

Marina Oktapodas Feiler, PhD, MS

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EDUCATION

2021	Post-Doctoral Fellow	Epidemiology & Environmental Health	<i>University of Rochester T32 Toxicology Training Grant</i>
2019	PhD	Epidemiology	<i>University of Rochester</i>
2015	MS	Epidemiology	<i>University at Buffalo</i>
2012	BS	Psychology	<i>University at Buffalo, Cum Laude</i>

RESEARCH EXPERIENCE AND PROFESSIONAL APPOINTMENTS

July 2021-Present	Assistant Professor, Research Track Temple University, College of Public Health, Department of Epidemiology and Biostatistics
June 2019-June 2021	Post-doctoral Fellow (T32 NIEHS Training Grant-T32-ES007026) University of Rochester, Department of Environmental Medicine
Jan. 2021 – May 2021	Adjunct Faculty Daemen College, Master of Public Health Program
Jan. 2017- May 2019	Analyst University of Rochester, Departments of Public Health Sciences and Dentistry
Jan. 2017- May 2018	Fellow Teaching as Research Program (TAR), Center for the Integration of Research, Teaching and Learning (CIRTL)
Aug. 2016- May 2019	Health Project Coordinator/Analyst Center for Community Health and Prevention, Emerging Infections Program
Aug. 2014- May 2019	Research Assistant University of Rochester, Department of Public Health Sciences
Feb. 2014-Aug. 2014	Project Coordinator Roswell Park Comprehensive Cancer Center, Department of Bioinformatics and Pathology
July 2012-Aug. 2014	Research Assistant SUNY Buffalo, Department of Epidemiology and Environmental Health
Aug. 2011-Aug. 2012	Research Assistant SUNY Buffalo, Department of Psychology

TEACHING EXPERIENCE**Graduate Courses:**

- EPBI 9289: MPH Fieldwork I, Fall 2021-2022, Temple University
- EPBI 8207: Reproductive and Perinatal Epidemiology, Summer 2022, Temple University
- EPBI 5005: Applied Analysis of Health, Spring 2022, Temple University
- EPBI 8205: Chronic Disease Epidemiology (2 sections), Fall 2021, Temple University
- PH 572: Chronic Diseases, Spring 2021, Daemen College-Adjunct Faculty

Undergraduate Courses:

- EPBI 3102: Introduction to Research Methods, Fall and Spring 2022, Temple University

Guest Lectures:

- Introduction to Public Health II, Spring 2016-2022, University of Rochester
- EPBI 5205: Surveillance, Epidemics, and Outbreaks, Spring 2022, Temple University
- Concepts of Epidemiology, Fall 2019, University of Rochester
- Introduction to Public Health I, Spring 2018, University of Rochester
- Social and Behavioral Medicine, Spring 2017, University of Rochester

Teaching Assistant:

- Concepts of Epidemiology, Fall 2019, University of Rochester
- Social and Behavioral Medicine, Spring 2017, University of Rochester
- Introduction to Public Health II, Spring 2016, University of Rochester
- Psychology 101, Summer 2012, SUNY Buffalo

MEMBERSHIPS

- International Society for Environmental Epidemiology (ISEE)
- Society for Pediatric and Perinatal Epidemiologic Research (SPER)
- American Public Health Association (APHA)

PROFESSIONAL MEETINGS AND CONFERENCES

- International Society for Environmental Epidemiology (ISEE). Athens, Greece (September 2022)
- Society for Epidemiologic Research (SER) Annual Meeting. Chicago (June 2022)
- International Society for Environmental Epidemiology (ISEE). Virtual Conference (Aug. 2020)
- Research Celebration Day, Pediatrics, University of Rochester. Rochester, NY (Oct. 2020)
- Wilmot Cancer Center Symposium. University of Rochester. Rochester, NY (Nov. 2018)
- HPV Impact PI Meeting. Centers for Disease Control and Prevention. Atlanta, Georgia (joined virtually, Nov. 2018)
- Academic Association of Pediatrics Environmental Health Scholars Retreat. Brown University. Providence, RI. (Oct. 2018)
- Wilmot Cancer Center Symposium. University of Rochester. Rochester, NY (Nov. 2017)
- HPV Impact PI Meeting. Centers for Disease Control and Prevention. Atlanta, Georgia (Sep. 2017)
- Exposure Symposium. University of Rochester. Rochester, NY (May 2017)
- Environmental Health Sciences Research Day. University of Rochester. Rochester, NY (Sep. 2015)

PROFESSIONAL DEVELOPMENT

- Manuscript Reviewer, The Science of the Total Environment (STOTEN) (Sep. 2022)
 - Assisted in the development of a review by the Environmental Protection Agency (EPA) on polychlorinated-biphenyls (PCBs) and adverse health outcomes in children (Nov. 2020)
 - Manuscript Reviewer, The Science of the Total Environment (STOTEN) (Aug. 2020)
 - Manuscript Reviewer, Clinical Medicine Insights: Pediatrics (May 2020)
 - Manuscript Reviewer, Clinical Medicine Insights: Pediatrics (Feb. 2020)
 - Manuscript Reviewer, International Journal of Hygiene and Environmental Health (Nov. 2019)
 - Manuscript Reviewer, Pediatrics (Oct. 2018)
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ACADEMIC SERVICE

- Member, PhD Preliminary Exam Committee (2022-present)
 - Member, CPH “Research Readiness” Suitable Curriculum Committee (2022-present)
 - Faculty Advisor, Epidemiology and Biostatistics Student Association (EBSA) (2022-present)
 - Member, Environmental Health Curriculum Committee (2022-present)
 - Faculty Advisor, MPH (2021-present)
 - Member, Academic Honesty Committee (2021- present)
 - Member, MPH/MS Admission Committee (2021- present)
 - Chair, PhD Curriculum Work Group (2022)
 - Member, NTT Workload Committee (2022)
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ADVISING

1. **Nitzana Spiegel** MPH in Epidemiology
Field Work Preceptor (Summer 2022, Fall 2022, Spring 2023-expected)
Project Title: *The association between early-life lead exposure and vaccine-preventable pediatric respiratory diseases, influenza and pneumonia from 2010-2020 in Philadelphia, PA*
 2. **Sonia Habel** MPH Epidemiology
Field Work Preceptor (Summer 2022, Fall 2022, Spring 2023-expected)
Project Title: *Census-level Socio-economic Determinants of Lead Exposure and Streptococcal Pharyngitis and Parainfluenza (Croup) Among a Retrospective Cohort of Children Residing in the City of Philadelphia, PA*
 3. **Carter H. Pason** MPH Epidemiology
Field Work Preceptor (Summer 2022, Fall 2022, Spring 2023-expected)
Project Title: *In a cohort of children within Philadelphia, PA, what is the association between lead exposure and asthma and allergic disease?*
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PUBLICATIONS

1. *Gargano, JW, McClung N, Lewis R, et al. HPV type-specific trends in cervical precancers in the United States, 2008-2016. *Int. J Cancer*. 2022.
2. **Oktapodas Feiler M**, Pavia CJ, Frey SF, et al. *Early Life Blood Lead Levels and Asthma Diagnosis at Age 4-6 Years*. *Env. Health and Prev. Med*. 2021; 26:102.

3. Anto-Ocrah M, **Oktapodas Feiler M**, Pukall C, Pacos-Martinez A. *Resilience and Sexuality after Concussion in Women*. Sex Med. 2021; 9(1):100297.
4. **Oktapodas Feiler M**, Caserta MT, van Wijngaarden E et al. *Environmental Lead Exposure and Influenza and Respiratory Syncytial Virus Diagnoses Risk among Young Children: A Test-Negative Case-Control Study*. Int J Environ Res Public Health. 2020; 17(20):7625.
5. Jusko TA, Singh S, Greener EA, **Oktapodas Feiler M** et al. *Blood lead concentrations and antibody levels to measles, mumps, and rubella among US children*. Int J Environ Res Public Health. 2019; 16(17):3035.
6. Drobna B, Fabisikova A, Conka K et al. *PBDE Serum Concentration and Preschool Maturity of Children from Slovakia*. Chemosphere. 2019; 233:387-395.
7. *McClung M, Gargano J, Park I et al. *Estimated Number of Cases of High-Grade Cervical Lesions Diagnoses Among Women-United States, 2008 and 2016*. MMWR Morb Mortal Wkly Rep. 2019; 68(15):337-343.
8. *McClung NM, Gargano JW, Bennett NM, et al. *Trends in Human Papillomavirus Vaccine Types 16 and 18 in Cervical Precancers, 2008-2014*. Cancer Epidemiol Biomarkers Prev. 2019; 28(3): 602-609.
9. *Gargano JW, Park IU, Griffin MR et al. *Trends in High-Grade Cervical Lesions and Cervical Cancer Screening in 5 States, 2008-2015*. Clin Infect Dis. 2019; 68(8):1282-1291.
10. **Oktapodas Feiler M**, Patel D, Li H et al. *The Association between Early-life Relative Telomere Length and Childhood Neurodevelopment*. Neurotoxicology. 2018; 65:22-27.
11. Jusko TA, **Oktapodas M**, Palkovičová Murinová L et al. *Demographic, reproductive, and dietary determinants of perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) concentrations in human colostrum*. Environ Sci Technol. 2016; 50(13):7152-62.
12. Whalen PE, **Oktapodas M**, Gaudio C. *Transition of Care from an Academic Cancer Center to Community Providers and Survivorship care: Would a Patient Care Team Portal Help?* JAMIA Professional Informatics Journal, limited access. 2015.

*Indicates authorship as part of HPV-IMPACT Group consortium

Submitted:

- **Oktapodas Feiler, M**, Yucel, R, et al. *Trends and Predictors of Respiratory Syncytial Virus (RSV) and Influenza Diagnosis in an Urban Pediatric Population*.

In Progress (not submitted):

- **Oktapodas Feiler, M** et al. *Early-life Environmental Toxic Heavy Metal Exposure and Immune Dysfunction in Childhood: A Scoping Review*.
- Wilson R, Holtz S, Stranick A, Wood S, **Oktapodas Feiler M**, Jones RM. *PFAS and Cancer Risk: A Scoping Review*.
- **Oktapodas Feiler, M**, et al. *The association between early-life lead exposure and pediatric respiratory disease: influenza, pneumonia, parainfluenza, and asthma*.
- **Oktapodas Feiler, M** et al. *The role of lead exposure on influenza and pneumococcal vaccine effectiveness in an urban cohort of underrepresented children within Philadelphia*.
- **Oktapodas Feiler, M**, Jusko, TA, DeWitt, JC et al. *A Prospective Cohort Study of Early Life Perfluoroalkyl Substance Exposure and Humoral Immunity at Age 6 Months*.
- Patel J, **Oktapodas Feiler, M** et al. *The link between HPV infection and oral cancers, a narrative review*.

THESES:

1. Dissertation: *The role of environmental lead exposure on influenza and RSV infection in young children*. Chair: TA Jusko; Committee: E van Wijngaarden, BP Lawrence, M Caserta. University of Rochester, Rochester, NY.

2. Thesis: *The association between over-the-counter analgesic use and renal cell carcinoma*. Chair: L Mu; Committee: K Moysich, J Marshall. SUNY Buffalo, Buffalo, NY.
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FUNDING SUPPORT

ACTIVE:

2022-2027 **NU581P000003** (09/1/2022-08/31/2027) (Rudolph)
National Immunization Program/CDC/DHHS
Tracking the burden, distribution, and impact of Post COVID-19 conditions among a diverse group of children, adolescents, and adults in Philadelphia, PA.
 Goal: This project aims to better characterize the overall burden of morbidity following SARS-CoV-2 infection, identify geographic areas and groups of individuals that are disproportionately impacted, and monitor post COVID-19 conditions (PCC) trends over time. Our findings will guide the development of PCC prevention programs, public health actions to reduce health disparities, and clinical guidelines and care efforts; and be used to plan for future rehabilitation and treatment needs.
Role: Co-Investigator, Epidemiology Lead (25% effort)

SUBMITTED:

October 2022 **R21 NIH- National Institute of Environmental Health Sciences**
Examining Gestational PFAS Mixtures Exposure and the Impact on Breastfeeding Duration, while Considering Mediating Effects of Prolactin Concentrations in an Underrepresented, Urban Cohort of Mother-Child Pairs in Philadelphia, PA
 Goal: To estimate the association between PFAS mixtures exposure *in-utero* and breastfeeding duration up-to 6 months post-partum, and examine the potential mediating effect of prolactin hormone on this relationship as a function of endocrine disruption among a low-resource, underrepresented cohort of pregnant women and infants in Philadelphia, PA.
PI: Marina Oktapodas Feiler (25% effort)

November 2022 **K01 Resubmission- Transition to Independent Environmental Health Research (TIEHR)**
 National Institutes of Health (NIEHS)
Early-life Phthalate Exposure, Sexual Dimorphism, and Childhood Vaccine Response: A Longitudinal Cohort of Mothers and Children
 Goal: To understand the role early-life phthalate exposure has on vaccine response in childhood, and the mediating effect of sex hormones on immune response as a function of endocrine disruption causing developmental immunotoxicity.
PI: Marina Oktapodas Feiler (75% effort)

December 2022 **American Association of University Women (AAUW)- Research Publication Grant in Engineering, Medicine, and Science**
 Examining the Role of Early-Life Lead Exposure on Clinical Respiratory and Allergic Disease in an Underrepresented, Urban Cohort of Children Ten Years of Age and Younger
 (Budget: \$35,000)
PI: Marina Oktapodas Feiler

COMPLETED:

2020-2022 **Loan Repayment Award** (07/1/2020-06/30/2022) (Feiler)
 National Institute of Environmental Health Sciences (NIEHS)- Pediatric Program
Environmental Lead Exposure and Children's Vaccine Response to Various Scheduled Vaccinations
Role: PI

2019-2021 **Training in Environmental Toxicology T32** (06/2019-06/2021) (Elder)
 T32 ES007026

The Rochester Toxicology Training Program provides support for graduate students and postdoctoral fellows interested in mechanistic toxicology research. This program trains future scientists who will help find ways to reduce the negative impact of chemicals and other environmental factors on human health, and discover novel ways to prevent and treat disease.

Role: Post-Doctoral Fellow

2017-2018 **Teaching as Research Program (TAR), Center for the Integration of Research, Teaching and Learning (CIRTL) (01/2018-05/2018)**

Role: Fellow

2015-2019 **3376 Emerging Infections Program (08/2016-05/2019) (Bennett & Dumyati)**

Goal: To perform active surveillance and study preventive interventions for emerging and other infections of interest including: influenza, healthcare associated infections, and Human Papilloma Virus (HPV).

Role: Project Coordinator

MEDIA MENTIONS

- Subject matter expert for “What you need to know about getting the flu shot this year.” By David Hunt. November 7, 2021. The Temple News. Available at: <https://temple-news.com/what-you-need-to-know-about-getting-the-flu-shot-this-year/>

SELECT CO-AUTHORED PRESENTATIONS AT SCIENTIFIC AND PROFESSIONAL MEETINGS

1. “Identifying critical windows of perinatal lead exposure for serum antibody levels to childhood vaccination.” Poster Presentation, ISEE Annual Meeting 2022, Athens, Greece (Sep. 2022).
2. “What do we know about disparities in exposure to per-and polyfluoroalkyl substances (PFAS) and cancer risk? A scoping systematic review.” Virtual Presentation, 149th Annual Meeting of the American Public Health Association (Oct. 2021).
3. “The impact of mercury exposure on the relationship between Th17 cytokines and disease activity and disease-associated damage in Systemic Lupus Erythematosus.” Poster, LUPUS and CORA Conference. Virtual Conference (Oct. 2021).
4. “Preliminary Data from the PROGRESS Cohort on Early Life Blood Lead Concentrations and Child MMR Vaccine Response.” Poster, International Society for Environmental Epidemiology (ISEE). Virtual Conference (Aug. 2020).
5. “The Role of Environmental Lead Exposure on Influenza and Respiratory Syncytial Virus (RSV) in Young Children, and Some Preliminary Results from an Expanded Cohort.” Poster, Research Celebration Day, Pediatrics, UR (Oct. 2019).
6. “GIS-based Analyses of Census Tract Demographics and HPV Vaccine Attributable Preinvasive Cervical Lesions.” Poster, Wilmot Cancer Center Symposium, UR (Nov. 2018).
7. “Comparison of MarketScan Data with Rochester Regional Health Information Organization (RRHIO).” Presentation (Call-in), HPV-IMPACT PI Meeting. Oakland, California (Nov. 2018).
8. “Environmental Lead Exposure and Risk of Influenza Diagnosis.” Presentation, Academic Association of Pediatrics Environmental Health Scholars Retreat, Brown University (Oct. 2018).
9. “An Assessment of Intrinsic and Extrinsic Motivators among Undergraduate Public Health Majors.” Poster, Teaching-as-Research Research Day, UR (May 2018).
10. “The role of environmental lead exposure and influenza and RSV infection in young children.” Dissertation Proposal, Department of Epidemiology, UR (Dec. 2017).

11. "A Two Method Approach to Indirectly Analyzing the Impact of HPV Vaccination on High Grade Cervical Intraepithelial Neoplasia Rates in an Era of Decreasing Screening." Poster, Wilmot Cancer Symposium, UR (Nov. 2017).
 12. "Distributions of Various Persistent Organic Pollutants in Rochester Women and Children." Poster, Exposure Symposium, UR (May 2017).
 13. "The association between in *utero* and postnatal blood lead concentrations and immune system function later on in childhood." Department of Epidemiology, Seminar Series, UR (Nov. 2015).
 14. "Persistent Organic Pollutant (POP) Concentrations in Rochester Infants." Poster, Environmental Health Sciences Research Day, UR (Sep. 2015).
 15. "The association between over-the-counter analgesic use and renal cell carcinoma." Department of Epidemiology and Environmental Sciences, Master's Thesis Defense, UB (Mar. 2014).
 16. "Perfluorinated Compounds in Colostrum and Vaccine Antibody Concentration at Age 6 Months." Department of Epidemiology, Seminar Series, UR (Feb. 2014).
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