

Principal Investigator	John C. Huang, DMD, DMedSc
Co-Investigator	
Secondary Investigators	
Award Type	Orthodontic Faculty Development Fellowship
Project Title	Effects of Parathyroid Hormone on RANK-L Gene Expression : <i>Insight Into Regulation of Bone Metabolism</i>
Project Year	2001
Institution	University of California San Francisco Department of Growth and Development Division of Orthodontics Veterans Affairs Medical Center Endocrine Research Unit
Summary/Abstract	Receptor Activator of Nuclear Factor κ B Ligand (RANK-L) is a critical factor for osteoclastogenesis. Assessment of RANK-L gene expression using quantitative real-time polymerase chain reaction techniques have established that parathyroid hormone exerts an upregulation of RANK-L following acute parathyroid hormone treatment.