

# Marina Oktapodas Feiler

marina.feiler@temple.edu

---

## EDUCATION

|      |            |                     |  |
|------|------------|---------------------|--|
| 2019 | <b>PhD</b> | <b>Epidemiology</b> | <i>University of Rochester</i><br>Dissertation title: The role of environmental lead exposure on influenza and RSV infection in young children.<br>(Chair: TA Jusko; Committee: E van Wijngaarden, BP Lawrence, M Caserta) |
| 2015 | <b>MS</b>  | <b>Epidemiology</b> | <i>University at Buffalo</i><br>Thesis title: The association between over-the-counter analgesic use and renal cell carcinoma<br>(Chair: L Mu; Committee: K Moysich, J Marshall)   |
| 2012 | <b>BS</b>  | <b>Psychology</b>   | <i>Cum Laude, University at Buffalo</i>  |

---

## RESEARCH/PROFESSIONAL EXPERIENCE

July 2021-Present **Assistant Professor, Research Track**

Temple University, College of Public Health, Department of Epidemiology and Biostatistics

- Responsibilities include teaching, research and service. Excellence in teaching of graduate and undergraduate courses throughout all three semesters, research productivity and excellence (including grant submissions, collaborations on research projects and publications, manuscript submissions), and service to the College.

June 2019-June 2021 **Post-doctoral Fellow (T32 Training Grant-T32-ES007026)**

University of Rochester, Department of Environmental Medicine, Dr. Todd A. Jusko

- Analysis, manuscript writing, and experience with grant writing on various projects related to pediatric immune and neurodevelopmental health, and environmental risk factors. A large focus was placed on the Programming Research in Obesity, Growth, Environment, and Social Stress (PROGRESS) study. This is a prospective longitudinal cohort of children residing in Mexico City, examining the relationship between environmental lead exposure and immune health is a primary focus of this cohort.

Jan. 2017- May 2019 **Analyst**

University of Rochester, Departments of Public Health Sciences and Dentistry, Drs. Gene Watson and Edwin van Wijngaarden

- Analysis of Seychelles Child Development Study data. Topics included examination of dental caries and amalgams and telomere length, nutritional status, and neurodevelopmental outcomes.

Jan. 2017- May 2018 **Fellow**

Teaching as Research Program (TAR), Center for the Integration of Research, Teaching and Learning (CIRTL)

- Responsibilities included attendance at monthly meetings and workshops as well as designing and conducting a research study in an educational setting. A protocol was written and submitted to RSRB for approval, public health students were recruited in classrooms and assessed for motivational factors and school performance. A poster presentation was required at the end of the program to present findings.

Aug. 2016- May 2019 **Health Project Coordinator/Analyst**

Center for Community Health, Emerging Infections Program, Dr. Nancy Bennett

- Prospective surveillance of respiratory syncytial virus (RSV) and influenza, as well as data collection of retrospective surveillance. Analyst and surveillance staff member for the HPV Impact study, a CDC funded study of ongoing HPV and cervical cancer surveillance.

Aug. 2014- May 2019 **Research Assistant**

University of Rochester, Department of Public Health Sciences, Dr. Todd Jusko

- Worked on several projects involving data analysis, manuscript writing, creating posters, and presentations related to pediatric environmental health.

Feb. 2014-Aug. 2014

**Project Coordinator**

Roswell Park Comprehensive Cancer Center, Department of Bioinformatics and Pathology, Dr. Carmelo Gaudioso

- Assisted with the development of a new multidisciplinary online portal between physicians and patients. Assisted in conducting a series of focus groups and manuscript writing. Transcribed written oncology notes into an online database.

July 2012-Aug. 2014

**Research Assistant**

University at Buffalo, Department of Epidemiology and Environmental Health, Dr. Lina Mu

- Developed a leukemia questionnaire with the help of another graduate student for use in China. Conducted data analysis on data from a lung cancer study in China. Consented participants, administered questionnaires, collected bio-specimen, entered data into Microsoft access.

Nov. 2011-Mar. 2012

**Research Assistant**

Erie County Medical Center (ECMC), University at Buffalo- Department of Psychology, Dr. Jennifer Read

- Recruited adolescent participants in the pediatric psychiatric department in order to assist a PhD candidate with her dissertation work. Consented minors by speaking with parents, administered questionnaires, and entered data into excel worksheet, minor analysis of data.

Aug. 2011-Aug. 2012

**Research Assistant**

University at Buffalo, Department of Psychology, Dr. Jennifer Read

- Involved in all data collection procedures in a large study in the Alcohol Research lab. Instructed participants throughout study, conducted 45-minute interviews with participants, entered data into excel, conducted literature searches, minor analysis of data, recorded and distributed weekly meeting notes.

---

**TEACHING EXPERIENCE**

**Graduate Courses Taught:**

EPBI 5005: Applied Analysis of Health, Spring 2022, Temple University  
EPBI 9289: MPH Fieldwork I, Fall 2021, 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 Taught:**

EPBI 3102: Introduction to Research Methods (2 sections), 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

---

**RESEARCH SKILLS**

- Epidemiologic study design, methods, and analyses
- Surveillance
- Experience with GIS data
- Directed Acyclic Graphs (DAGs)
- Literature searches and systematic literature reviews
- Survey development
- Analytic and computer skills: MS office (Excel, Word, PowerPoint), SAS, statistical modeling

---

**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). 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 AND ACADEMIC SERVICE

- MPH/MS Advisor (2021-present)
  - Academic Honesty Committee (2021- present)
  - MPH/MS Admission Committee (2021- present)
  - 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)
  - Grant Writing Workshops Series, Center for Career and Professional Development (Sep-Oct. 2019)
  - Manuscript Reviewer, Pediatrics (Oct. 2018)
  - Moderator, Public Health Grand Rounds, Bi-weekly seminar series (Aug. 2015- May 2016)
  - Developing Individual Training Grants, F series (Oct. 2015)
  - Future Faculty Workshop (Oct. 2015)
  - Graduate Student Grantsmanship Forum (Sep. 2015)
  - Qualifying Exam Writing Workshop 2 (June 2015)
  - Qualifying Exam Writing Workshop 1 (June 2015)
- 

#### PUBLICATIONS

1. **Oktapodas Feiler M**, Pavia CJ, Frey SF, et al (2021). *Early Life Blood Lead Levels and Asthma Diagnosis at Age 4-6 Years*. *Env. Health and Prev. Med.* 2021; 26:102.
2. Anto-Ocrah M, **Oktapodas Feiler M**, Pukall C, Pacos-Martinez A (2021). *Resilience and Sexuality after Concussion in Women*. *Sex Med.* 2021; 9(1):100297.
3. **Oktapodas Feiler M**, Caserta MT, van Wijngaarden E et al (2020). *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.
4. Jusko TA, Singh S, Greener EA, **Oktapodas Feiler M** et al (2019). *Blood lead concentrations and antibody levels to measles, mumps, and rubella among US children*. *Int J Environ Res Public Health.* 2019; 16(17):3035.
5. Drobna B, Fabisikova A, Conka K et al. (2019). *PBDE Serum Concentration and Preschool Maturity of Children from Slovakia*. *Chemosphere.* 2019; 233:387-395.

6. McClung M, Gargano J, Park I et al. (2019) *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.
7. McClung NM, Gargano JW, Bennett NM, et al. (2019) *Trends in Human Papillomavirus Vaccine Types 16 and 18 in Cervical Precancers, 2008-2014*. Cancer Epidemiol Biomarkers Prev. 2019; 28(3): 602-609.
8. Gargano JW, Park IU, Griffin MR et al. (2019) *Trends in High-Grade Cervical Lesions and Cervical Cancer Screening in 5 States, 2008-2015*. Clin Infect Dis. 2019; 68(8):1282-1291.
9. **Oktapodas Feiler M**, Patel D, Li H et al. (2018) *The Association between Early-life Relative Telomere Length and Childhood Neurodevelopment*. Neurotoxicology. 2018; 65:22-27.
10. Jusko TA, **Oktapodas M**, Palkovičová Murinová L et al. (2016) *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.
11. Whalen PE, **Oktapodas M**, Gaudio C. (2015) *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.

#### **In Progress (not submitted):**

- **Oktapodas Feiler, M** et al. *Early-life Environmental Heavy Metal Exposure and Immunosuppression in Childhood: A Scoping Review*.
- **Oktapodas Feiler, M**, Yucel, R, et al. *Trends and Demographic, Maternal, and Socio-Economic Predictors of Respiratory Syncytial Virus (RSV) Diagnosis in an Urban Population of Children Residing in Rochester, NY*.
- **Oktapodas Feiler, M**, Jusko, TA, et al. *A Cohort Study of Immune Cell Counts in Children with Exposure to Perfluorinated Alkyl Substances (PFOS and PFOA)*.
- **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*.
- Jurek JM, McSorley EM, **Oktapodas Feiler M** et al. *The impact of mercury exposure on associations between IL-17A/Th-17 cytokines and disease outcomes in Systemic Lupus Erythematosus*.

#### **FUNDING SUPPORT**

##### **ACTIVE:**

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

##### **SUBMITTED:**

October 2021 **NIEHS K01- Transition to Independent Environmental Health Research (TIEHR)**  
*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.  
**Role: PI**

November 2021 **Loan Repayment Award Renewal (07/1/2022-06/30/2023)** (PI: Marina Oktapodas Feiler)  
National Institute of Environmental Health Sciences (NIEHS)- Pediatric Program

*Gestational Phthalate Exposure and Vaccine Response to MMR and DTP Vaccines*

**Role: PI**

February 2022

**NIEHS R03- Small Research Grant Proposal**

*Understanding the Role of Early-Life Lead Exposure on Immune Dysfunction in Childhood, using a Clinical Cohort of Children Under Five Years of Age*

Goal: To understand the impact of early-life, postnatal blood lead levels on clinical outcomes of immunosuppression and hypersensitivity through secondary data analysis of existing electronic medical records in collaboration with the Pediatrics Department in the Lewis Katz School of Medicine at Temple University.

**Role: PI**

March 2022

**CDC RFA- IP22-2203, 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: The purpose of this project is to track and investigate the burden and impact of post COVID-19 conditions (PCC) in diverse populations, within the United States through surveillance and long-term follow-up of cohorts with PCC in collaboration with public health, academic, or healthcare partners.

**Role: Co-I**

**COMPLETED:**

2019-2021

**Training in Environmental Toxicology T32 (06/2019-06/2021) (PI: Alison 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) (PI: Nancy M. Bennett & Ghinwa 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 FIRST- AND CO-AUTHORED PRESENTATIONS AT SCIENTIFIC AND PROFESSIONAL MEETINGS**

- “What do we know about disparities in exposure to per-and polyfluoroalkyl substances (PFAS) and cancer risk? A scoping systematic review.” Virtual Presentation, 149<sup>th</sup> Annual Meeting of the American Public Health Association (Oct. 2021).
- “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).
- “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).

- “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).
  - “GIS-based Analyses of Census Tract Demographics and HPV Vaccine Attributable Preinvasive Cervical Lesions.” Poster, Wilmot Cancer Center Symposium, UR (Nov. 2018).
  - “Comparison of MarketScan Data with Rochester Regional Health Information Organization (RRHIO).” Presentation (Call-in), HPV-IMPACT PI Meeting, Oakland, California (Nov. 2018).
  - “Environmental Lead Exposure and Risk of Influenza Diagnosis.” Presentation, Academic Association of Pediatrics Environmental Health Scholars Retreat, Brown University (Oct. 2018).
  - “An Assessment of Intrinsic and Extrinsic Motivators among Undergraduate Public Health Majors.” Poster, Teaching-as-Research Research Day, UR (May 2018).
  - “The role of environmental lead exposure and influenza and RSV infection in young children.” Dissertation Proposal, Department of Epidemiology, UR (Dec. 2017).
  - “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).
  - “Distributions of Various Persistent Organic Pollutants in Rochester Women and Children.” Poster, Exposure Symposium, UR (May 2017).
  - “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).
  - “Persistent Organic Pollutant (POP) Concentrations in Rochester Infants.” Poster, Environmental Health Sciences Research Day, UR (Sep. 2015).
  - “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).
  - “Perfluorinated Compounds in Colostrum and Vaccine Antibody Concentration at Age 6 Months.” Department of Epidemiology, Seminar Series, UR (Feb. 2014).
-