



# Vieira Lab Newsletter

## Lab Meeting Schedule 403 Salk Hall

**Vieira Lab meetings are held every other Tuesday from 12:30 to 1:30.**

- October 27, 2009**  
 Presenter: Kathleen Deeley  
 Title: New methods for selective isolation of bacterial DNA from human clinical specimens
- November 24, 2009**  
 Presenter: Aditi Jindal  
 Title: Caries prevalence in cleft subjects

## Dr. Modesto's Journal Club

- October 29, 2009**  
 "The effect of calcium hydroxide"  
 Presenter: Rupa Govindarajan
- November 19, 2009**  
 "A comparison of the erosive potential"  
 Presenter: Ida Anjomshoaa
- December 3, 2009**  
 "The effectiveness of sealants"  
 Presenter: Jennifer Senge

## Upcoming Events

**Science Café**  
 Where: Fuel and Fuddle  
 When: November 13, 3:30pm

## Recent Publications

Anjomshoaa I, Cooper ME, Vieira AR. Caries is Associated with Asthma and Epilepsy. Eur J Dent. 2009 Oct;3(4):297-303.

## Lab News

Dr. Vieira was awarded \$1,250,000 in five years to continue his studies that aim to identify the underlying genetic variation that contributes to caries. Although preventable, caries remains the most common chronic disease of childhood in the US, five times more common than asthma. The current strategies such as fluoridation of drinking water and other fluoridated products, school targeted programs, and sealants, although potentially efficient, are clearly not enough to further decrease caries prevalence. Pittsburgh, despite having fluoridated water since 1953, remains with the highest rates of caries in the state and one of the highest in the country. With this project, Dr. Vieira is approaching the problem in an innovative way and the hope is that the identification of how genetics modulates caries will lead to new insight into the disease and original ways to try to control it.



This month is marked by the first publication of original work done utilizing the resources of the Dental Registry and DNA Repository. Dr. Vieira, and co-authors Ida Anjomshoaa (class of 2011) and Meg Cooper (Research Assistant Professor of Oral Biology), using clinical data deposited in the DRDR, showed that high caries experience is associated with asthma and epilepsy. This paper is a clear demonstration that the DRDR can be a valuable resource for investigators in the School of Dental Medicine.

[Caries is Associated with Asthma and Epilepsy](#). Anjomshoaa I, Cooper ME, Vieira AR. Eur J Dent. 2009 Oct;3(4):297-303.



Ida Anjomshoaa

## DRDR Update

### Recruitment Location

<b>Module 1</b>	300	<b>Emergency Care</b>	62	<b>UDHS</b>	6
<b>Module 2</b>	593	<b>Oral Surgery</b>	14	<b>Orthodontics</b>	104
<b>Module 3</b>	139	<b>Pediatric Dentistry</b>	68	<b>Other</b>	64
<b>Module 4</b>	76	<b>Implant Center</b>	14	<b>AEGD</b>	18
<b>Dental Hygiene</b>	103	<b>Prosthodontics</b>	8	<b>Perio</b>	5
<b>Endo</b>	7				

### Recruitment Summary

<b>Subjects Recruited</b>	1581
<b>Subjects Declined</b>	146
<b>Compliance Rate</b>	91%