Imaani Easthausen

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EDUCATION

Columbia University Mailman School of Public Health, New York, NY
Master of Science in Biostatistics — May 2019
Honors: National Institute of Health (NIH) research grant award, Institutional Merit Award

Bard College, Annandale, NY — May 2015
Bachelor of Arts in Biology with a focus in Mathematics
Honors: Distinguished Scientist Scholar
Senior thesis: Songbirds and Their Sunglasses – A Study Demonstrating Avian Attraction to Highly Polarizing Horizontal Surfaces

PROGRAMMING LANGUAGES AND SOFTWARE

Languages: R, SAS, SQL, Python

- Experienced with writing complex functions, algorithms, and simulations in R, SAS & Python
- Experienced with database design and complex data queries in SQL

RELEVANT COURSEWORK

- BIST 9120 Statistical Learning and Data Mining
- BIST 8108 Survival Analysis
- BIST 8116 Design of Medical Experiments
- BIST 6110 Statistical Computing with SAS
- BIST 8180 Relational Databases and SQL Programming

SKILLS

- Machine learning, prediction modeling, and modern statistical techniques
- Longitudinal data analysis and survival analysis
- Probability and statistical theory
- Scientific writing and critical thinking

RESEARCH EXPERIENCE

Columbia University Medical Center, New York, NY
Graduate Research Assistant — September 2017 – Present

- Use observational population health datasets as a framework for developing novel, scientifically-grounded hypotheses and preparing written statistical plans and proposals
- Work independently and collaboratively to identify and implement statistical methods in order to advance research, including expanding research questions and troubleshooting barriers to progress where indicated
- Develop tables, charts, graphs, and figures to synthesize research into a compelling narrative
- Prepare manuscripts for submission to research journals

Clinical Research Assistant — August 2015 – August 2017

- Coordinated multiple clinical research studies related to pulmonary disease medicine, including pharmaceutical clinical trials and observational data collection registries

- Coordinated study start-up, training, conduct, and regulatory compliance across multiple hospital departments
- Prepared protocol submissions, modifications, and amendments in compliance with FDA and ethics committee regulations
- Collaborated with team members to systematize and operationalize study procedures including developing study protocols, manual of procedures (MOPs), and case report forms (CRFs)

UNDERGRADUATE RESEARCH EXPERIENCE

University of California Los Angeles, New York, NY — Summer 2014
Cornell/Rockefeller/Sloan-Kettering Tri-I, New York, NY — Summer 2013
Columbia University, New York, NY — Summer 2012

As a *Visiting Undergraduate Researcher* at the above institutions, I gained experience with:

- Independently driving progress on biomedical research projects
- Writing literature reviews and scientific reports summarizing relevant methods and results
- Formal and informal presentations at lab meetings and research conferences

VOLUNTEER

Bard Prison Initiation, Annandale-on-Hudson, NY
Mathematics/Biology Tutor — August 2014 – May 2015

- Helped incarcerated students develop skills and tools necessary for success in coursework leading to a four-year bachelor's degree.

PUBLICATIONS

Easthausen I, Podolanczuk A, Hoffman E, Kawut S, Oelsner E, Kim JS, Raghu G, Stukovsky KH, McClelland R, Barr RG, Lederer DJ. (2019) Reference values for high attenuation areas on chest CT in a healthy, never-smoker, multi-ethnic sample: The MESA study. *Manuscript in preparation for Respirology.*

Singer JP, Diamond JM, Anderson MR, Katz PP, Covinsky K, Oyster M, Blue T, Soong A, Kalman L, Shrestha P, Arcasoy SM, Greenland JR, Shah L, Kukreja J, Blumenthal NP, **Easthausen I**, Golden JA, McBurnie A, Cantu E, Sonett J, Hays S, Robbins H, Raza K, Bacchetta M, Shah RJ, D'Ovidio F, Venado A, Christie JD, Lederer DJ. (2018) Frailty phenotypes and mortality after lung transplantation: A prospective cohort study. *American Journal of Transplantation* 18(8):1995-2004.

Podolanczuk AJ, Oelsner EC, Barr RG, Bernstein EJ, Hoffman EA, **Easthausen IJ**, Stukovsky KH, RoyChoudhury A, Michos ED, Raghu G, Kawut SM, Lederer DJ. (2017) High-Attenuation Areas on Chest Computed Tomography and Clinical Respiratory Outcomes in Community-Dwelling Adults. *American Journal of Respiratory and Critical Care Medicine* 196(11):1434-1442.

Baldwin MR, Peterson ER, **Easthausen IJ**, Quintanilla I, Colago E, Sonett JR, D'Ovidio F, Costa J, Diamond JM, Christie JD, Arcasoy SM, Lederer DJ. (2013) Donor Age and Early Graft Failure After Lung Transplantation: A Cohort Study. *American Journal of Transplantation* 13(10):2685-95.

PUBLICATIONS

Easthausen IJ, Robertson B, "Songbirds and Their Sunglasses: A Study Demonstrating Avian Attraction to Highly Polarizing Horizontal Surfaces." Poster presentation at the Hudson Valley Life Sciences conference 2015. Annandale-on-Hudson, NY.

Easthausen IJ, Martinez-Agosto JA, "Identification of Tumor-Reducing Agents Reveals Potential

Downstream Effectors of the Hippo Signaling Pathway." Poster presentation at UCLA Summer Research Poster Session, 2014. Los Angeles, CA.

Easthausen IJ, Brand C, Weber WA, Lewis JS, Reiner T, "Synthesis of a Multimodal Imaging Agent for the Visualization of Pancreatic Beta Cells in vivo." Poster presentation at the Annual Biomedical Research Conference for Minority Students, 2013. Nashville, TN. Winner of Best Poster in Chemistry award.

Easthausen IJ, Brand C, Reiner T, Weber WA, Lewis JS, "Synthesis of a Multimodal Imaging Agent for the Visualization of Pancreatic Beta Cells in vivo." Oral presentation at Weill Cornell/Rockefeller/Sloan-Kettering Tri-Institutional MD/PhD Program 2013 & at Leadership Alliance National Symposium, 2013. New York, NY.

Easthausen IJ, Quintanilla I, "Donor Age and Mortality after Lung Transplantation: A Retrospective Cohort Study." Oral presentation at Columbia University Mailman School of Public Health: Biostatistics Enrichment Summer Training Diversity Program Research Symposium, 2012. New York, NY.