

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:

- Columbia University Heilbrunn Scholarship
- National Institute of Health (NIH) research grant award

Bard College, Annandale, NY

May 2015

Bachelor of Arts in Biology with a focus in Mathematics

Honors:

- Distinguished Scientist Scholar

PROGRAMMING LANGUAGES AND SOFTWARE

Languages: R, SAS, SQL, Python

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

Software: MySQL, Microsoft Access (and other Microsoft Office programs)

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, time series 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
- Use scientific literature in order to prepare written statistical plans and proposals that clearly reflect research hypotheses

- 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
- Act as an internal consultant to help team members identify and implement statistical methods appropriate to their research questions and hypotheses
- Prepare talks and presentations on relevant statistical topics to aid team members in continuing to develop their statistical toolboxes and understanding of statistical methods

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
- Served as the primary point of contact for multiple industry and government study sponsors
- 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)

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.

PRESENTATIONS

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.