

Vieira Lab Newsletter

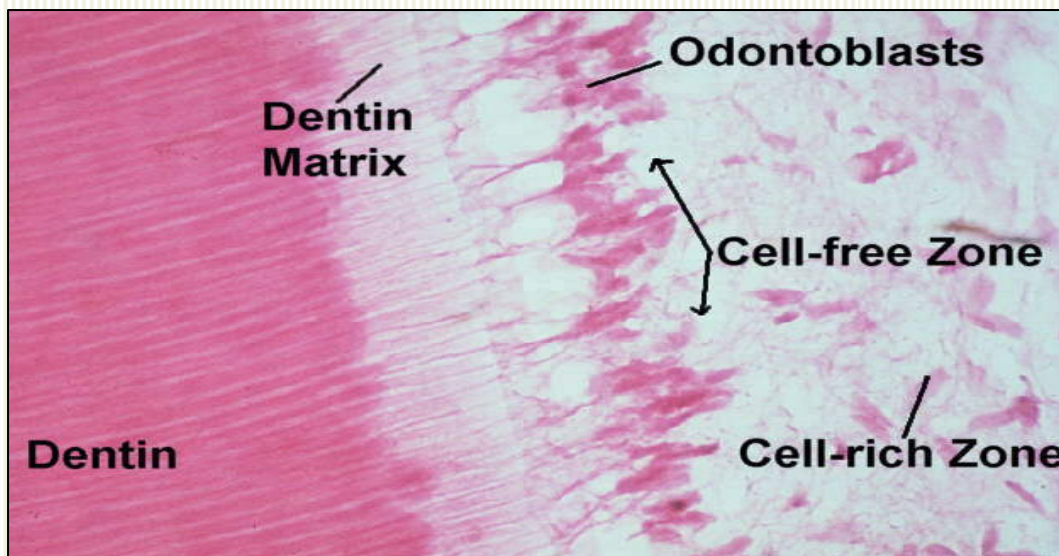


Lab Meeting Schedule

- **When: March 16, 2007, 12:30**
Where: 403 Salk
Topic: Genetics of Caries in Turkey
Presenter: Asli Patir
- **When: March 30, 2007 12:30**
Where: 403 Salk
Topic: Update on IADR Meeting
Presenter: Alexandre R. Vieira

Upcoming Events

- **When: March 1, 2007**
Where: Salk 458
Topic: "The Use of Quantitative Light Fluorescence (QLF) in the Diagnosis of Early Enamel Demineralization"
Presenter: Dr. Kevin Donly
- **When: March 14, 2007**
Where: Salk 363
Topic: Fluoride release of three different polyacid-modified composite compomer resin materials
Presenter: Asli Patir
- **When: March 22, 2007**
Where: IADR/AADR Ernest N. Morial Convention Center New Orleans, LA
Topic: Oral health assessment in the U.S. within 150 years
Presenter: Erin Rose
- **When: March 22, 2007**
Where: IADR/AADR Ernest N. Morial Convention Center, New Orleans, LA
Topic: Dental Anomalies are an extended phenotype of orofacial clefts
Presenter: Alexandre R. Vieira
- **When: March 23, 2007**
Where: IADR/AADR Ernest N. Memorial Convention Center, New Orleans, LA
Topic: Further Evidence on the Association between TGFA and Tooth Agnesis
Presenter: Nicholas Callahan



During tooth development, DSPP is expressed by the odontoblasts

Lab News

The DSPP gene provides instructions for making a protein called dentin sialophosphoprotein. Mutations in this gene cause dentinogenesis imperfecta types II and III. In a report of a family with members with several distinct dental anomalies, such as dentinal dysplasia type I, tooth agenesis, and supernumerary teeth; we are describing a mutation in DSPP in an asymptomatic 2-year-old child, which illustrates the ethical pitfalls of interpreting molecular data for genetic counseling of young and/or asymptomatic individuals. This paper reference is Pardo RA, Castillo S, Vieira AR. Genetic studies of a Chilean family with three different dental anomalies. *Rev méd Chile* 134:1541-1548.

Dental Registry and DNA Repository News

Currently in its fifth month of active recruitment, the Dental Registry and DNA Repository (DRDR) has a total of 243 subjects who have donated a saliva sample as well as the use of their clinical chart information for future dental research investigations. With only 37 individuals declining to participate, the positive compliance rate for participation remains very encouraging.

The American Dental Association also featured a comprehensive article on the DRDR, highlighting its current activities as well as the uniqueness of its design which eliminates the need for future IRB approvals for investigators who use the DRDR as a resource. The full article, by Jennifer Garvin, can be found at the following link: http://www.dental.pitt.edu/vieira_lab/vieira%20ada.pdf

The DRDR continues to concentrate on expansion into additional clinics within the School of Dental Medicine with a particular focus on the Module Clinics, the Urgent Care Clinic and Oral Hygiene. We would like to thank the faculty and staff in each of these three clinics for their invaluable support!

If you would like to become involved or to learn more about the DRDR, please contact Jill Schaefer at 412.383.5944 or at jss73@dental.pitt.edu