



Vieira Lab Newsletter

Lab Meeting Schedule 403 Salk Hall

Tuesday May 22

12pm

Upcoming Events

2012 School of Dental Medicine Spring Research Symposium

When: May 15 9am-12pm

Where: Scaife Hall, University of
Pittsburgh

5th AADR Fall Focused Symposium: Translational Genetics– Advancing Fronts for Craniofacial Health

When: November 16-17, 2012

Where: University of Pittsburgh
Pennsylvania, USA

References

The antimicrobial peptide DEFB1 is associated with caries. Ozturk A, Famipli P, Vieira AR. J Dent Res. 2010 Jun;89(6):631-6.

Genetic variation in myosin 1H contributes to mandibular prognathism. Tassopoulou-Fishell M, Deeley K, Harvey EM, Sciote J, Vieira AR. Am J Orthod Dentofacial Orthop. 2012 Jan;141(1):51-9.

Genetic Susceptibility to Periapical Disease: Conditional Contribution of MMP2 and MMP3 Genes to the Development of Periapical Lesions and Healing Response. Menezes-Silva R, Khaliq S, Deeley K, Letra A, Vieira AR. J Endod. 2012 May; 38(5):604-7.

MMP3 and TIMP1 variants contribute to chronic periodontitis and may be implicated in disease progression. Letra A, Menezes R, Rylands RJ, Silveira EM, Souza AP, Wendell SK, Garlet GP, Vieira AR. J Clin Periodontol [In Press]

Lab News

After 6 years and 3,300 subjects, the School of Dental Medicine Dental Registry and DNA Repository is starting to make concrete contributions to the understanding of etiology of some common dental conditions. It has shown that genes predispose individual susceptibility to caries, periodontal disease, and development of periapical lesions, and has even pointed to possible new mechanisms for class III malocclusion involving muscle related genes (references are listed to the left below). The project has also created many opportunities for faculty and students to work on research and continues to thrive on the contributions from these individuals. Financial support for this project has been provided by the School of Dental Medicine and the Clinical and Translational Science Institute (CTSI).



DRDR Update

Recruitment Summary

Subjects Recruited	3292
Subjects Declined	526
Compliance Rate	86%

Recruitment Location

Module	Count	Module	Count	Module	Count
Module 1	743	Emergency Care	68	UDHS	8
Module 2	1088	Oral Surgery	43	Orthodontics	150
Module 3	413	Pediatric Dentistry	232	Other	73
Module 4	193	Implant Center	15	AEGD	22
Dental Hygiene	202	Prosthodontics	19	Perio	8
Endo	15				