AAO Foundation Award Final Report

Principal Investigator	Thyagaseely Premaraj
Co-Investigator	
Secondary Investigators	
Award Type	Orthodontic Faculty Development Fellowship Award
Project Title	Cremousing Perenopment removes in private
Project Year	2012
Institution	University of Nebraska Medical Center
Summary/Abstract (250 word maximum)	The award was used to supplement my salary. Activities during the award period: Grant Support obtained: 1. Shift in Species Composition of Supra gingival Microbiome as a
	Risk factor in Dental Caries – a comparative study with braces/ Invisalign® treatment: Principal investigator: T. Premaraj. Funding: Align Tech Inc.®, \$ 25,000.00 for July 2012. 2. Osseointergration of Dental Implants – a comparative study. PI: T. Premaraj; Funding: UNMC college of dentistry summer research grant, \$ 2250.00 for May 2012 3. Bacterial population study of Root Canal Infections: PI: T. Premaraj; Funding: UNMC, seed grant, \$ 5000.00, July 2012.
	Mentorship: Master student thesis advisor 1. MS Medical Sciences Interdepartmental Area, Nima Rohani, DDS, Section of orthodontics, Evaluation of enamel decalcification effects on orthodontic primers with varying filler contents, degree expected 12/2014
	 Master student thesis committee member MS Medical Sciences Interdepartmental Area, Callie Owen, DDS, Section of orthodontics, Simvastin in TMJ disorders, degree expected 12/2013 MS Medical Sciences Interdepartmental Area, Jared Schottger, DDS, section of orthodontics, evaluation of cone beam radiographs in image distortion, degree expected 12/2014
	 Dental student research advisor Amanda Meyer, oral epithelial reaction to Invisalign® plastic- an in vitro study, 7/2012- 1/2013. Tami Luebke, Differential expression of chemokines in PDL cells subjected to mechanical loading, 7/2011- 8/2012

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Teaching: 2011-2012 ORT 576 Ortho concepts Course director
ORT 588 Orthodontic concepts II Course director
ORT 590 Orthodontic lab techniques Course director
PG 844 Cephalometrics Instructor
Dentofacial Clinical Conference Instructor
Critical Review of Current Literature Instructor
Service: 2011-2012
College and University Committees:
 Executive Faculty Committee, College of Dentistry Curriculum Committee, College of dentistry
3. Admission committee, Post-doctoral residency in Orthodontics,
UNMC
yes
Published Abstracts:
1. A. Meyer, S. Premaraj, M. Beatty and T. Premaraj , Oral Epithelial
Cell Response to Orthodontic Plastic - Preliminary Report, J Dent Res.,
91 (Spec Iss B): 366, 2012
2. K. Russell, T. Premaraj , and S. Premaraj, Expression of Chemokines
in Periodontal Tissues during Orthodontic Tooth Movement, J Dent
Res., 91 (Spec Iss B): 641, 2012
3. S. Premaraj, F. Chau and T. Premaraj , Tooth
Extraction/Hypofunction-Induced Changes in Alveolar Osteocyte
Expression of SOST/Sclerostin, J Dent Res., 91 (Spec Iss B): 1617, 2012 N/A
IN/A
I was able to accomplish most of the goals that I have planned for
I was able to accomplish most of the goals that I have planned for 2012-2013 for the academic development. Grant submission,
I was able to accomplish most of the goals that I have planned for 2012-2013 for the academic development. Grant submission, mentoring students in research, teaching activities and service
2012-2013 for the academic development. Grant submission,