



## Lab Meeting

**Tuesday, May 7th**  
403 Salk Hall at 10:30am

## Recent Publications

**Candidate gene studies in hypodontia suggest role for FGF3.** Vieira AR, D'Souza RN, Mues G, Deeley K, Hsin HY, Küchler EC, Meira R, Patir A, Tannure PN, Lips A, Costa MC, Granjeiro JM, Seymen F, Modesto A. Eur Arch Paediatr Dent. 2013 Apr 3.

## Student Rotations

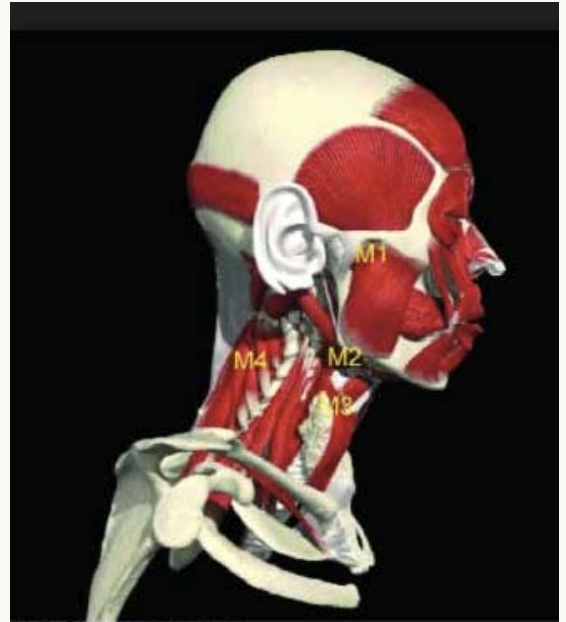
3rd-Year dental students are participating in an inter-professional experience as part of their rotations. Students shadow doctors at the UPMC Digestive Disease Center and offer dental evaluations to patients at the DDC. Studies have suggested that periodontal disease is connected to various systemic 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

<b>Affected by Digestive Disease</b>	36
<b>Not Affected by Digestive Disease</b>	33

## Lab News

Our previous work showed that MYO1H and mandibular prognathism are associated. MYO1H is a class I myosin that is in a different protein group than the myosin isoforms of muscle sarcomeres, which are the basis of skeletal muscle fiber typing. Class I myosins are necessary for cell motility, phagocytosis, and vesicle transport. The possible role of a class I myosin is intriguing since it would suggest that muscle function may have a more important role than previous thought in the development and deviations of the bone structures of the craniofacial complex. NIDCR has awarded Dr. Vieira and Dr. James Sciote at Temple University an R21 award to continue and expand this work.



To read the original paper that gave origin to this new line of investigation, click here:

[Genetic variation in myosin 1H contributes to mandibular prognathism. Tassopoulou-Fishell M, Deeley K, Harvey EM, Sciote J, Vieira AR. Am J Orthod Dentofacial Orthop. 2012 Jan;141\(1\):51-9.](#)

## DRDR Update

### Recruitment Summary

<b>Subjects Recruited</b>	3980
<b>Subjects Declined</b>	585
<b>Compliance Rate</b>	87%

### Recruitment Location

<b>Module 1</b>	997	<b>Emergency Care</b>	68	<b>UDHS</b>	8
<b>Module 2</b>	1321	<b>Oral Surgery</b>	43	<b>Orthodontics</b>	150
<b>Module 3</b>	478	<b>Pediatric Dentistry</b>	254	<b>Other</b>	77
<b>Module 4</b>	229	<b>Implant Center</b>	15	<b>AEGD</b>	22
<b>Dental Hygiene</b>	247	<b>Prosthodontics</b>	32	<b>Perio</b>	13
<b>Endo</b>	26				