

### “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. In 1994 he worked with Dr. Jens Andreasen in Copenhagen on a World Health Organization fellowship to investigate treatment of intrusive luxations. 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 Traumatology. Dr. Bakland has been Associate Editor of *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*.

### “ Periradicular Surgery and Repair”



**Dr. George A. Bruder, D.M.D.** is Assistant Dean for Education and Information Technologies and Director of Endodontics at Stony Brook University School of Dental Medicine. Dr. Bruder is a Diplomate of the American Board of Endodontics and the Coordinator of Micro-Endodontics and Endodontic Technologies in the Advanced Graduate Program in Endodontics at Harvard School of Dental Medicine. He is also treasurer of the New York State Association of Endodontists and is Associate Editor of the Journal of Endodontics Online. Dr. Bruder has lectured internationally and published numerous articles on Micro-Endodontics and Endodontic technologies and co-authored the chapter on non-surgical Micro-Endodontic Retreatments with Dr. Robert R. White in The *Color Atlas of Endodontics*, by Dr. William Johnson.

### “ 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 University of Michigan. Dr. Holland received his B.D.S. and Ph.D. from the University of Bristol (U.K.) and a B.S.C. in Physiology also from the University of Bristol. His certificate in Endodontics is from the University of Iowa. He is the Past President Mid-West 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.

### “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. He completed his endodontic specialty training at the University of Illinois at Chicago. He has been teaching in the Department of Endodontics since 1991 and became Director of Postdoctoral Endodontics in 1997. In 2005, he received a Master of Health Profession Education degree from the University of Illinois at Chicago. He currently serves on the Scientific Advisory and Manuscript Review Panels of the *Journal of Endodontics*, *Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics* and has served on the AAE Research and Scientific Affairs Committee, Continuing Education Committee and currently serves on the Evidence Based Endodontics Committee (2007-11)

### “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.

### “Bone Regeneration”



**Dr. Jeremy Mao** D.D.S., Ph.D. is Professor and Associate Dean and Director of the Craniofacial Regeneration Center at Columbia University College of Dental Medicine. 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.

### “Anatomy and Facial Space Infections”



**Dr. Letty Moss-Salentijn** is the Robinson Professor of Dental Medicine and Vice Dean for Academic Affairs at the Columbia University College of Dental Medicine 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.

### “Microbiology of Endodontic Disease”



**Dr. Christine Sedgley** received her BDS, MDS, MDSc (Endodontics), FRACDS, and MRACDS (Endodontics) in Australia, her PhD. In Oral Microbiology at the University of Hong Kong and her Advanced Specialty Certificate in Endodontics from the University of Michigan. After arriving in the US, she was an Assistant Professor at the University of Michigan until January 2010 when she joined the Dental School at OHSU. She has published over 50 papers and abstracts, participated in more than 100 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 Associate Editor of the *Journal of Endodontics* and also serves on the AAE Regenerative Endodontics Committee.



#### **"Inflammation"**

**Dr. Philip Stashenko** is President and CEO of Forsythe Institute. He graduated from NYU and received a D.M.D. and a PhD. in Immunology from Harvard University and a certificate in endodontics. A prolific writer, Dr. Stashenko is author of more than 200 scientific publications, book chapters and abstracts in the fields of immunology and bone biology. His work has contributed to a better understanding of the interplay between immune and inflammatory responses and bone metabolism. His research led to the discovery of the B cell marker CD20 whose antibodies are now used in treatment of patients with non-Hodgkins lymphoma. He has served for over a decade as a member of several NIH grant review panels and is currently appointed to the National Advisory Dental and Craniofacial Research Council. Dr. Stashenko has served as Director of Postdoctoral Education at HSDM and is currently a member of the Harvard Clinical and Translational Science Center oversight committee.



#### **"Oral Pathology"**

**Dr. David Zegarelli** is professor and Director of the Oral Pathology Division and Residency Program at Columbia University College of Dental Medicine. He received his dental degree in 1969 from Columbia University. Dr. Zegarelli has published many research reports and literature reviews on clinical-pathologic correlation of oral mucosal disease; and has developed research interests in oral mucosal biopsy techniques.

## **Endodontic Board Review and Scientific Update**

### **Lecture Schedule**

#### **Friday, March 25, 2011**

<b>7:00am-8:00 am</b>	Registration and Breakfast
<b>8:00am-9:45 am</b>	Dr. Christine Sedgley "Microbiology of Endodontic Disease"
<b>9:45am-10:15am</b>	Morning Break
<b>10:15-12:00 noon</b>	Dr. Letty Moss-Salentijn "Anatomy and Facial Space Infections"
<b>Noon-1:00pm</b>	Lunch
<b>1:00pm-2:45pm</b>	Dr. Phil Stashenko "Inflammation"
<b>2:45pm-3:15pm</b>	Afternoon Break
<b>3:15pm-5:00pm</b>	Dr. Leif Bakland "Trauma and Root Resorption"
<b>5:00pm-5:30pm</b>	Questions and Answers
<b>5:30pm-6:30pm</b>	ABE Boardwalk— Dr. Donna Mattscheck, ABE Director
<b>6:30pm-8:00pm</b>	Wine And Cheese Reception

**Saturday, March 26, 2011**

<b>7:00am-8:00 am</b>	Breakfast
<b>8:00am-9:45 am</b>	Dr. Rex Holland "Tooth Development and Pulp Biology"
<b>9:45am-10:15am</b>	Morning Break
<b>10:15am-noon</b>	Dr. David Zegarelli "Oral Pathology"
<b>Noon-1:00pm</b>	Lunch
<b>1:00pm-2:45pm</b>	Dr. Bradford Johnson "Differential Diagnosis and the Management of the Medically Compromised Patient"
<b>2:45pm-3:15 pm</b>	Afternoon Break
<b>3:15pm-5:00pm</b>	Dr. Keith Krell " Management of Endodontic Pain"
<b>5:00pm-5:30pm</b>	Questions and Answer Session

**Sunday, March 27, 2011**

<b>7:00am-8:00am</b>	Breakfast
<b>8:00am-9:45am</b>	Dr. George Bruder "Periradicular Surgery and Repair"
<b>9:45am-10:15am</b>	Morning Break
<b>10:15am– Noon</b>	Dr. Jeremy Mao "Bone Regeneration"

**17 Credit Hours**

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