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Endodontics

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The Potential of Stem Cells as Catalysts for Innovation

Dr. Ruparel is Board certified Endodontist who practices in San Antonio at UT Faculty Endodontics. She is the Director of the Advanced Program in Endodontics at UT San Antonio. She received her clinical certificate in Endodontics in 2013 after receiving her doctoral (PhD) and DDS at The University of Texas Health Science Center at San Antonio. Her practice in Endodontics includes all aspects of modern endodontics. Her current research projects are focused in two broad themes in the area of pain and stem cells: 1) development of novel non-opioid drugs using human tissues and stem cells to treat infection-induced pain using an clinically translational orofacial model of apical periodontitis-induced pain; 2) differential regulation of the trigeminal system in patients suffering from pain induced by apical periodontitis and investigating gender-related differences in patients with post-endodontic pain using human transcriptomic and bioinformatic analysis of human tissue biopsies. She has been funded by Clinical and Translational Science Awards (CTSA) and the NIH.