PAHRIYA ASHRAP (PAHELIYA AIXILAFU)

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EDUCATION

University of Michigan School of Public Health – Ann Arbor, MI *Expected 2021*

Doctor of Philosophy (Ph.D.) in Environmental Health Sciences

Harvard T.H. Chan School of Public Health – Boston, MA

Master of Science (M.S.) in Environmental Health *Aug 2015 –May 2017*

- Cumulative GPA: 3.94/4.0
- Program: Environmental Exposure, Epidemiology & Risk Assessment

College of Urban and Environmental Sciences, Peking University (PKU) – Beijing, China *Sep 2011 – July 2015*

Bachelor of Science in Environmental Science

- Cumulative GPA: 3.5/4.0

RESEARCH EXPERIENCE

Graduate Research Assistant –University of Michigan School of Public Health – Ann Arbor *Sept 2017 – present*

PI: Prof. John Meeker

- Conducted independent project: "In Utero and Peripubertal Metals Exposure in Relation to Reproductive Hormones and Sexual Maturation"
- Conducted independent project and published paper, entitled: "Elevated concentrations of urinary triclocarban, phenol, and paraben among pregnant women in northern Puerto Rico: predictors and trends"
- Data Analysis of the project: "Distributions and Predictors of Urinary Phthalates and Phthalate Replacements Levels among Pregnant Women in Puerto Rico"
- Investigate the reproductive effects of metal exposure among pregnant women in Puerto Rico
    - Identified the predictors (demographic characteristics, personal care product use) of prenatal metal exposure
    - Characterized the relationships between metals exposure and markers of oxidative stress
    - Exploring the association between prenatal metal exposure and birth outcomes (preterm birth, birth weight)

Graduate Research Assistant – Harvard T.H. Chan School of Public Health, Boston *May 2016 – May 2017*

PI: Prof. Elsie Sunderland

- Conducted independent project: "the Analysis of Nutritional Modifiers of Methylmercury Uptake"
    - Compared dietary data and biomarkers of all frequent-fish consumers across multiple cohorts, including Nurse's Health Study I
    - Used Hg isotope signatures of biomarkers to evaluate potential dietary recall
    - Conducted statistical analysis to elucidate potential food modifiers for reducing MeHg absorption

Graduate Research Assistant – Harvard T.H. Chan School of Public Health, Boston *July 2016 – Sept 2016*

PI: Prof. Joel Schwartz

- Co-investigated "Meta-Analysis of the association between exposure to air pollution from traffic sources and cognition"

- Compiled studies for meta-analysis from databases (Pubmed, Embase, Environmental Index, Web of Science) that met inclusion criteria.
- Systematically reviewed selected articles and extracted data for the analysis

Undergraduate Research Assistant –Key Laboratory for Earth Surface Processes, Peking University *Jan 2013 – June 2015*

PI: Prof. Yi Wan

- Published paper: "Pathway Discovery of a Widespread Metabolic Pathway within and among Phenolic Xenobiotics"
  - Established methods for in vitro metabolism of Triclosan (TCS) in various species, including humans
  - Developed simultaneous analytical method for TCS and its metabolites on GC-MS and UPLC-QTOf-MS.
  - Identified the biotransformation products of TCS responsible for the CAR activities and liver toxicities.

PUBLICATIONS

Ashrap, P., Watkins, D., Calafat, AM., Ye, X., Rosario, Z., Brown, P., Vélez-Vega, CM., Alshawabkeh, A., Cordero, JF., Meeker, JD., 2018. Elevated concentrations of urinary triclocarban, phenol, and paraben among pregnant women in northern Puerto Rico: predictors and trends. *Environmental International.*

Ashrap, P., Zheng, G., Wan, Y., Li, T., Hu, W., Li, W., Zhang, H., Zhang, Z. and Hu, J., 2017. Discovery of a widespread metabolic pathway within and among phenolic xenobiotics. *Proceedings of the National Academy of Sciences*, p.201700558.

PRESENTATIONS

Ashrap, P., Watkins, D., Sánchez, BN., Téllez-Rojo, MM., Tamayo-Ortiz, M., Peterson, KE., Meeker, JD., 2018. In utero and peripubertal metals exposure in relation to reproductive hormones and sexual maturation in girls. Oral presentation at the International Society for Environmental Epidemiology Annual Meeting. August 27. Ottawa, Canada.

Ashrap, P., Watkins, D., Calafat, AM., Ye, X., Rosario, Z., Brown, P., Vélez-Vega, CM., Alshawabkeh, A., Cordero, JF., Meeker, JD., 2018. Predictors of urinary phenol and paraben concentrations among pregnant women in northern Puerto Rico. Poster presentation at the International Society for Environmental Epidemiology Annual Meeting. August 26. Ottawa, Canada.

Ashrap, P., Watkins, D., Calafat, AM., Ye, X., Rosario, Z., Brown, P., Vélez-Vega, CM., Alshawabkeh, A., Cordero, JF., Meeker, JD., 2018. Predictors of urinary phenol and paraben concentrations among pregnant women in northern Puerto Rico. Poster presentation at the 2018 Annual Meeting of the NIEHS Superfund Research Program (SRP). November 28. Sacramento, US.

WORK EXPERIENCE

Instructor – Ijtahat Education, Urumqi, China *May 2017 – July 2017*

- Taught Chinese high school mathematics on Ijtihat online education: http://ijtihat.com/

Lecturer– Qarluq Education Department at Qarluq Media Tech Co., Ltd, Urumqi, China *July 2017 – August 2017*

- Gave lectures on the application of Computer Science and Biostatistics in Public Health

President- Western Region's Culture Communication Association, Peking University, Beijing *Mar 2013- Sept 2014*

- Created PKU Minority (Uyghur) Mother-tongue Learning Group, taught Uyghur in a weekly corner
- Organized lectures and film screenings about western region's culture
- Founded the first and second "Peking University Minority Ethnic Culture Festival" (2013, 2014)
- **Awarded top 10 Student Association at Peking University**

Volunteer Teacher- Volunteer Team of Peking University, Beijing *Mar - July 2012*

- Taught English and handwork classes in a school for children of migrant workers

Volunteer and Journalist- Xinjiang Yarp Anti-Drug and AIDS Prevention Network, Beijing *Sept 2008 – present*

- Participated in anti-drug and AIDS prevention campaigns and investigations
- Translated anti-drug and AIDS prevention articles from Chinese to Uyghur and uploaded for a bilingual website

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MENTORING EXPERIENCE

Nicholas Miller Senior Student, University of Michigan School of Public Health *Sept 2018 – present*

Yvonne Wu Junior Student, University of Michigan School of Public Health *Sept 2017 – May 2018*

Nuha Mahmood Junior Student, University of Michigan School of Public Health *Sept 2017 – May 2018*

Halimat Olaniyan Junior Student, University of Michigan School of Public Health *Sept 2017 – May 2018*

Kofoworola Onagbola Master in Public Health, Harvard T.H.Chan School of Public Health *Aug 2016 – May 2017*

Qianxin Gu Master of Science, Harvard T.H.Chan School of Public Health *Aug 2016 – May 2017*

MEMBERSHIPS

Student Ambassador, University of Michigan School of Public Health *Sept 2017 – present*

Recruitment Chair, Public Health Sustainability Initiative *Aug 2017 – present*

Michigan Women in Health Leadership *Aug 2017 – Sept 2018*

Women in Leadership Organization in Harvard T.H. Chan School of Public Health *Sept 2015 – June 2016*

Harvard Chinese Students and Scholars Association (HCSSA) *Sept 2015 – Mar 2016*

"Forest Song" Environmental Group in Peking University *Mar 2012- Sept 2014*

The Volunteer Team of Peking University, Beijing *Mar 2012 - June 2013*

HONORS & AWARDS

Rackham International Student Fellowship *Dec 2018*

Rackham Graduate Student Research Grant *Oct 2018*

Rackham Conference Travel Grant *July 2018*

Victor and William Fung Fellowship, Harvard University *June 2016*

Leslie Silverman Fund, Harvard T.H. Chan School of Public Health *July 2016*

First Prize Winner in 2014 Annual Undergraduate Research, Peking University (Top 1) *Oct 2014*

Tie Han Scholarship, Peking University (top 4%) *Sept 2014*

Wusi Fellowship, Peking University (top 4%) *Sept 2013*

First Prize Scholarship, Peking University *Dec 2011*

Outstanding Volunteer, Xinjiang Yarp Anti-Drug and AIDS Prevention Network *Aug 2011*

Ranked 1st in 2011 National Higher Education Entrance Examination, Xinjiang China Jun 2011

SKILLS

Languages: Fluent in English, Uyghur (native), and Chinese (native). Basic knowledge of Turkish, Arabic

Lab: Solid-phase extraction, Column Chromatography, *In vitro* Metabolism, GC-MS, LC-MS, UPLC-QTOF-MS, DNA/RNA Extraction and Purification, PCR, RT-PCR, DNA Electrophoresis, Microbial Cultivation, Fish Dissection, DMA

Computer: R, SAS, STATA, SPSS, GraphPad Prism, Primer Premier, MarkerLynx, Masslynx, Unix/Linux, Microsoft Office, BMDS, Origin, Analytica

Interests: Table Tennis, Ballroom Dances, Zumba, Swimming, Yoga