

EMILIE MATHURA, MSPH, OMS-IV
CURRICULUM VITAE
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Personal Information:

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Education:

Doctor of Osteopathic Medicine

Rocky Vista University- College of Osteopathic Medicine
Projected Graduation: May 2024

Master of Science in Public Health

University of North Carolina at Chapel Hill
December 2022

Maternal and Child Health

Master's Paper Title: Can Healthcare Technology Improve Health Equity for Reproductive Health? A Systematic Review of the Literature. Adviser: Alison Stuebe, MD, MSc, FACOG

Bachelor of Science

North Carolina State University
December 2017
Human Biological Sciences

Awards:

2023-Present	Aspen Ideas: Health Fellowship Aspen Institute
2023-Present	Future of Health Impact Mentorship Cohort Selectee Onboard Health
2019-Present	Urban Underserved Honors Track RVU-COM
2023	Excellence in Diversity, Equity, Inclusion, and Belonging Award RVU-COM
2023	Physicians of Tomorrow Scholarship Nominee American Medical Association

- 2020 Abortion Training Scholarship
Medical Students for Choice
- 2020 T.O.U.C.H. Silver Service Award
American Osteopathic Association

Professional Development & Certifications:

- 2022 Naloxone Training
- 2021 Student Health Action Coalition Gender Equity Training
- 2021 Clinical Interpreter - Spanish
- 2020 Medical Spanish III
- 2020 Trauma-Informed-Care Training Completion Certificate
- 2020 Groundwater Diversity Training Certificate
- 2019 St. Joseph's Hospital- OBGYN Skills Night
- 2019 History of Medicine- History of Sexuality Elective Course

Publications:

Book Chapters

1. Korach KS, Hewitt S, Hamilton K, Li Y, Ramsey JT, Garcia M, **Mathura E**, Arao Y. (2019) Physiological and Pathological Roles of Estrogen Receptor. In: Zhang X. (eds) Estrogen Receptor and Breast Cancer. Cancer Drug Discovery and Development. Humana Press, Cham

Peer-Reviewed Articles

1. Ramos S, Stuppy A, **Mathura E**, Chowdhury I, Jung D.S, Phan N, Anderson Y, Haskins C, Linger RMA, Powell JM. "Best practices for acknowledging and addressing racial and ethnic health disparities in medical education." International Association of Medical Science Educators Manual Series. 1-250, 2023. *Accepted for publication in June 2023.*
2. Yukitomo Arao, Artiom Gruzdev, Gregory J Scott, Manas K Ray, Lauren J Donoghue, Thomas I Neufeld, Sydney L Lierz, Megan L Stefkovich, **Emilie Mathura**, Tanner Jefferson, Julie F Foley, Beth W Mahler, Arvand Asghari, Courtney Le, Bradley K McConnell, Robert Stephen, Brian R Berridge, Katherine J Hamilton, Sylvia C Hewitt, Michihisa Umetani, Kenneth S Korach, A Novel Mouse Model to Analyze Non-Genomic ER α Physiological Actions, *Journal of the Endocrine Society*, Volume 6, Issue 9, September 2022, bvac109, <https://doi.org/10.1210/jendso/bvac109>
3. Yin Li, Katherine J Hamilton, Lalith Perera, Tianyuan Wang, Artiom Gruzdev, Tanner B Jefferson, Austin X Zhang, **Emilie Mathura**, Kevin E Gerrish, Laura Wharey, Negin P Martin, Jian-Liang Li, Kenneth S Korach, ESR1 Mutations Associated With Estrogen Insensitivity

Syndrome Change Conformation of Ligand-Receptor Complex and Altered Transcriptome Profile, *Endocrinology*, Volume 161, Issue 6, June 2020, bqaa050, <https://doi.org/10.1210/endoctr/bqaa050>

4. Yin Li, Katherine J Hamilton, Lalith Perera, Tianyuan Wang, Artiom Gruzdev, Tanner B Jefferson, Austin X Zhang, **Emilie Mathura**, Kevin E Gerrish, Laura Wharey, Negin P Martin, Jian-Liang Li, Kenneth S Korach, ESR1 mutations associated with EIS change conformation of ligand receptor complex and alter transcriptome profile, *Endocrinology*, bqaa050, <https://doi.org/10.1210/endoctr/bqaa050>
5. Y Li, K Hamilton, T Wang, L Perera, A Zhang, T Jefferson, **E Mathura**, K Gerrish, L Wharey, A Gruzdev, N Martin, J Li, K Korach, SAT-205 ESR1 Q375H and R394H Mutants Associated with Estrogen Insensitivity Syndrome Mediate Genome-Wide Genetic and Epigenetic Aberrances, *Journal of the Endocrine Society*, Volume 3, Issue Supplement_1, April-May 2019, SAT-205, <https://doi.org/10.1210/js.2019-SAT-205>

Oral Presentations

1. **Mathura E.** Cancer & Women's Health. Presented at Baila Cura. September 2020. Durham, NC.

Un-refereed Works (Blogs & other online resources)

1. **Mathura E.** 01 Tonia Poteat: Caring for People Living with HIV. Equity Practice. Podcast. January 2023. Accessed Online: <https://open.spotify.com/episode/4JegQjheu6AFn6k8VsZfwp>
2. **Mathura E.** Creating your own Equity Practice. Equity Practice. Blog. December 2022. Accessed Online: <https://equitypractice.substack.com/p/creating-your-own-equity-practice>
3. **Mathura E.** What is an Equity Practice? & Why I Quit Mine. Equity Practice. Blog. November 18, 2022. Accessed Online: <https://equitypractice.substack.com/p/what-is-an-equity-practice-and-why>
4. **Mathura E.** Permission to be Called Out. Equity Practice. Blog. April 4, 2022. Accessed online: <https://equitypractice.substack.com/p/permission-to-be-called-out>

Professional Experience:

Research Experience

2023 – Present	Student Researcher Exploration of Fertility in Participants of the Study of Environment, Lifestyle, and Fibroids (SELF) Fertility & Reproductive Health Group National Institutes of Health- NIEHS
2020 - Present	Student Writer Manual for Teaching Racial and Ethnic Health Disparities Rocky Vista University - College of Osteopathic Medicine

2021 - 2022 **Graduate Research Assistant**
American College of Obstetricians & Gynecologists (ACOG)
Department of Maternal and Child Health
UNC Chapel Hill- Gillings School of Public Health

2017 **Post-baccalaureate Research Award Fellow**
Reproductive and Developmental Biology Laboratory
National Institutes of Environmental Health Sciences
National Institutes of Health

Work Experience

2022 **Maternal & Child Health Practicum Student**
Incarcerated Women's Health & Substance Use Disorder Clinic
Department of OB/GYN
University of North Carolina at Chapel Hill

2018 - 2019 **Care Coordinator**
Forward
San Francisco, CA

2017 - 2019 **Maternal Health Intern & Volunteer Coordinator**
Hands on Peru
Huanchaco, Peru

2017 **Volunteer Coordinator**
Hands on Peru
Huanchaco, Peru

Extracurricular Experience:

2019 – Present **Medical Student Volunteer**
The Well Community Clinic

2021 – 2022 **Volunteer Clinical Spanish Interpreter**
Student Health Action Coalition
University of North Carolina at Chapel Hill

2021 **Shark Tank Research Pitch Competition Awardee**
Office of Research
Rocky Vista University - College of Osteopathic Medicine

2021 **Scholarship Founder**
Board Study Scholarship for Underrepresented Minorities in Medicine
Officer for Diversity, Equity, and Inclusion
Student Government Association
Rocky Vista University - College of Osteopathic Medicine

2020 - 2021 **Officer for Diversity, Equity, and Inclusion**
Student Government Association
Rocky Vista University - College of Osteopathic Medicine

2020 – 2021 **Group Facilitator**
Hard Conversations: Discussion Group on Diversity, Equity, and Inclusion
Student Government Association
Rocky Vista University – College of Osteopathic Medicine

2020 – 2021 **Founder & Executive Director**
Female Tales Untold Production
Medical Students for Choice Student Club
Rocky Vista University- College of Osteopathic Medicine

2020 - 2021 **Community Outreach Subcommittee Member**
OB/GYN Club
Rocky Vista University - College of Osteopathic Medicine

2019 - 2020 **Diversity Committee Member**
Student Government Association
Rocky Vista University - College of Osteopathic Medicine

2019 - 2020 **First Year Representative**
OB/GYN Club
Rocky Vista University - College of Osteopathic Medicine

2019 – 2020 **Medical Student Volunteer**
Mini Med School
Rocky Vista University- College of Osteopathic Medicine

2019 – 2020 **Medical Student Volunteer**
Anatomy Tutor for High School Students
Rocky Vista University- College of Osteopathic Medicine

2019 – 2020 **Casting Director**
The Vagina Monologues
Medical Students for Choice Student Club
Rocky Vista University- College of Osteopathic Medicine

2018 – 2019 **Volunteer Birth Doula**
Refugee Birth Support
Embrace Refugee Birth Support