



## Lab Meeting

**Tuesday, April 9th**  
403 Salk Hall at 11am

## Student Rotations

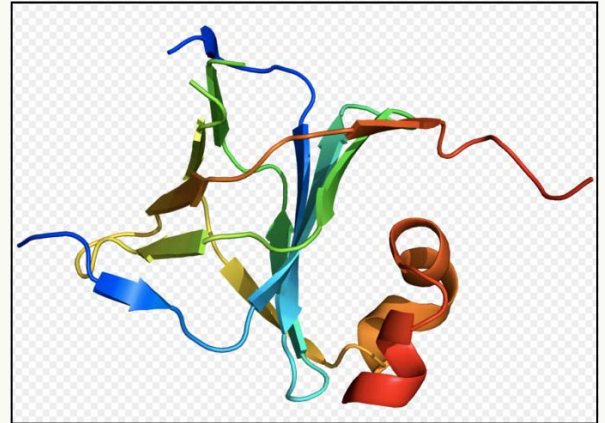
3rd-Year dental students are participating in an inter-professional experience as part of their rotations. Students shadow doctors at the UPMC Digestive Disease Center and offer dental evaluations to patients at the DDC. Studies have suggested that periodontal disease is connected to various systemic 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>	31
<b>Not Affected by Digestive Disease</b>	31

## Lab News

A previous genome-wide linkage scan performed in the Vieira Lab has identified the interval 5q12.1–5q13.3 as linked to low caries susceptibility in Filipino families. Recently, members of the lab fine-mapped this region in order to identify genetic contributors to caries susceptibility. The results suggest that transcription factor BTF3 may have a functional role in protecting against caries.



A model of the BTF3 protein.

The Vieira Lab is currently working to fine-map other regions of interest from this genome-wide scan.

The article that resulted from this study, “Fine-Mapping of 5q12.1-13.3 Unveils New Genetic Contributors to Caries” ([PubMed](#)), was published in *Caries Research* and was featured on [MDLinx.com](#).

## DRDR Update

### Recruitment Summary

<b>Subjects Recruited</b>	3926
<b>Subjects Declined</b>	577
<b>Compliance Rate</b>	87%

### Recruitment Location

<b>Module 1</b>	981	<b>Emergency Care</b>	68	<b>UDHS</b>	8
<b>Module 2</b>	1298	<b>Oral Surgery</b>	43	<b>Orthodontics</b>	150
<b>Module 3</b>	471	<b>Pediatric Dentistry</b>	254	<b>Other</b>	77
<b>Module 4</b>	228	<b>Implant Center</b>	15	<b>AEGD</b>	22
<b>Dental Hygiene</b>	241	<b>Prosthodontics</b>	31	<b>Perio</b>	13
<b>Endo</b>	26				