



# Vieira Lab Newsletter

## Lab Meeting Schedule 403 Salk Hall

- March 21st, 2008**  
 Children of the Americas  
 Mission Trip: Guatemala  
 Presenter: Steve Tropp
- April 4th, 2008**  
 Heart Score Program  
 Presenter: Adam Perl
- April 18th, 2008**  
 AXIN2 is associated with oral  
 clefts in families presenting  
 high incidence of cancer  
 Presenter:  
 Dr. Renato Menezes

## Upcoming Events

### Spring 2008

#### Journal Club Supported by the Student Research Group (SRG)

The Journal Club will be conducted as an independent study under the direct supervision and guidance of Dr. Modesto.

Meetings are held in 363 Salk Hall (Pediatric Dental Conference) at 12:00pm

- February 25th**  
 The Effectiveness of Sealants in Managing Caries Lesions  
 Presenter: Dr. Alex Vieira
- March 10th**  
 Rehabilitation of Patients with Dental Anomalies  
 Presenters:  
 Steve Barket,  
 Neil Robertson, Brian Shok
- March 24th**  
 Survival Rate of Dental Implants  
 Presenters: Nate Fowler,  
 Sean Quigley

## Lab News

“There is no escape from the conclusion that nature prevails enormously over nurture... My fear is that my evidence proves too much, and may be thus discredited... (because) it seems contrary to all experience that nurture should (count) for so little.”

— Sir Francis Galton, Fellow of the Royal Society, 1876

The question of a possible true genetic predisposition toward dental caries has peaked the minds of dental investigators for decades. The reason for this may be that no previous research study has been able to definitively detect an environmental factor which could explain the differences in caries susceptibility between caries-free individuals and caries-prone individuals. In the latest issue of the *Journal Caries Research*, the Vieira Lab presents evidence that variation in a gene involved in enamel formation (amelogenin) may, in fact, contribute to higher caries susceptibility. To learn more, read the complete information in Deeley K, Letra A, Rose EK, Brandon CA, Resick JM, Marazita ML, Vieira AR. **Possible association of amelogenin to high caries experience in a Guatemalan-Mayan population.** *Caries Res* 2008; 42:8-13.

Please note also that the Vieira Lab has had additional recent publications:

- Carvalho FM, Vieira AR, Tinoco EMB. **Genetics of aggressive periodontitis in Brazilians: Preliminary data in African-Brazilian families.** *Rev Periodontia* 2007; 17: 35-40.
- Vieira AR. **Unraveling human cleft lip and palate research.** *J Dent Res* 2008; 87:119-125.

## DRDR Update

Subjects Recruited	723
Subjects Declined	85
Compliance Rate	89.4%

### Ongoing Projects:

- DSPP and Dentinogenesis Imperfecta  
Dr. Wendell
- PLUNC Levels in Saliva  
Dr. Vieira, Dr. Di
- Digital Lip Prints Feasibility Project  
Dr. Neiswenger
- Oral Health and Systemic Health Connections  
Dr. Vieira

### Recruitment Location

Module 1	119
Module 2	371
Module 3	44
Module 4	37
Oral Hygiene	33
Emergency Care	50
Oral Surgery	14
Pediatric	5
Dentistry	
Implant Center	12
Prosthodontics	4
UDHS	4
Orthodontics	1
Other	29