



Announcing the...

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**UMKC School of Dentistry**  
**ORAL AND CRANIOFACIAL BIOLOGY SYMPOSIUM**  
October 9 and 10, 2006

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Sponsored by  
The University of Missouri-Kansas City School of Dentistry  
in conjunction with the celebration of the School's  
*125th Anniversary*

**T**his historic educational event will feature world-renowned researchers, scientists, and practitioners in the fields of oral and craniofacial biology, dental science, and dental biomaterials research. The speakers will include an eminent group from the finest academic and scientific institutions from both across the country and around the world. There will also be presentations by internationally recognized researchers from the UMKC School of Dentistry.

The speakers will discuss their latest findings and research in progress. The conference will cover ground breaking discoveries in:

- Dental and Craniofacial Science
- Mineralized Tissue Biology
- Translational Research
- Biomaterials, Composites and Polymers
- Interfacial Chemistry
- Clinical Research

This is a momentous opportunity for scientists and practitioners to come together and hear first-hand about the most current advancements and achievements in oral biology, dental biomaterials, and translational and clinical research.

The 2-day event will feature formal presentations, small group and panel discussions, exhibits, poster presentations, and several opportunities for attendees to meet and mingle with the preeminent researchers presenting at the conference. *(A list of speakers is included on the back.)*

The UMKC School of Dentistry is proud to sponsor this ground-breaking gathering just as the School is recognizing its distinguished history of 125 years of leadership in dental education. We welcome your participation and support.

## UMKC School of Dentistry Oral and Craniofacial Biology Symposium

This symposium is being conducted as part of the 125th Anniversary Celebration of the founding of the University of Missouri-Kansas City School of Dentistry.

### Guest Speakers

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**Lawrence A. Tabak, D.D.S., Ph.D.**

Director, National Institute of Dental and Craniofacial Research  
*Dr. Tabak studies salivary gland function, specifically the functions of mucins within the oral cavity.*

**Professor Paul Sharpe**

Head, Department of Craniofacial Development  
Dickinson Professor of Craniofacial Biology  
Director of Research  
Dental Institute King's College London  
*Professor Sharpe is internationally renowned for his pioneering research into the genetic control of tooth development.*

**Bjorn R. Olsen, Ph.D.**

Hersey Professor of Cell Biology  
Chairman and Professor  
Forsyth Department of Oral Biology  
Harvard University  
*Dr. Olsen is a recognized expert in skeletal tissues and organ morphogenesis.*

**Robb Krumlauf, Ph.D.**

Scientific Director  
Stowers Institute for Medical Research  
Kansas City, Mo.  
*Dr. Krumlauf studies regulatory pathways patterning the vertebrate brain and body plan in development, disease and evolution.*

**William V. Giannobile, D.D.S., D. Med. Sc.**

Najjar Professor of Dentistry and Director Michigan Center for Oral Health Research  
Associate Professor of Biomedical Engineering  
University of Michigan Clinical Research Center

*Dr. Giannobile is exploring the potential of novel methods of growth factor delivery such as gene therapy to stimulate periodontal tissue repair.*

**Jack L. Ferracane, Ph.D.**

Professor and Chair  
Restorative Dentistry Division  
Director of Biomaterials & Biomechanics  
School of Dentistry Oregon Health & Science University  
*Dr. Ferracane studies the origin and management of contraction stresses associated with composite polymerization.*

**Steven Eppell, Ph.D.**

Associate Professor  
Department of Biomedical Engineering  
Case Western Reserve University  
*Dr. Eppell investigates the biochemical and biomechanical function of bone and cartilage at sub-molecular levels in the development of hierarchical composite replacement materials.*

**Marc W. Heft, D.M.D, Ph.D.**

Professor and Interim Chair  
Oral & Maxillofacial Surgery and Diagnostic Sciences  
Claude D. Pepper Center  
University of Florida  
*Dr. Heft performs clinical pain assessment studies and his research focuses on sensory ageing and geriatric dentistry.*

**Raymond A. Dionne, D.D.S., Ph.D.**

Chief, Pain and Neurosensory Mechanisms Branch, National Institute of Dental and Craniofacial Research  
*Dr. Dionne focuses on clinical studies*

*evaluating novel therapeutic agents and the examination of molecular mechanisms related to pain and analgesia in humans.*

**Alan G. Glaros, Ph.D.**

Associate Dean and Professor  
Kansas City University of Medicine and Biosciences  
*Dr. Glaros conducts basic, behavioral, and translational research in temporomandibular disorders.*

### Speakers from UMKC School of Dentistry

**J. David Eick, Ph.D.**

Curators' Professor  
Chair, Oral Biology  
*Dr. Eick studies adhesive interfaces and low-stress polymer systems.*

**Paulette Spencer, D.D.S., Ph.D.**

Curators' Professor  
Hamilton BG Robinson Professor  
*Dr. Spencer investigates reactions at the interface between biological tissues and synthetic or tissue-engineered replacement materials with the goal of developing new materials.*

**Lynda F. Bonewald, Ph.D.**

Curators' Professor  
Lefkowitz Professor  
Director, Bone Biology Research Program  
*Dr. Bonewald studies bone cell biology, specifically osteocyte function and response to mechanical strain.*

**Jian (Jerry) Feng, M.D., Ph.D.**

Associate Professor  
*Dr. Feng studies the role of dentin matrix protein and bone morphogenetic protein in tooth and bone development.*

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For additional information or reserve your opportunity to participate, contact:

Dr. J. David Eick  
Eickj@umkc.edu or 816-235-2067

or

Dr. Lynda Bonewald  
Bonewaldl@umkc.edu or 816-235-2068

Individuals with speech or hearing impairments may call Relay Missouri at 800-735-2966 (TTY) or 800-735-2466 (voice).

UMKC is an equal opportunity/affirmative action institution.