Vieira Lab Newsletter

January 30, 2013
Volume 7, Issue 6

Lab Meeting

Tuesday, February 12th
371 Salk Hall at 12pm

Upcoming Events

Dr. Vieira's talk at the Human Genetics Seminar:
"Decompartmentalizing the Mouth: Oral Status Impact on Overall Health"
When: February 1st at noon
Where: A115 Crabtree Hall

4th Pre-AADR Pittsburgh Section and Student Research Award Competition
When: March 8 at 4:30pm
Where: 458 Salk Hall

Recent Publications

Genome-wide association Scan of dental caries in the permanent dentition. Wang X, Shaffer JR, Zeng Z, Begum F, Vieira AR, Noel J, Anjomshoaa I, Cuenco KT, Lee MK, Beck J, Boerwinkle E, Cornelis MC, Hu FB, Crosslin DR, Laurie CC, Nelson SC, Doheny KF, Pugh EW, Polk DE, Weyant RJ, Crout R, McNeil DW, Weeks DE, Feingold E, Marazita ML. BMC Oral Health. 2012 Dec 21;12(1):57. [Epub ahead of print]

Genetics and caries: prospects. Vieira AR. Braz Oral Res. 2012;26 Suppl 1:7-9.

Student Rotations

3rd-Year dental students are participating in an inter-professional experience as part of their rotations. Students shadow doctors at the UPMC Digestive Disease Center and offer dental evaluations to patients at the DDC. Studies have suggested that periodontal disease is connected to various systemic diseases, such as irritable bowel disease. This rotation aims to give the students experience to working with physicians and nurses in a hospital setting.

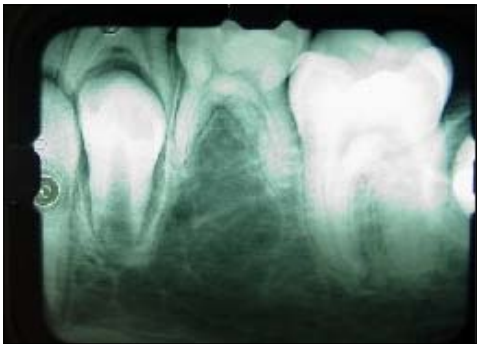
Recruitment Summary

Affected by Digestive Disease	20
Not Affected by Digestive Disease	19

Lab News

It has been proposed that tooth agenesis and cancer development share common molecular pathways. Members of the Vieira Lab performed a cross-sectional study to investigate the epidemiological and molecular association between tooth agenesis and self-reported family history of cancer. The role of genes involved in dental development that have been implicated in tumorigenesis were also investigated.

Individuals with tooth agenesis had an increased risk of having a family history of cancer. Individuals who carried a DNA variant in FGFR2 presented higher risk for having premolar agenesis.



The article that resulted from this study, *Tooth Agenesis Association with Self-reported Family History of Cancer* (PubMed), was published in the Journal of Dental Research and featured on MDLinx.com.

DRDR Update

Recruitment Summary

Subjects Recruited	3833
Subjects Declined	570
Compliance Rate	87%

Recruitment Location

Module 1	948	**Emergency Care**	68	**UDHS**	8
Module 2	1270	**Oral Surgery**	43	**Orthodontics**	150
Module 3	469	**Pediatric Dentistry**	246	**Other**	73
Module 4	222	**Implant Center**	15	**AEGD**	22
Dental Hygiene	229	**Prosthodontics**	31	**Perio**	13
Endo	26				

For newsletter questions, comments or suggestions please e-mail Sarah Vinski at SEV52@pitt.edu