sciences Institute, Washington, DC, USA
- 9:25 Question and Answer
- 9:40 ISHS Commission on Human Health Update  
**Yves Desjardin**, Commissioner

**[BACK TO TOP]**

**9:45 am Nutrition Break Colonnade**

**10:15 am – 12:00 pm Session 1a. Cancer Prevention Grand Salon West**

- Co-Chairs:* *Michael Wargovich, Hollings Cancer Center*  
*Derek Keenan, Graduate Student, Ashtown Food Research Center, Ireland*
- 10:20 Plenary Bioactive phytochemicals in fruits and vegetables for cancer prevention  
**Sharon A. Ross**, Ph.D, MPH, National Institute of Health, USA
- 10:50 Invited Targeting Inflammation for Prevention and Treatment of Cancer by Fruits, Vegetables & Spices: Food for Thought  
**Bharat B. Aggarwal**, Ph.D., The University of Texas m. D. Anderson Cancer Center, Houston, TX U.S.A.
- 11:10 Invited Phytochemical approach for management of prostate cancer.  
Ghosh R, Ganapathy M, Chakradhar V, Rivas, P, Sri Balasubashini M, Thompson, I M, Slaga, T J and **Pratap Kumar, A.**, Ph.D., University of Texas Health Science Center, San Antonio. USA
- 11:30 Invited Chemoprevention against cancer: Induction of phase-II drug metabolizing enzymes by myristicin  
V. Valdavia, A. Cadena, E. Martinez, M. Amor, B. Robles, R. Patel, Z. Zapata, A. Mancha, W. Lai, **H. Ahmad**, Ph.D. University of Texas, Pan American, USA

**[BACK TO TOP]**

**10:15 am – 12:00 pm Session 2. Antioxidants in FAV and Improving Human Health Grand Salon East**

- Co-chairs:* *Jim Joseph, U.S. Department of Agriculture-ARS, Boston, USA*  
*Anne Liberty, Graduate Student, University of Massachusetts, USA*
- 10:20 Plenary Antioxidant Status *in vivo*: The case for regular consumption of antioxidant rich fruits and vegetables  
**Ronald Prior**, Ph.D., U.S. Department of Agriculture-Agriculture Research Service, Arkansas, USA
- 10:50 Oral Cell culture models for antioxidant research  
**Rui Hai Liu**, M.D., Ph.D., Cornell University, Ithaca, New York, USA
- 11:05 Oral Antioxidant properties and fatty acid composition of pecan kernels.  
**Leonardo Lombardini**, Ph.D., J. Emilio Villarreal-Lozoya and Luis Cisneros-Zevallos, Vegetable and Fruit Improvement Center, Department of Horticultural Sciences, Texas A&M University. USA
- 11:20 Oral Fluorescence imaging for localization of antioxidants and capsaicin in fruit tissues of *capsaicum* pepper types.  
**Cyril E. Broderick**, and Peter H. Cooke, Delaware State University. USA
- 11:35 Oral Increased antioxidant activity *in vivo* in humans consuming Monavie, an Acai (*Euterpe oleracea*) berry fruit-based beverage.

[BACK TO TOP]

12:00 pm Lunch Palm Court

1:30-3:15 pm Session 3 Brain and Eye Health Grand Salon East

Co-chairs: Barbara Winters, Campbell Soup Company,  
Jyothi Maria Veigas, Graduate Student, Central Food Technology Research Institute, Mysore, India

1:35 Plenary: Nutritional Interventions Against Age-Related Macular Degeneration  
**Paul S. Bernstein**, M.D., Ph.D., Moran Eye Center, University of Utah, USA

2:05 Invited "Signaling" Good News for the Modulation of Age-Related Cognitive Decline, and Neurodegenerative Disease Via Dietary Fruit Supplementation?  
**James "Jim" Joseph**, Ph.D., B. Shukitt-Hale, V. Cheng, D. Bielinski, D. Fisher, U.S. Department of Agriculture-Agriculture Research Service, Boston USA

2:25 Invited Interactions of functional foods and age-related macular degeneration  
**Jack N. Losso**, Ph.D., Louisiana State University. USA

2:45 Oral Genetic variability for lutein concentrations in leafy vegetable crops can influence serum carotenoid levels and macular pigment optical density in human subjects  
**Dean A. Kopsell**, Ph.D., Joanne Curran-Celentano, David E. Kopsell, Adam J. Wenzel; The University of Tennessee, Knoxville. USA

3:00 Oral Brain isoform of creatine kinase, an enzyme protected by phytochemical anti-oxidants: oxidative modification sites mapped by Fourier transform ion cyclotron resonance mass spectrometry and analysis of functional effects  
Shannon Eliuk, Matthew Renfrow, Erin Shonsey, Jessy Deshane, Sreelatha Meleth, Stephen Barnes, and **Helen Kim** Ph.D., University of Alabama at Birmingham, USA

[BACK TO TOP]

1:30-3:15 pm Session 1b. Cancer Prevention Grant Salon West

Co-chairs: Dennis Bier, M.D., Children's Nutrition Research Center, Baylor College of Medicine, Houston, USA  
Stacie Haaga, U.S. Apple Association, Virginia, USA

1:35 Plenary Fruit Phytochemicals for Cancer Prevention: Mechanisms of Action  
**Rui Hai Liu**, M.D. & Ph.D., Cornell University, USA

2:05 Oral Cranberry flavonoids and triterpenoids: *in vitro* evidence for anti-cancer activity  
**Catherine C. Neto**, Anne M. Liberty, Jon W. Amoroso, Peter E. Hart, Robert A.R. Hurta, Malcolm A. MacLean, University of Massachusetts, Dartmouth, USA

2:20 Oral Molecular mechanisms involved in the inhibition of MDA-MB-435 breast cancer cells by phenolic acids from red flesh peach BY00P6653  
**Giuliana Noratto**, David Byrne, Luis Cisneros-Zevallos, and Weston Porter  
Vegetable & Fruit Improvement Center, Department of Horticultural Sciences, Texas A&M University, USA

2:35 Oral Bioactive molecules from fruits and vegetables significantly potentiate traditional chemotherapy  
**Richard Gunasekera**, Desiree Arrambide, Siva G. Somasundaram  
Department of Biology, University of Houston-Victoria, Texas, USA

2:50 Discussion

[BACK TO TOP]

3:15 pm Nutrition Break Colonnade

3:45 – 5:15 pm Session 4. Bioavailability Grand Salon East

Co-chairs: Susan Roberts, The Beverage Institute for Health and Wellness  
Claudia P. Cordero, Graduate Student, National University of Colombia

3:50 Plenary Modulating bioavailability of carotenoids.  
**Steve Schwartz**, Ph.D., Ohio State University, Columbus, USA

4:20 Invited Bioavailability and bioefficacy of dietary carotenoids  
**Myriam Richelle**, Ph.D., Nestle Research Center, Switzerland

4:40 Invited The influence of food formulation on digestive behavior and bioavailability of catechin polyphenols  
**Mario Ferruzzi**, Ph.D., Purdue University, USA

5:00 Oral Carotenoids from citrus juices: bioaccessibility and intestinal uptake.  
Claude Dhuique-Mayer, Bertrand Caporiccio, Patrick Borel, **Marie Josephe Amiot-Carlin**, Ph.D. National Institute of Health and Medical Research, Marseilles, France.

5:15 Oral Bioavailability of cranberry flavonoids: Distribution and clearance of flavonol glycosides. **N. Vorsa**, Ph.D., A. P. Singh, E. Shabrova, K. Schaich and L. Quadro, Rutgers University, New Jersey, USA

[\[BACK TO TOP\]](#)

**3:45 – 5:15 pm**

**Session 5. Citrus and Disease Prevention**

**Grand Salon West**

Co-chairs:

*Carolyn Aldige* , *President, Cancer Research and Prevention Foundation*  
*Basavaraj Girenavar*, *Vegetable and Fruit Improvement Center, Texas A&M University*

3:50 Plenary

Red grapefruit positively influences serum triglyceride level in patients suffering from coronary atherosclerosis: Studies *in vitro* and in humans  
**Shela Gorinstein** , Ph.D., Abraham Caspi, Imanuel Libman, Henry Tzvi Lerner, Dejian Huang, Hanna Leontowica, Maria Leontowica, Zev Tashma, Elena Katrich, Shengbao Feng, and Simon Trakhtenberg  
The Hebrew University Hadassah Medical School , Jerusalem , Israel

4:20 Invited

Inhibition of colon cancer by limonin and its glucoside involves regulation of Bcl 2/Bax  
**Kotamballi N. Chidambara Murthy**, Ph.D., G.K. Jayaprakasha, Vinod Kumar, Keerthi S. Rathore and Bhimanagouda S. Patil, Vegetable & Fruit Improvement Center, Department of Horticultural Sciences, Texas A&M University, USA

4:40 Oral

Structural differences of limonin influence induction of phase II enzymes  
**Jose L. Perez**, G.K. Jayaprakasha, Deepak V. Dandekar, Hassan Ahmad, and Bhimanagouda S. Patil, Vegetable and Fruit Improvement Center  
Department of Horticultural Sciences, Texas A&M University, USA

4:55 Oral

Differential phosphorylations of constitutive NFkB Ser 468/536 by limonoids and cell growth of MDA MB 231 human breast cancer cell line.  
**Siva Somasundaram**, K. Pearce, R. Gunasekera, G.K. Jayaprakasha and Bhimanagouda S. Patil, Vegetable and Fruit Improvement Center, and University of Victoria, TX, USA

[\[BACK TO TOP\]](#)

**6:30 – 8 pm**

**Poster Session and Reception**

**Colonnade**

