

Pathways to Excellence (2008-2009)

September 10, 2008

12:00-1:00 p.m. **"Genetic Dissection of Hand Genes in Craniofacial Development"**

Dr. Hiromi Yanagisawa, UT Southwestern Medical Center
Dallas

Focus group meeting: Craniofacial Development

2:00-2:30 **Dr. Bruno Ruest** ("Neural crest cells in craniofacial and heart development")

2:30-3:00 **Dr. Wenli Yu** ("The role of EMT transcription factors in palate development")

3:00-3:30 Discussion and break

3:30-4:00 **Dr. Yao Sun** ("SIBLING proteins in rat condylar cartilage")

4:00-4:30 **Dr. Ying Wang** (Novel molecular insights into human tooth agenesis")

October 8, 2008

12:00-1:00 p.m. **"Mesenchymal Stem Cell-mediated Therapies"**

Dr. Songtao Shi, USC School of Dentistry, Los Angeles

Focus group meeting:

2:00-2:30 **Dr. Phillip Kramer** ("Adult stem cells obtain periodontal cell characteristics")

2:30-3:00 **Dr. Izabela Maciejewska** ("Twist-1 and Runx2: Partners in tooth morphogenesis and differentiation")

3:00-3:30 Discussion and break

3:30-4:00 **Dr. Kerstin Galler** ("Self-assembling peptide hydrogels targeted for dental tissue regeneration")

4:00-4:30 **Dr. Jerry Feng** ("Role of BMPR1A and β -catenin in odontogenesis during development")

November 13, 2008

12:00-1:00 p.m. **"Dendritic Cells in Medicine"**
Dr. Jacques Banchereau, Baylor Institute for Immunology
Research, Dallas

November 19, 2008

12:00-1:00 p.m. **"The Dento-alveolar Complex: A Phosphate Sensitive
Tissue"**
Dr. Martha Somerman, University of Washington School of
Dentistry

Focus group meeting: Tooth and Bone Development

2:00-2:30 **Dr. Ying Wang** ("Pax9 and its partners in tooth development")
2:30-3:00 **Dr. Yao Sun** ("Expression of SIBLING proteins in the rat
condylar cartilage")
3:00-3:30 **Dr. Jay Groppe** ("Structural basis of BMP signaling inhibition")
3:30-4:00 **Dr. Elias Kontogiorgos** ("Reconstruction of mandibular bone
defects using bone transport distraction osteogenesis")
4:00-4:30 **Dr. Rong Zhang** ("Osteocytes and phosphate homeostasis")

February 13, 2008

12:00-1:00 p.m. **"Pain - a TRP Through the Trigeminal System"**

Focus group meeting: Pain and Inflammation Models

10:20-10:40 a.m. **Dr. Jianing He** ("Animal model for pulpal pain")
10:40-11:00 **Dr. Phillip Kramer** ("siRNA for the treatment of TMJ pain")
11:00-11:20 **Dr. Robert Gatchel**, University of Texas at Arlington
("Biopsychosocial evaluation and treatment of chronic pain")
11:20-11:40 **Dr. Jayne Reuben** ("C5a and TMJ inflammatory pain")

January 15, 2009

12:00-1:00 p.m. **"Time-lapse Analysis of Vascular Patterning In Vivo -
Which Cells are Really Moving?"**
Dr. Charles Little, University of Kansas Medical Center, Kansas
City, MO

Focus group meeting: Live Cell Imaging

2:00-2:30 **Dr. Wenli Yu** ("Visualizing murine palatal fusion in vitro")
2:30-3:00 **Dr. Yongbo Lu** ("Time-lapse imaging: From bone to tooth")
3:00-3:30 Discussion

February 9-10, 2009

Focus group meeting I (February 9):

4:00-5:00 p.m. **Dr. Gabriele Mues** ("Genetic control of tooth agenesis")
5:00-6:00 **Dr. Ying Wang** ("Pax genes and tooth development")

Presentation (February 10)

12:00-1:00 p.m. **"The Novel Endocrinology of Bone"**
 Dr. Gerard Karsenty, Columbia University Medical Center

Focus group meeting II:

2:00-3:00 **Dr. Chunlin Qin** ("Post-translation modification of DMP1 and DSPP")
3:00-3:45 **Dr. Bruno Ruest** ("Endothelin-A-receptor and neural crest development: Early jaw patterning")

March 4, 2009

12:00-1:00 p.m. **"Stem Cells and Dental/Facial Regeneration: Interface of Biology and Engineering"**
 Dr. Jeremy Mao, Columbia University College of Dental Medicine

Focus group meeting: Regeneration

2:00-3:00 **Dr. Fei Lu**, Institute for Regenerative Medicine, Scott & White, TAMHSC, Temple, TX ("Wnt/beta-catenin signaling in development and regeneration of oral tissue")

April 15, 2009

12:00-1:00 p.m. **"Genetics and Proteomics of Dental Enamel"**
 Dr. Jan Hu, University of Michigan School of Dentistry

Focus group meeting: Genetics in Craniofacial Tissues

2:00-3:00 **Dr. Wenli Yu** ("Transcription factors in palate development")
2:30-3:00 **Dr. Gabriele Mues** ("Genetic control of tooth agenesis")
3:00-3:30 **Dr. Ying Wang** ("Pax genes and tooth development")
