

New Fellow Brings Promise of New Horizons for Endodontics

"A teacher affects eternity; he can never tell where his influence stops."—Henry B. Adams



Dr. Satish B. Alapati

United States and in Canada.

Dr. Satish B. Alapati, 2009 Fellowship Recipient

Dr. Satish B. Alapati is passionate about academics and science. His goal is to focus his academic and research activities on regenerative endodontics with the hope that his work will contribute new approaches to root canal treatment.

Dr. Alapati will enter the University of Illinois at Chicago's endodontic program in July 2009. He brings an impressive background in teaching, research and dentistry to his studies, having earned a Masters degree in Dental Materials Science and a Ph.D. degree in Oral Biology (biomaterials track) from The Ohio State University. His doctoral dissertation involved engineering materials science on metallurgy of the nickel-titanium alloy for rotary endodontic instruments and captured the attention of

The Endodontic Educator Fellowship Award recognizes residents who wish to pursue a career in education. The funding—full tuition plus a stipend of \$2,500 a month—helps to remove the financial barriers that confront aspiring educators. Since 2001, 14 fellowships have been awarded. Nine recipients are currently teaching in programs across the

the research and development staff at a leading U.S. manufacturer as it suggested directions for improved alloy processing.

Dr. Alapati started his career in dental academia as an assistant professor in the department of materials science at the College of Dental Medicine, Medical University of South Carolina, where he taught both pre- and postdoctoral students. He credits the American Dental Education Association's Institute for Teaching and Learning with helping to ensure that he performs his teaching and leadership responsibilities at the highest level.

Dr. Alapati recently shifted the focus of his research from nickel-titanium rotary instruments to regenerative endodontics. This change in direction aligns with the National Institute of Dental and Craniofacial Research's current priority to fund tissue-engineering studies. In

the fall of 2007, Dr. Alapati received a grant from the AAE Foundation for his project, *A Novel Approach for Isolation and Guided Differentiation of Dental Pulp Side Population (SP) Cells for Regeneration and Mineralization of Periradicular Tissue*. During his residency training, he will continue his research in the area of regenerative endodontics with emphasis on tissue engineering of novel "smart biomaterials," aimed at improving the outcome of root canal treatment.

Dr. Alapati's dedication to science and teaching promises to be a tremendous asset to the specialty in the

future. The Foundation is proud to support his studies.

"Endodontics is a fascinating and challenging speciality that promotes the advancement of treatment protocols to aid the longevity of the natural dentition.

I am thrilled that the AAE Educator Fellowship will lay a path and nurture my quest to excel in dental academia both as an educator and contributor to the speciality of endodontics."

—Satish B. Alapati, B.D.S., M.S., Ph.D.