

AACCI Carbohydrate Division Newsletter

Editor: Dilek Austin, Secretary & Treasurer

September 2017



Welcome to Cereals 17, San Diego, California

Dilek Uzunalioglu, Chair

The 2017 AACCC International Annual Meeting this year will take us to San Diego, which is 8th largest city in United States with a population of 1.4 millions.

San Diego has been called "the birthplace of California". It was the first site visited by Europeans, what is now the West Coast of the United States. Upon landing in San Diego Bay in 1542, Juan Rodríguez Cabrillo claimed the area for Spain, forming the basis for the settlement 200 years later. The Presidio and Mission San Diego de Alcalá, founded in 1769, the first European settlement. In 1821, San Diego became part of the newly independent Mexico. In 1850, California became part of the United States following the Mexican-American War and the admission of California to the union.

San Diego is known for its beaches, parks and warm climate. Balboa Park is the site of the renowned San Diego Zoo, as well as numerous art galleries, artist studios, museums and gardens. We hope you all enjoy your time in this beautiful city while attending [Cereals 17](#).

The 2017 technical program focuses on cross-scientific, multidisciplinary initiatives, packed with Symposia, Special Sessions, Hot Topics, Technical sessions and Poster presentations. We are sure you are going to have another wonderful AACCI Annual Meeting. See you all at the

Opening General Session with Keynote, Monday October 9th, 8:45-10:00 am

Division Luncheon/Business Meetings, Monday October 9th, 12:00-1:00 pm

Carbohydrate Division Business Meeting, Monday October 9th, 1:00-2:00 pm

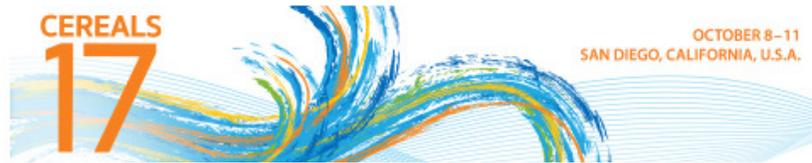
Carbohydrate Division Networking Dinner, Tuesday October 10th, 6:30-9:00 pm

Sundown San Diego Reception, Tuesday October 10th, 9:00-10:30 pm

Closing General Session with Keynote, Wednesday October 11th, 10:30 am- 12:00 pm

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Cereals 17 Carbohydrate Division Networking Dinner

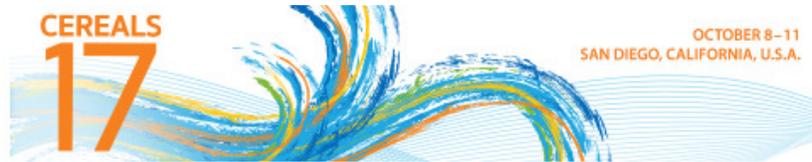
Carbohydrate Division Networking Dinner will take place at Town & Country Resort and Convention Center this year.

This year dinner made possible with generous contributions from Megazyme and Ingredion Incorporated.

- **\$ 2,000 Barry V. McCleary, Megazyme**
- **\$ 1,000 Christopher Lane, Ingredion Incorporated**

Please join us at **6:30 pm on Tuesday, October 10th** for the drinks and dinner while enjoying the company of your friends and colleagues. After dinner please plan to join Sundown Reception organized by AACCI from 9:00-10:30 pm.





Cereals 17 Technical Sessions & Workshops

- **Sunday, October 8, 2017, 8:00 am – 3:00 pm.** Measurement of polysaccharides and enzymes in cereal grains and cereal-based foods.
- **Sunday, October 8, 2017, 3:00-4:40 pm.** Understanding starch granule structure and interactions.
- **Monday, October 9, 2017, 10:20 am-12:00 pm.** Clean Label Formulation: Strategies and Functional Aspects. *Sponsored by Carbohydrate Division.*
- **Monday, October 9, 2017, 10:20 am- 12:00 pm.** Effect of processing on nutritional and rheological properties of pulse crops: benefits of “by-products. *Sponsored by Carbohydrate Division.*
- **Monday, October 9, 2017, 2:00-3:40 pm.** Link between dietary fiber, colonic microbiota and health. *Sponsored by Carbohydrate Division.*
- **Tuesday, October 10, 2017, 10:30 am- 12:10 pm.** Enzymes in Baking and Cereal Science: A Review of Key Applications. *Sponsored by Carbohydrate Division.*

2016 Megazyme Awardees

Congratulations to 2016 Megazyme award winners; their awards will be presented during Carbohydrate Division Networking Dinner

- **1st place:** **Yunus E. Tuncil**, Purdue University. Human colon bacteria show substrate dependent hierarchical preference to dietary fibers, with structure determining rank
- **2nd Place:** **Derrick Amoako**, Texas A&M University. Interactions Involved in the Formation of Starch-Tannin Complexes
- **3rd Place.** **Sandrayee Brahma**, University of Nebraska Lincoln. Impact of dietary pattern of the fecal donor on in vitro fecal fermentation properties of whole grains and brans.

2017 Megazyme Finalists

Congratulations to 2017 finalist, be ready to present during Cereals 17 conference for 2017

- **Nore Struyf**, KU Leuven - Laboratory of Food Chemistry and Biochemistry, nore.struyf@kuleuven.be
Oral-Enzyme- and yeast-based strategies to modulate dough fermentation dynamics
- **Laura Roman**, University of Valladolid laura.roman@iaf.uva.es
Oral-Ratio of A- to B-type wheat starch granules as a parameter to improve the quality of gluten-free breads: Optimizing dough viscosity and Pickering stabilization
- **Fang Fang**, Purdue University elainerabbitfang@gmail.com
Oral-Shear-induced ordering of amylopectin dispersions
- **Jialiang Shi**, Kansas State University jialiang@ksu.edu
Oral-Preparation, structure and digestibility of spherulites produced from debranched waxy maize starches
- **Heleen Olaerts**, KU Leuven, Laboratory of Food Chemistry and Biochemistry heleen.olaerts@kuleuven.com
Oral-Analysis of preharvest sprouting of wheat and the development of postharvest technologies to reduce its impact on wheat quality

Carbohydrate Division Financial Report

Balance forward from 03/31/2016	\$26,158.40
Income	
-membership dues	\$1,845.00
Income before expense	\$5,907.22
Expenses	
Megazyme awards	\$1,000.00
Annual meeting expenses	\$4,260.86
Dues processing fees	\$123.00
Total expense	\$5,383.86
Balance March 2017	\$28,526.76

Memories from 2017 Carbohydrate Division Networking Dinner Savannah, Georgia



2016-2017 Carbohydrate Division Officers

Chair: Dilek Uzunalioglu, Ingredion Incorporated



Chair-Elect: Harkanwal Sandhu, Rich Products Corp



Past Chair: Senay Simsek, North Dakota State University



Secretary-Treasurer: Dilek Austin, Novozymes North America Inc



Division Program Chair: Amy Hui-Mei Lin, University of Idaho



Board Liaison, Ex-Officio: Christophe M. Courtin, KU Leuven



2018 New Officer Nomination



Dr. Akiwa, Associate Professor, Texas A&M University

Dr. Akiwa's focus is grain chemistry, processing and quality: Identifying mechanisms by which secondary plant metabolites and minor grain constituents can be optimized to improve food quality and human health; processing techniques to improve health and nutritional profile of grains. In these endeavors, Dr. Akiwa collaborates closely with plant breeders and geneticists as well as nutritional biochemists. Dr. Akiwa also involved in international projects aimed at using grains to improve livelihood through nutrition and food security for small scale farmers in Africa.