



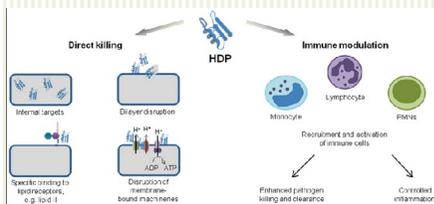
Vieira Lab Newsletter

Lab News

Defensins form a family of microbicidal and cytotoxic peptides made by neutrophils. The beta defensin gene encodes an antimicrobial peptide implicated in the resistance of epithelial surfaces to microbial colonization. Earlier, the Vieira Lab showed beta defensin is associated with high caries experience. This worked was expanded in the recent publication **Genetic variation in the promoter region of beta-defensin 1 (DEFB 1) is associated with high caries experience in children born with cleft lip and palate**, which shows that this effect is particularly true in children born with cleft lip and palate. The publication was featured at MDLinx (<http://www.mdlinx.com/dentistry/news-article.cfm/5164649/dental-caries>) and can be found at PubMed.

(Genetic variation in the promoter region of beta-defensin 1 (DEFB 1) is associated with high caries experience in children born with cleft lip and palate. <<http://www.ncbi.nlm.nih.gov/pubmed/23964634>> Krasone K, Lacey B, Akota I, Carey R, Deeley K, Kuechler EC, Vieira AR. Acta Odontol Scand. 2014 Apr;72(3):235-40. doi: 10.3109/00016357.2013.822549. Epub 2013 Aug 22. PMID: 23964634)

Host defensin peptide functions



Upcoming Events

**University of Pittsburgh
School of Dental Medicine
Research Symposium**

When: May 14, 2014

Time: 8:30AM-12PM

Where: Scaife Auditorium 6

Recent Publications

Fine mapping of locus Xq25.1-27-2 for a low caries experience phenotype. Kuechler EC, Feng P, Deeley K, Fitzgerald CA, Meyer C, Gorbunov A, Bezamat M, Reis MF, Noel J, Kouzbari MZ, Granjeiro JM, Antunes LS, Antunes LA, Abreu FV, Costa MC, Tannure PN, Seymen F, Koruyucu M, Patir A, Vieira AR. Arch Oral Biol. 2014 Feb 23;59(5):479-486

Caries Experience and Overall Health Status. Johnston L, Vieira AR. Oral Health Prev Dent. 2014 Mar 11

DRDR Update

Tables show running totals of patient recruitment

Recruitment Summary

Subjects Recruited	4391
Subjects Declined	701
Compliance Rate	86%

Subject Recruitment Location

Module 1	1115	Emergency Care	68	UDHS	8
Module 2	1452	Oral Surgery	43	Orthodontics	150
Module 3	529	Pediatric Dentistry	257	Other	87
Module 4	246	Implant Center	15	AEGD	22
Dental Hygiene	277	Prosthodontics	47	Perio	17
Endo	58	Affected by Digestive Disease	51	Not Affected by Digestive Disease	56