



Vieira Lab Newsletter



Lab News



Through my genetics class with Dr. Vieira in dental school, I learned that a number of genes may be associated with caries susceptibility. After my first research project which looked at if specific systemic conditions increased caries experience in the patients from the Dental Registry and DNA Repository, I thought that genes that regulate salivation may contribute to caries. Aquaporin (AQP)-5 is one of those, and since when this gene is knocked out in mice causes the saliva to be extra viscous, I suggested to Dr. Vieira that this gene could be studied in our human populations and he decided to make this a focus of study. After my initial experiments, this project took many directions and all the data are compiled in our

recent publication ***Aquaporin 5 Interacts with Fluoride and Possibly Protects Against Caries.*** <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0143068>

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Upcoming Events

Vieira Lab Meeting

Wednesday, January 13
10:00-11:00 a.m. 403 Salk Hall

DRDR Meeting

Wednesday, January 20
8:00-9:30 a.m. 403 Salk Hall

7th Annual Pre-AADR

Tuesday, February 23
4:30-7:30 p.m. 458 Salk Hall

Year of the Humanities: Ethical Implications of Genomics in the Lives of Everyday People.

Wednesday, March 2, 2016
5:00-8:00 p.m.
O'Hara Student Center, 1st
Floor

DRDR Update

*Tables show running totals of
patient recruitment*

Recruitment Summary

Subjects Recruited	5214
Subjects Declined	1024
Compliance Rate	84%

Subject Recruitment Location

Module 1	1377	Emergency Care	68	UDHS	8
Module 2	1662	Oral Surgery	44	Orthodontics	176
Module 3	611	Pediatric Dentistry	306	Other	105
Module 4	319	Implant Center	15	AEGD	22
Dental Hygiene	335	Prosthodontics	67	Perio	30
Endo	69	Affected by Digestive Disease	57	Not Affected by Digestive Disease	90