

Darya Y. Pokutnaya

EDUCATION

PhD in Epidemiology University of Pittsburgh Graduate School of Public Health, Pittsburgh, PA	2019-current
MPH in Epidemiology of Microbial Diseases Yale School of Public Health, New Haven, CT <ul style="list-style-type: none">Public Health Modeling concentration	2017-2019
BA in Biology, minor in Statistics University of Minnesota – Morris, Morris, MN	2013-2017

RESEARCH EXPERIENCE

Models of Infectious Disease Agent Study (MIDAS), Pittsburgh, PA <i>Graduate Student Researcher</i> <ul style="list-style-type: none">Developed a detailed checklist for researchers, journals, funders, and scientific organizations, to assess the degree of reproducibility of future infectious disease modeling studies.Assisted with technical support and teaching guidance for an Introduction to R course.Developed R scripts to populate and maintain MIDAS scholarly paper databases for over 500+ members.Organized seminars as a MIDAS student committee member, including the 2021 MIDAS conference.	09/2019 - current
Sanofi Pasteur, Pittsburgh, PA <i>Medical Evidence Generation, Influenza Intern</i> <ul style="list-style-type: none">Conducted a systematic review to investigate, describe, and synthesize a summary of methods in the literature used to conduct observational relative vaccine effectiveness studies.Led a retrospective cohort study to assess the impact of high-risk conditions on influenza and pneumonia diagnoses in England for the 2009/10 - 2019/20 influenza seasons. Assigned first author on the publication in the works.	05/2021 – 08/2021
The Connecticut Agricultural Experiment Station, New Haven, CT <i>Environmental Protection Seasonal Research Assistant</i> <ul style="list-style-type: none">Identified tick specimens to species, life cycle stage, and engorgement status. Extracted nucleic acid, ran PCR, visualized results using gel electrophoresis, and communicated results to health departments and patients.Studied prevalence of co-infection and presence of Rickettsial endosymbionts in <i>Ixodes scapularis</i> in Connecticut, USA.	10/2017-10/2018
Itasca Biological Station and Laboratories, Park Rapids, MN <i>Research Assistant</i> <ul style="list-style-type: none">Collected blood and fecal samples, measurements, and observational data on eastern blue birds and tree swallows in over 150 nest boxes.Independently ran ELISA tests to analyze antibody response to <i>Protocalliphora</i> antigen.	summer 2016/2017
Ornithology Teaching Assistant <ul style="list-style-type: none">Utilized lectures, media, and guided tours to educate students about field ornithology.Developed, administered, and collected exams, quizzes, and projects in a timely manner.	summer 2017
Truckers and Turnover, University of Minnesota- Morris, Morris, MN <i>Undergraduate Research Assistant</i> <ul style="list-style-type: none">Merged and cleaned large, complex multi-year medical claim datasets to analyze healthcare costs	07/2014-07/2017

- associated with obstructive sleep apnea in commercial drivers using STATA software.
- Streamlined data analysis process by creating dynamic tables that automatically generated new results.
- Created training videos, PowerPoints, and documents for incoming research assistants.

WORK EXPERIENCE

Community Forge , Pittsburgh, PA <i>Public Health Panel Consultant</i>	08/2020-08/2021
<ul style="list-style-type: none"> Developed weekly COVID-19 reports to the Community Forge staff and business owners. Advised small business owners working with Community Forge on a variety of COVID-19 related health and public safety issues. 	
Yale School of Public Health , New Haven, CT <i>Immunology for Epidemiologists Teaching Fellow</i>	08/2018-12/2018
<ul style="list-style-type: none"> Lead weekly discussion sections related to immune-epidemiological topics. Held weekly office hours and review sessions prior to exams. 	
Concordia Language Villages , Bemidji, MN <i>Camp Counselor</i>	summer 2014
<ul style="list-style-type: none"> Developed interactive daily work plans to teach students grades 2 through 12 the Russian language and Russian culture. 	

PRESENTATIONS

Knowledge Based Community Meeting (KBCM) 54th monthly seminar series , Pittsburgh, PA. PowerPoint presentation, "Influenza Relative Vaccine Effectiveness (rVE) Observational Studies: Methodology & Literature Review"	2021
2021 MIDAS Network Annual Meeting , Pittsburgh, PA. Poster presentation, "An actionable Reproducibility tool for infectious disease modeling studies"	2021
Epidemiology Microbial Diseases Research Day , New Haven, CT. PowerPoint presentation, Prevalence of Infection and Co-Infection and Presence of Rickettsial Endosymbionts in Ixodes Scapularis (Acari: Ixodidae) in Connecticut, USA.	2019
Connecticut Entomology Society Student Competition , Mansfield, CT. PowerPoint presentation, "Spatiotemporal Dynamic of Infection in Human-parasitizing <i>Ixodes scapularis</i> (Acari: Ixodidae)"	2018
Central Connecticut State University Biology Internship and Career Fair , New Britain, CT, PowerPoint presentation, "New Threats and Old Enemies: Dynamics of Vector-Host-Pathogen Interactions and the Emergence of Vector-borne Diseases in the USA"	2018
Senior Biology Capstone Presentation , Morris, MN. Capstone presentation, "Role of Aryl Hydrocarbon Receptor-interacting Protein in the Development of Pituitary Adenomas"	2017
University of Minnesota – Morris Undergraduate Research Symposium , Morris, MN. Poster presentation on medical and pharmaceutical costs associated with comorbidities of obstructive sleep apnea commercial drivers.	2016
Lifesavers National Conference on Highways Safety Priorities , Long Beach, CA. Poster presentation on the difference in medical costs associated with OSA in commercial drivers.	2016
University of Minnesota – Morris Science and Math Division Poster Presentation , Morris, MN. Poster presentation on the differences in medical costs associated with OSA in commercial drivers.	2015

VOLUNTEERING

Neighborhood Resilience Project , set up a new, free health clinic in Pittsburgh, PA managed patient data, and helped provide un-insured patients with primary, behavioral, and dental care.	01/2020-04/2020
Neighborhood Health Project Coordinator , oversaw a clinic that provides weekly blood pressure and blood glucose level checks and lifestyle counseling for those seeking low-cost care.	2018-2019

YSPH- Epidemiology of Microbial Diseases (EMD) Research Day Committee Member , assisted in planning the 2018 EMD research day which exhibits second year MPH, PhD, and post-doctoral oral capstone presentations.	2018
Morris Campus Ambassador , represented and advocated for UMM while giving tours to prospective students.	2014-2017
Stevens Community Medical Center Volunteer , attended to patient comfort care measures and discharged patients after surgery.	2014-2016

PUBLISHED MANUSCRIPTS

Garcia-Calavaro C, Harrison Lee, **Pokutnaya D**, Mair C, Brooks M, van Panhuis W. 2022. North to south gradient and local waves of influenza in Chile. *Scientific Reports*.

Pokutnaya D, Shirzadi MR, Salari E, Goudarz. 2020. Cutaneous Leishmaniasis during Pregnancy, Preterm Birth, and Neonatal Death: A Case Report. *Iranian Journal of Parasitology*.

Pokutnaya D, Goudarz M, Weinberger DM, Vossbrinck CR, Diaz AJ. 2020. Prevalence of Infection and Co-Infection and Presence of Rickettsial Endosymbionts in Ixodes Scapularis (Acari: Ixodidae) in Connecticut, USA. *Journal of Parasitology*.

Burks S, Anderson J, Haider R, Ginader T, Sandback N, **Pokutnaya D**, Toso D, Hughes N, Haider H, Brockman, R, Toll A, Solberg N, Eklund J, Cagle M, Hickman J, Mabry E, Berger M, Czeisler Charles, Kales S. 2019. Employer-Mandated Obstructive Sleep Apnea Treatment and Healthcare Cost Savings Among Truckers. *Sleep*.

Garb K, Hill B, Hurlbert J, Ingram M, Parker A, **Pokutnaya D**, Whitworth T, Knutie S. 2019. Host Tolerance and Resistance to Parasitic Nest Flies Differ Across Avian Species. *The Wilson Journal of Ornithology*.

MANUSCRIPTS IN PRESS

Pokutnaya D, Loiacono M, Booth H, Ma C, Parker J, Circout H, Farrow S, Nealon J. 2021. The impact of high-risk conditions on influenza and pneumonia diagnoses in England: a nationally representative study from 2010-2019.

Garcia-Calavaro C, Harrison L, **Pokutnaya D**, Brooks B, Mair C, van Panhuis W. 2021. Influenza-like illness and laboratory surveillance timing: A cross-wavelet analysis in 25 Chilean hospitals" to Pathogens and Global Health. *Pathogens and Global Health*.

AWARDS/SCHOLARSHIPS

Two-time Morris Academic Partners recipient , awarded \$3,000 to assist to study the healthcare costs associated with OSA in commercial drivers.	2016
Scholar of the College , award given to students who demonstrated distinguished contributions to research in an academic discipline.	2015
Undergraduate Research Opportunities Program Award recipient , awarded \$1,500 to research the healthcare costs associated with OSA in commercial drivers.	2015
Lifesavers Conference Traffic Safety Scholarship , awarded \$1,000 to present research at Lifesavers Conference on Highway Safety Priorities in Long Beach, CA.	2015
Morris Scholar Award , \$26,500 competitive award given to incoming freshman.	2013

KEY SKILLS

Computer: R, STATA, SAS, GitHub, Python, Java, ArcGIS
 Languages: Russian (proficient)