Research Science Institute 2015

Massachusetts Institute of Technology
Center for Excellence in Education

Luana Ferreira e Matheus Batinga

Instituto Federal de Alagoas
Campus Maceió

Preparação, Desafios e Conquistas
7 de Agosto de 2015

Outline

O Programa

MIT Campus
- Maseeh Hall
- Student Center
- Athena Cluster
- Campus Map

Equipe do RSI

Pesquisa
- Matheus
- Luana

Eventos e Atividades

Agradecimentos

O Programa

Parceria entre o CEE e o MIT

- 84 estudantes de 15 países;
- Primeira participacao de brasileiros.

6 semanas

- Mentores, tutores, counselors;
- Pesquisa: Química, Biologia, Física, Matemática e Ciência da Computação.

MIT

Massachusetts Institute of Technology

Maseeh Hall

W20 - Stratton Student Center

Athena Clusters

Mapa do Campus

Equipe do RSI

Equipe do RSI

Counselor da Luana: Yerin Kim

Counselor do Matheus: Claudia Huang

Diretor do Programa: Dr. Andrew Charman

Dr. Jenny Sendova

Outros

- Mr. Alec Lai (Diretor Assistente)
- Mr. Edward Vargas (Tutor - Luana)
- Mr. David Levonian (Tutor - Matheus)

Pesquisa

Pesquisa

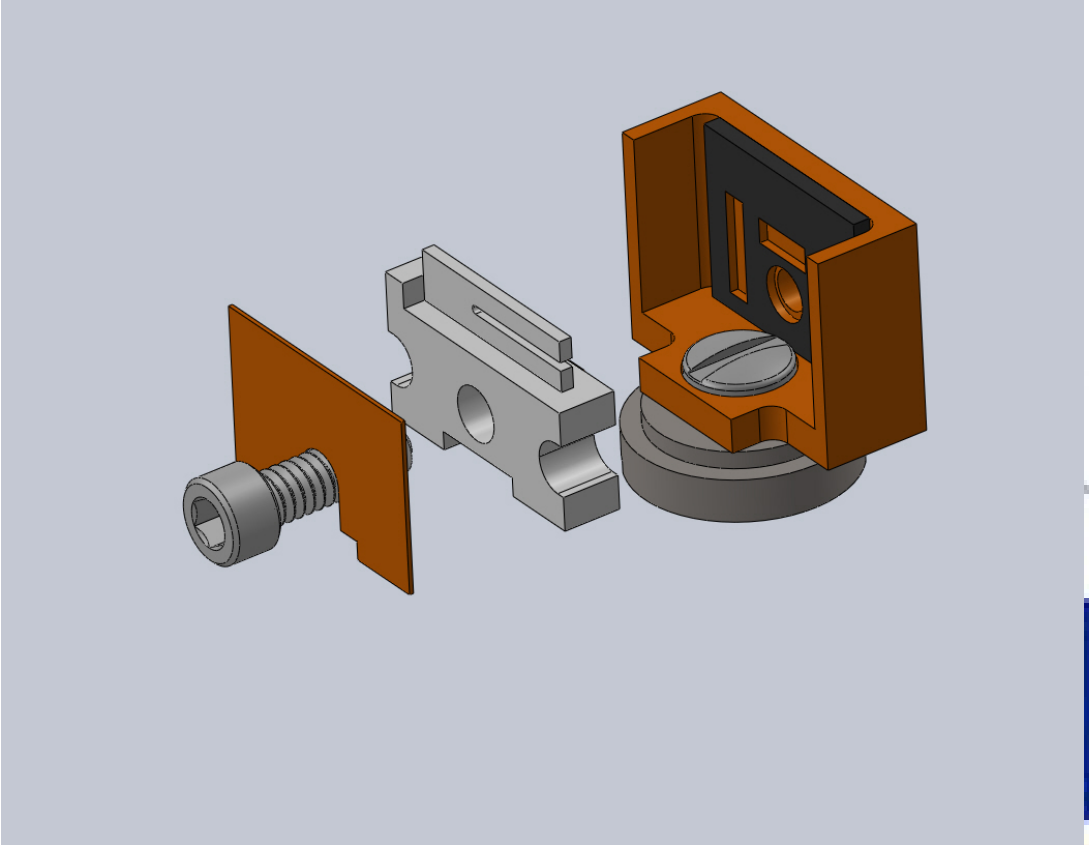
M. Batinga - Departamento de Física de:

HARVARD UNIVERSITY

Sob orientação de: Sr. Eddie Ji

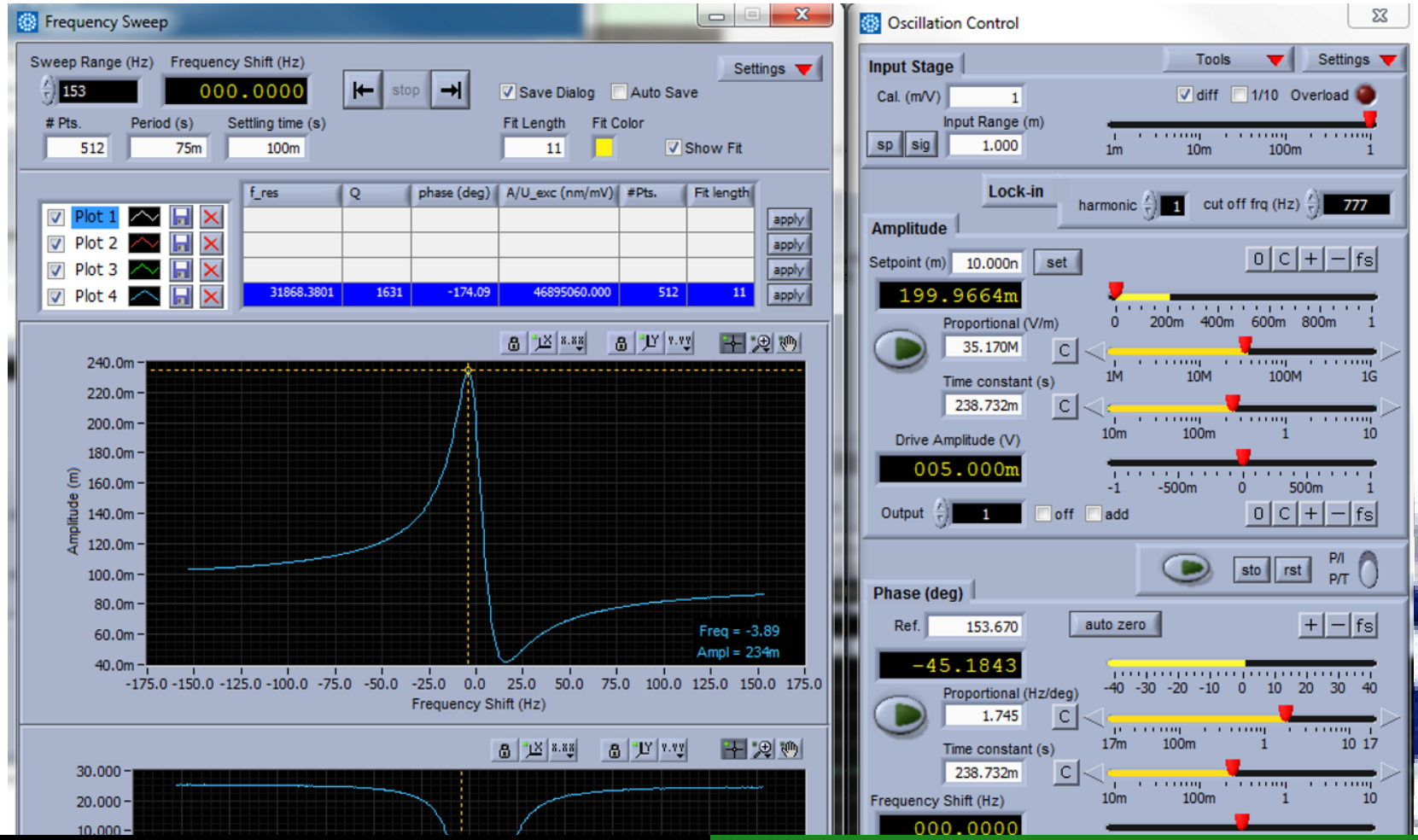
Projeto

"Designing a tuning fork holder for dual scanning tunneling microscopy and atomic force microscopy."

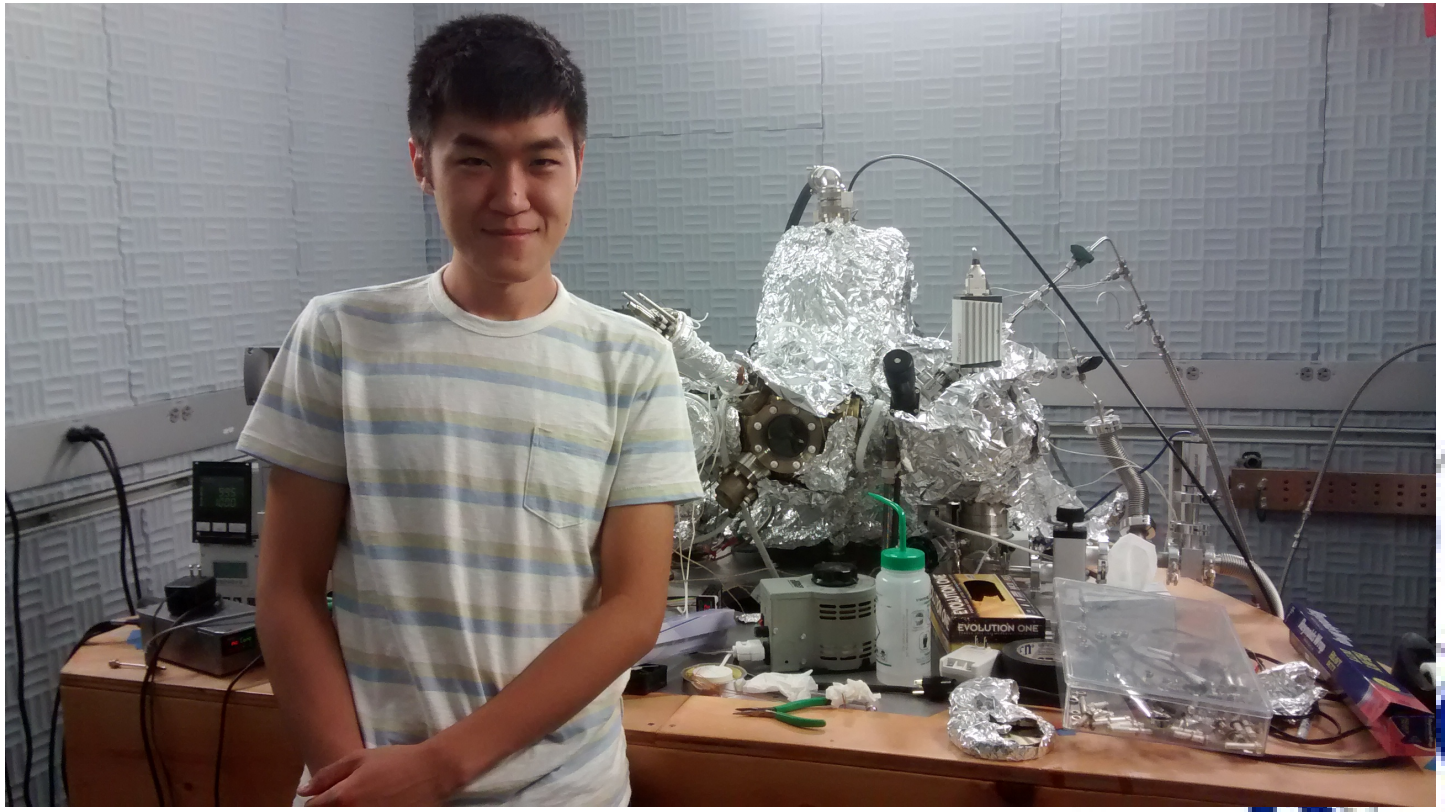


Projeto

Medicoes e fator Q.



Mentor: Sr. Eddie Ji



L. Ferreira - Departamento de Física

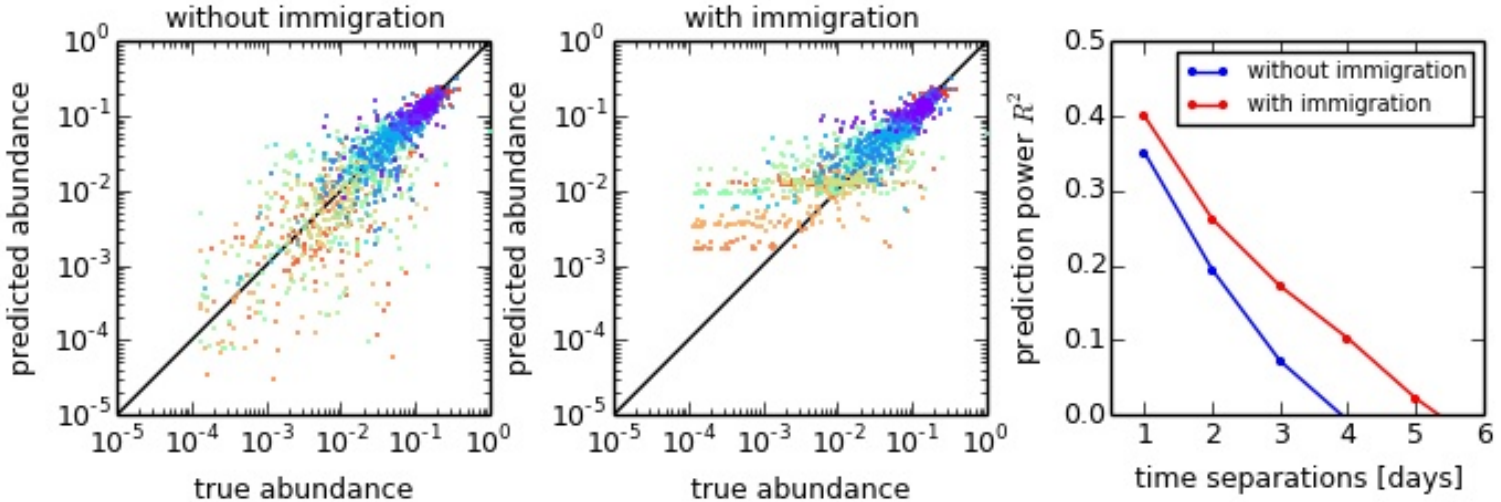
BOSTON UNIVERSITY

Life Science and Engineering Building
Sob orientação de:
Professor Kirill Korolev
e Dr. Feng Wang

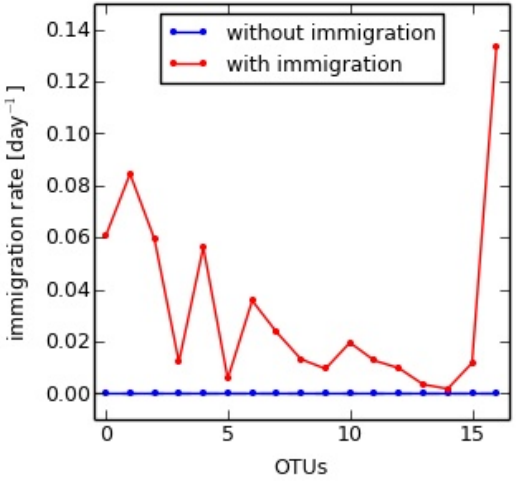
RSI

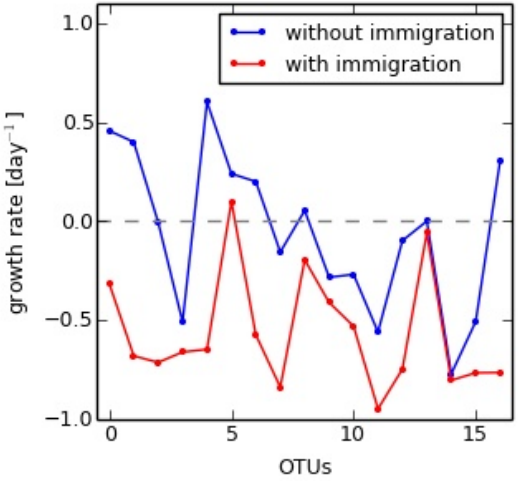
Projeto

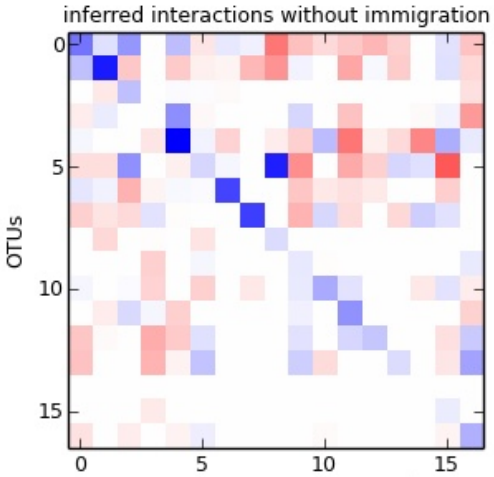
"Predictive modeling and parameter inference of gut microbial community from time-series data".

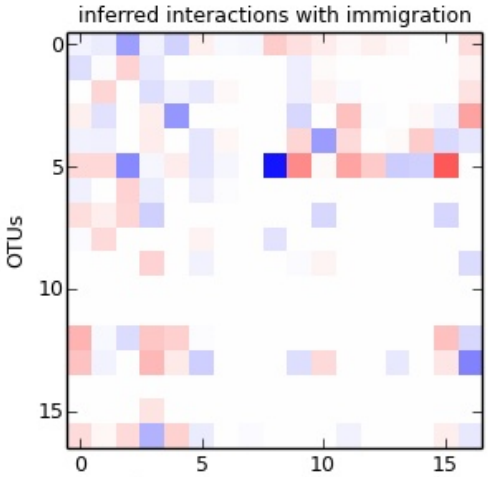


Projeto

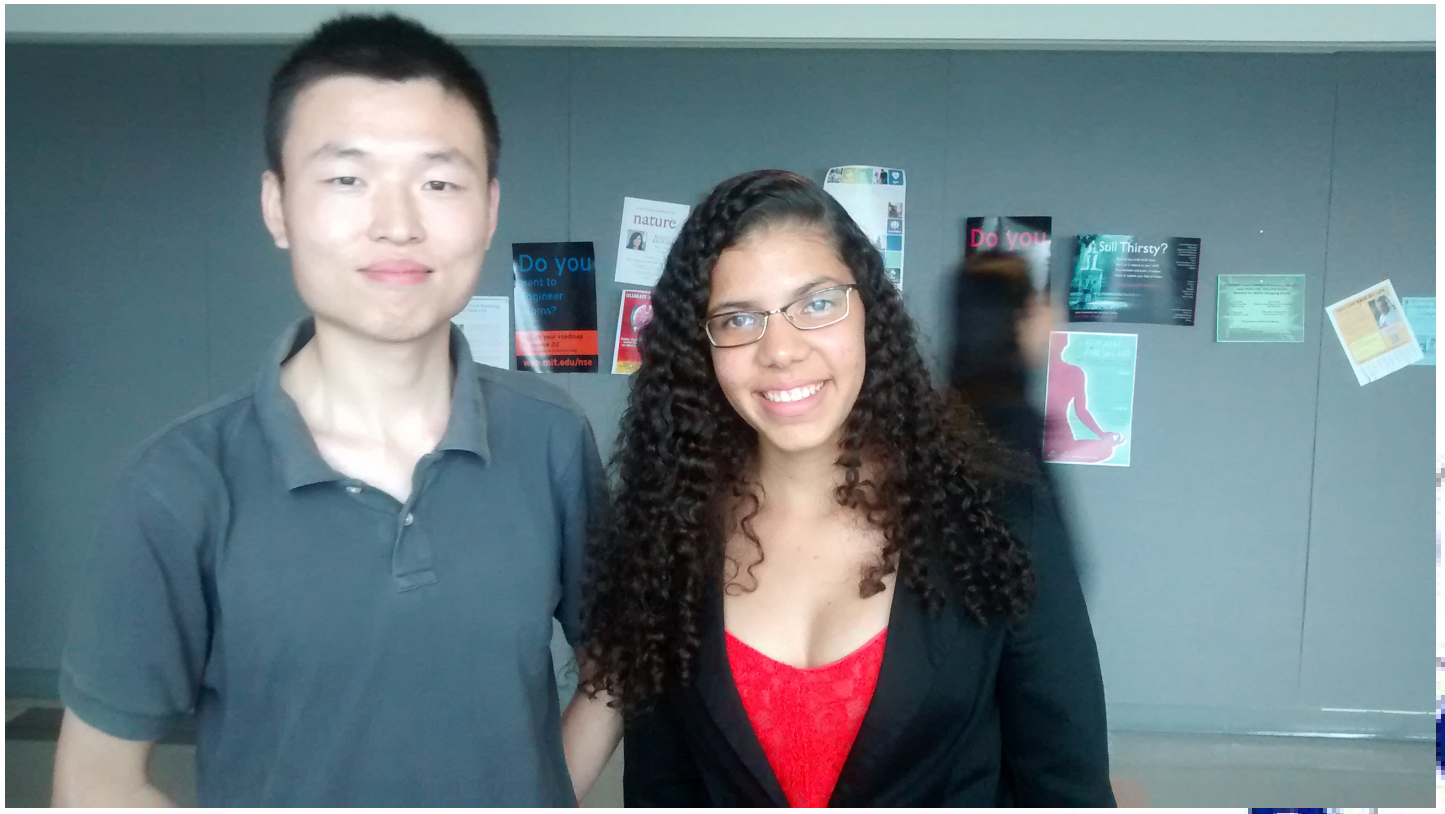

without immigration
with immigration
immigration rate [day^{-1}]
OTUs


without immigration
with immigration
growth rate [day^{-1}]
OTUs


inferred interactions without immigration
OTUs


inferred interactions with immigration
OTUs

Dr. Feng Wang



Eventos e Atividades

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4th of July

Palestras

Harbor Islands

Concerto da Orquestra Mercury

Noite dos ex-alunos

Show de Talentos

Nobel Laureates: Wolfgang Ketterle (Nobel em Fisica)

Nobel Laureates: Phillip Sharp (Nobel em Medicina)

MIT Admissions Talk

College Night

Akamai

Outras atividades extracurriculares

- Promys Game (Jogo de Frisbee)
- Dance Party (Festa de Dança)
- Tie-Dye
- Guest lecturer dinners (Jantar com os palestrantes)
- Wacky Olympiads (Gincana entre Counselor's Groups)
- Dinner Trips (Passeio para Jantar)

Agradecimentos

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Gostariamos de agradecer a(o):

- Magnífico Reitor Sérgio Teixeira
- Professor Carlos Argolo
- Professora Magda Zanotto
- Ministério da Educação
- Direção Campus Maceió
- Laboratorio de Física - Campus Maceió
- Monitoria de Matemática - Campus Maceió