

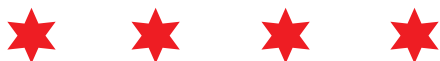


**CHICAGO**

**THE ACADEMY OF  
DENTAL MATERIALS**

*Annual Meeting*  
**THE DRAKE HOTEL**



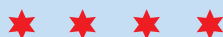


## MEETING INFORMATION AND PROGRAM

The overall goal of the meeting is to bring together researchers, academicians, clinicians and industry in a casual and inviting environment to discuss many breakthroughs and new research directions in a wide range of topics in dental materials. Three broad themes were selected this year to generate interest and discussion in various topics, including: (1) a fresh look at natural biomaterials and interfaces, (2) innovation in dental materials development and performance, (3) biocompatibility considerations for novel materials and (4) challenges faced by materials in the various oral micro-environments.

### DAY ONE

Wednesday, October 12th, 2016



4:30 PM – 6:30 PM

**Registration**

6:30 PM – 9:00 PM

**Welcome Reception**  
Palm Court

### DAY TWO

Thursday, October 13th, 2016



#### **Session Theme: Natural Biomaterials – Close-up and Fresh Look**

7:30 AM – 8:25 PM

**Breakfast + Learn**

8:30 AM – 9:00 AM

**Registration and Opening Ceremony**

9:00 AM – 10:00 AM

Chemical Nano-Imaging of Enamel and Biomineralization  
**Dr. Derk Joester**, Northwestern University, Chicago, USA

10:00 AM – 11:00 AM

Dentin at the nanoscale: hierarchical organization, mechanical behavior and bioinspired fabrication  
**Dr. Luiz Eduardo Bertassoni**, Oregon Health Sciences University, Portland, USA

11:00 AM – 12:30 PM

**Coffee break + Poster session**

12:30 PM – 1:30 PM

The PDL – A Biological Interface Model of Load Bearing Complex  
**Dr. Sunita Ho**, University of California at San Francisco, San Francisco, USA





**Session Theme: Artificial Biomaterials – Smarter and Safer?**

- 7:30 AM – 8:25 PM            **Breakfast + Learn**
- 8:30 AM – 9:30 AM            Innovations in Dental Resin Composites Chemistry  
**Dr. Christopher Bowman**, *University of Colorado, Boulder, USA*
- 9:30 AM – 10:30 AM           Self-healing Materials and Biological Applications  
**Dr. Scott White**, *University of Illinois Urbana-Champaign, Urbana, USA*
- 10:30 AM – 12:00 PM         **Coffee break + Poster session**
- 12:00 PM – 1:00 PM           Biocompatibility of Biomaterials: Lessons Learned and Considerations for the Design of Novel Materials  
**Dr. Gottfried Schmalz**, *University Medical Centre Regensburg, Germany*
- 1:00 PM – 1:30 PM            **General Assembly**
- 7:00 PM – 10:00 PM          **“A Taste of Chicago” Gala Dinner**



**Session Theme: The Micro-Environment – What Happens at the Surface and Interfaces?**

- 7:30 AM – 8:25 PM            **Breakfast + Learn**
- 8:30 AM – 9:30 AM            “Biofilm Over Teeth and Restorations, What Is It and What Do We Need to Measure?”  
**Dr. Nancy Lin**, *National Institute of Standards and Technology - NIST, Gaithersburg, USA*
- 9:30 AM – 10:30 AM           Fatigue Testing of Biomaterials and Interface  
**Dr. Dwayne Arola**, *University of Washington, Seattle, USA*
- 10:30 AM – 12:00 PM         **Coffee break + Poster session**
- 12:00 PM – 1:00 PM           Innovative Methods to Assess the Adhesive Interfaces  
**Dr. Alex Fok**, *University of Minnesota, Minneapolis, USA*
- 1:00 PM – 1:30 PM            **Paffenbarger Awards**



**Location:**  
**THE DRAKE HOTEL**  
**140 EAST WALTON PLACE**  
**CHICAGO IL 60611**

A block of rooms has been set aside at a special rate for the ADM. Reservations by calling 1-800-55-DRAKE (group code: ADM) or in the website: <https://resweb.passkey.com/go/dentalmaterials>.

**Registration:**

Registration will be handled online through the website of the Academy of Dental Materials:

[www.academydentalmaterials.org](http://www.academydentalmaterials.org)

For registration and membership information, please contact Deanna Hilton at [admin@academydentalmaterial.org](mailto:admin@academydentalmaterial.org)

**Call for Abstracts:**

Abstracts for poster presentation must be submitted through the ADM website:

[www.academydentalmaterials.org](http://www.academydentalmaterials.org)

**Abstract Submission deadline:**

June 1, 2016

**Preliminary acceptance notification:**

July 1, 2016

**Pre-registration deadline for presenters:**

July 15, 2016

**Final acceptance:**

August 1, 2016

**Pre-registration deadline for non-presenters:**

August 12, 2016

For more information, contact Nick Silikas, Transaction Editor at [adm.abstracts@gmail.com](mailto:adm.abstracts@gmail.com)

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