



Lab Meeting

Wednesday, September 12th

Room 371 at 12pm

Upcoming Events

Dr. Alessandra Rastelli's lecture "Antimicrobial Photodynamic Therapy in the Control of Oral Biofilms."

When: September 13th, 12pm

Where: 355 Salk Hall

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

When: November 16-17, 2012

Where: University of Pittsburg, Pennsylvania, USA

Lab News

Amelogenin is a protein found in developing tooth enamel. Developing enamel contains about 30% of protein, 90% of which is amelogenin. The Vieira Lab has shown that genetic variation in amelogenin is associated with caries experience in many different human populations.

To help understand the underlying mechanism that involves amelogenin in caries susceptibility, we will now study mice teeth formed with different levels of amelogenin to see if these differences impact caries susceptibility in the laboratory. This work will be supported by NIDCR through a US\$120,000 supplement to Dr. Vieira's current RO1 award entitled "Genetics of Caries" and collaboration with Dr. Carolyn Gibson at the University of Pennsylvania.



Incisors of a mouse with normal amelogenin levels (left) and those of a mouse with little to no amelogenin (right).

DRDR Update

Recruitment Summary

Subjects Recruited	3434
Subjects Declined	540
Compliance Rate	86%

Recruitment Location

Module	Count	Module	Count	Module	Count
Module 1	801	Emergency Care	68	UDHS	8
Module 2	1121	Oral Surgery	43	Orthodontics	150
Module 3	441	Pediatric Dentistry	232	Other	73
Module 4	201	Implant Center	15	AEGD	22
Dental Hygiene	205	Prosthodontics	23	Perio	8
Endo	23				