



Vieira Lab Newsletter

Lab Meeting Schedule 403 Salk Hall

Vieira Lab meetings are held monthly on Tuesday from 12:00-1:00

- April 28, 2010**

Presenter: Paige Erwin

Title: Dental Student Awareness about the Dental Registry and DNA Repository

- May 18, 2010**

Upcoming Events

IADR General Session

When: July 14-17, 2010

Where: Barcelona, Spain

Recent Publications

Carvalho FM, Tinoco EM, Deeley K, Duarte PM, Favari M, Marques MR, Mendonça AC, Wang X, Cuenco K, Menezes R, Garlet GP, Vieira AR. FAM5C contributes to aggressive periodontitis. PLoS One. 2010 Apr 7; 5(4): e10053.

Ozturk A, Famili P, Vieira AR. The Antimicrobial Peptide DEFB1 is Associated with Caries. J Dent Res 2010 Apr 6. [Epub ahead of print]

Lab News

A recent online press release details the recent work of Dr. Vieira and collaborators that discovered that certain genetic variations may be linked to tooth decay and aggressive periodontitis (see the article [here](#)). According to the work, published in two separately published papers, the rate of dental caries is influenced by individual variations in the gene beta defensin. The first paper, published in the Journal of Dental Research, used 300 anonymous dental records and respective saliva samples to assign DMFT and DMFS scores. It was discovered that individuals with lower scores generally have fewer cavities. The study utilized samples from the Dental Registry and DNA Repository.

The second paper, published in PLoS One, utilized samples of 389 people to look for genetic links to aggressive periodontitis. An association between the disease and the FAM5C gene was uncovered, though further research is necessary to see how strong this relationship is.

The Dental Tribune also featured an article detailing these findings. This press release can be found [here](#)

Full copies of both articles can be retrieved using the links below.

[FAM5C Contributes to Aggressive Periodontitis](#)

[The Antimicrobial Peptide DEFB1 is Associated with Caries](#)



Recruitment Summary

Subjects Recruited	1932
Subjects Declined	213
Compliance Rate	90%

DRDR Update

Recruitment Location

Module 1	384	Emergency Care	63	UDHS	6
Module 2	695	Oral Surgery	14	Orthodontics	130
Module 3	207	Pediatric Dentistry	91	Other	68
Module 4	103	Implant Center	14	AEGD	18
Dental Hygiene	119	Prosthodontics	8	Perio	5
Endo	7				

