

Saturday, March 13, 2010

- 7:00-8:00 am** Continental Breakfast
- 8:00-9:30am** Dr. George Huang "Inflammation and Immunoregulation"
- 9:30-10:30 am** Dr. George Huang "Stem Cells and Regenerative Endodontics"
- 10:30-11:00 am** Break
- 11:00-12:30 pm** Dr. Keith Krell "Management of Endodontic Pain"
- 12:30-1:45 pm** Lunch
- 2:00-3:30 pm** Dr. Bradford Johnson "Differential Diagnosis and the Management of the Medically Compromised Patient"
- 3:30-4:00 pm** Break
- 4:00-5:00 pm** Dr. Jeremy Mao "Bone Regeneration"
- Dinner on your own

Sunday, March 14, 2010

- 8:00-9:00 am** Continental Breakfast
- 9:00-10:30 am** Dr. Kenneth Hargreaves "Mechanisms of Pain"
- 10:30-10:45 am** Break
- 10:45-12:15 pm** Dr. Kenneth Hargreaves "Endodontic Pharmacology"

17 CE Hours

COURSE CREDIT: Columbia University of Dental Medicine is an ADA CERP recognized provider. ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors nor does it imply acceptance of credit hours by boards of dentistry. Please contact your local licensing authority for CE credit hour guidelines and regulations.

Sponsor Exhibits will be open during the course. Enjoy visiting them.

"Trauma and Root Resorption"



Dr. Leif Bakland is a 1963 graduate of the School of Dentistry, Loma Linda University. He received his Endodontic degree from Harvard School of Dental Medicine. Dr. Bakland has been involved in education, research, publications and professional organizations for over 40 years. His research and publication interests include endodontics and dental trauma. Dr. Bakland has been active in service to organized dentistry by holding many leadership positions in the AAE, ABE, COD, and the International Association of Dental Trauma. Dr. Bakland has been Associate Editor of the *Journal of Endodontics* and currently serves on the Editorial Board of *Dental Traumatology* and is Co-Editor of *Traumatic Dental Injuries* and Ingle's *Endodontics*.

"Endodontic Pharmacology " "Mechanisms of Pain"



Dr. Kenneth Hargreaves received his D.D.S. degree from Georgetown University in Washington, DC in 1983 and his Ph.D in Physiology from Uniformed Services University of the Health Sciences in Bethesda in 1986. Dr. Hargreaves completed his residency in Endodontics at the University of Minnesota in 1993 and is a Diplomate of the American Board of Endodontics. He is currently Professor and Chair of the Department of Endodontics, and Professor in the Departments of Pharmacology, Physiology and Surgery at the Health Science Center at San Antonio, TX. Dr. Hargreaves is Editor-in-Chief of the *Journal of Endodontics* and has authored numerous articles, abstracts and book chapters. Dr. Hargreaves is Co-Editor of the 9th edition of *Pathways of the Pulp*.

" Tooth Development and Pulp Biology"



Dr. G. Rex Holland is professor of Cariology, Restorative Sciences and Endodontics and Professor, Department of Cell and Development at the Medicine University of Michigan. Dr. Holland received his B.D.S. and Ph.D. from the University of Bristol (U.K.) and a B.Sc. In Physiology also from the University of Bristol. His certificate in Endodontics came from the University of Iowa. He is the Past president Midwest Section, Canadian Association of Dental Research.

Dr. Holland is the Editor-in Chief of *Archives of Oral Biology* and has published over 130 papers and abstracts and has authored or co-authored 9 books or book chapters.

" Inflammation and Immunoregulation" "Stem Cells and Regenerative Endodontics"



Dr. George Huang is Chair and Herbert Schilder Professor in Endodontics and Director of the post-graduate program in Endodontics at Boston University, Henry M. Goldman School of Dental Medicine. He has published close to 100 research articles, book chapters and abstracts including papers in *Tissue Engineering*, *Infection and Immunity*, *Human Gene Therapy* and the *Journal of Endodontics*.

Dr. Huang's current research interest is in the area of stem cells and regenerative medicine.



"Differential Diagnosis and the Management of the Medically Compromised Patient"

Dr. Bradford Johnson received his D.D.S. degree from Virginia Commonwealth University and Endodontic specialty training and a Master of Health Professions Education degree from the University of Illinois. Dr. Johnson is Director of Postdoctoral Endodontics at the University of Illinois in Chicago. He has published clinical and research articles in many scientific journals and is coauthor of the chapters *Periradicular Surgery (Pathways of the Pulp)* and *Management Considerations for the Medically Complex Endodontic Patient* (Ingle's *Endodontics*.) Dr. Johnson has served on the AAE Research and Scientific Affairs Committee and Evidence Based Endodontics Committee. His primary research interests include clinical decision making, dental education, clinical outcomes research and tissue regeneration.

"Management of Endodontic Pain"



Dr. Keith Krell currently maintains a full-time private practice in West Des Moines, IA. He is an adjunct professor at the University of Iowa College of Dentistry. Dr. Krell received his D.D.S. and M.S. degrees from the University of Iowa and an M.A. in sociology-anthropology from the USIU in San Diego, CA. Dr. Krell is on the Scientific Advisory Board of *Journal of Endodontics* and on the editorial board of *Oral Surgery, Oral Medicine, Oral Pathology and Endodontology*. In 1993 after 22 years of service he retired from the United States Army National Guard as a lieutenant colonel. He is a Diplomate of the American Board of Endodontics as well as a past president and past director of the American Board of Endodontics. Dr. Krell is a current trustee and vice-president for the AAE Foundation and a consultant to the College of Diplomates.

"Anatomy and Facial Space Infections"



Dr. Letty Moss Salentijn is the Robinson Professor of Dental Medicine and the Senior Associate Dean for Academic Affairs in the College of Dental Medicine, Columbia University in NY. She earned her D.D.S. and Ph.D. degrees at the University of Utrecht, The Netherlands. Dr. Moss-Salentijn has been a member of the Columbia University faculty since 1968 and focuses her teaching activities in Human Anatomy, Human Development and Oral Histology, Growth and Development. She has pioneered several teaching innovations and has received numerous teaching awards from students and alumni. Her research has focused on growth and development of the cephalic and appendicular skeleton, as well as on the structure of enamel, dentin, pulp and salivary glands. She has co-authored 6 textbooks and has published more than 80 papers and chapters.

"Bone Regeneration"



Dr. Jeremy Mao D.D.S., Ph.D. is currently Professor at Columbia College of Dental Medicine and Director of Craniofacial Regeneration Center at Columbia University Medical Center. Dr. Mao has published over 200 scientific papers, conference proceedings and book chapters in the area of tissue engineering, stem cells and regenerative medicine. He currently serves on the editorial board of many international scientific journals including *Tissue Engineering*, *Stem Cells and Therapeutics*, *Journal of Biomedical Material Research*, *International Journal of Oral and Maxillofacial Surgery*, and *Journal of Endodontics*. Dr. Mao is the editor of a new book entitled *Translational Approaches in Tissue Engineering and Regenerative Medicine* and the upcoming textbook entitled *Principles of Craniofacial Growth and Development*. Dr. Mao is an internationally recognized pioneer in the field of stem cell-based dental, oral and craniofacial regeneration.



"Microbiology of Endodontic Disease"

Dr. Christine Sedgley received her BDS, MDS, MDSc (Endodontics), FRACDS, and MRACDS (Endodontics) in Australia, her PH.D. in Oral Microbiology at the University of Hong Kong and her Advanced Specialty Certificate in Endodontics from the University of Michigan. Dr. Sedgley is Assistant Professor in Endodontics at the University of Michigan. She has published over 50 papers and abstracts, participated in more than 75 continuing education and research presentations and authored the *Microbial Virulence* chapter in the *Endodontic Microbiology* textbook and co-authored the *Endodontic Microbiology* chapter in Ingle's *Endodontics*. Dr. Sedgley is on the editorial board/scientific board of several journals including *Journal of Endodontics*, *International Endodontic Journal* and the *Australian Endodontic Journal*.

College of Diplomates of the American Board of Endodontics

Columbia College of Dental Medicine

Endodontic Board Review and Scientific Update

Lecture Schedule

Friday, March 12, 2010

- 7:00-8:00 am** Continental Breakfast
- 8:00-8:30 am** Welcome and Introductions
Dr. Ira Lamster and Dr. Harold Goodis
- 8:30-10:00 am** Dr. Christine Sedgley "Microbiology of Endodontic Disease"
- 10:00-10:30 am** Dr. Letty Moss-Salentijn "Anatomy and Facial Space Infections"
- 10:30-11:00 am** Break
- 11:00-12:00 pm** Dr. Letty Moss-Salentijn continuation
- 12:00-1:45 pm** Lunch
- 2:00-3:30 pm** Dr. Rex Holland "Tooth Development and Pulp Biology"
- 3:30-4:00 pm** Break
- 4:00-5:00 pm** Dr. Leif Bakland "Trauma and Root Resorption"
- Dinner on your own
- 7:00-9:30** Boardwalk: Dr. Linda Levin, President AAE
COD Sponsored Ice Cream Social