

Undergraduate Research Program

Program Overview & Description

Greetings! The Craniofacial Orthopedic Biomaterials Research Analysis lab at NYU invite you to apply for a position as an undergraduate research associate. The NYU School of Medicine and NYU College of Dentistry collaborate to study tissue engineering through biomaterial applications in order to advance bone regeneration. This is an exciting volunteer program intended for pre-med/dental students that have achieved academic excellence and wish to develop a strong research background.

This program is intended to provide undergraduate students the opportunity to participate in a premier research experience offered at the one of the largest translational surgical laboratories in the country. Students will conduct cutting-edge translational research in the fields of bone healing/regeneration through endosteal metallic implant and bioactive scaffold work, through technologies including, but not limited to: 3D printing, microCT imaging, nano-indentation, and histological analysis software.

The duration of this program is one academic year. Students will be expected to function at the level of research associate, contribute extensively to experiments, attend laboratory meetings, and give a research presentation prior to culmination of the research year. Students are expected to commit to at least 15 hours/week.

Application Requirements

- Applicants must provide:
 - o Completed application form
 - o One-page personal statement discussing: what made you the person you are today?
 - o One letter of recommendation from a science faculty member
 - o Curriculum vitae
 - o School transcript (unofficial transcript is acceptable)

All components of the application must be submitted by **April 28th, 2017 at 11:59 PM**. Applications will be reviewed by the program coordinator, lab director, and Principal Investigator, and based on this review, students will be invited for an interview.

Applications should be sent via email to Christopher D. Lopez as one file/folder (i.e. zip file). Letters of recommendation should be emailed directly to the same email address.

Contact Information:

Christopher D. Lopez, BA

Program Coordinator

NIH Research Fellow, Craniofacial Orthopedic Biomaterials Research Analysis lab at NYU

MD Candidate, Icahn School of Medicine at Mount Sinai

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Lukasz Witek, MSci, PhD

Post-Doctoral Research Associate

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Paulo G. Coelho, DDS, PhD

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Biomaterials and Biomimetics, NYU School of Dentistry

Hansjörg Wyss Department of Plastic Surgery, NYU Langone Medical Center

Pgcoelho@nyu.edu

Application for Undergraduate Research Experience

DUE DATE: APRIL 28TH, 2017 at 11:59PM

Student Data

Name: _____ Gender (circle): F M
Last First M.I.

Address: _____
Street City/State/Zip code

Phone: (____) ____ - ____ Email: _____ DOB: _____

Undergraduate Institution: _____

Date of Expected Graduation: _____ (Month, Year) Expected Degree: ____ (e.g. BA, BS)

Race/Ethnicity:

- Caucasian
- African American
- Hispanic or Latino
- Asian
- Native American
- Other _____

Anticipated MCAT/DAT Test Date

MCAT/DAT Score (if applicable)

Which type graduate program do you intend to matriculate into? (e.g. medical school, dental school, PhD program) _____

Supplementary Application Checklist

In addition to completing this application form, please submit the following items:

- † Personal statement discussing given prompt: what made you the person you are today?
- † One letter of recommendation from a science faculty member
- † Curriculum vitae
- † School transcript