

Anu Joshi

(860) 656-8839 | anu.joshi@caa.columbia.edu
<https://www.linkedin.com/in/anujoshi/>

SKILLS

Computer Languages	R, SAS
Software & Tools	SQL, Tableau, LaTeX, MS Office Suite (Word, Excel, PowerPoint)
Research Administration	Grant Writing, Proofreading, IRB documentation

EDUCATION

Columbia University, Mailman School of Public Health	New York, NY
MS in Biostatistics, Statistical Genetics	Aug 2016 – May 2018
<i>Relevant Coursework:</i> Data Mining, Linear Regression Models, Advanced Statistical and Computational Methods in Genomics, Statistical Inference, Randomized Clinical Trial, Statistical Genetic Modeling	
Saint Peter's University	Jersey City, NJ
BS in Biotechnology, <i>summa cum laude</i>	Aug 2008 – May 2012
Honors Thesis: Reversal of Adipose differentiation <i>in vitro</i>	

RELEVANT EXPERIENCE

Icahn School of Medicine at Mount Sinai Hospital	New York, NY
Biostatistician, Environmental Medicine & Public Health	Nov 2018 – <i>current</i>
<ul style="list-style-type: none">Responsible for assessing raw data, preparing data for processing, building statistical models, and interpreting dataPrepared reports and data visualizations for key stakeholdersDeveloped and implemented a pipeline for cleaning and preprocessing metabolomics dataCritically reviewed and summarized statistical analysis methods described in the literature; implemented methods described in the statistical literature by using appropriate statistical programming methods, and applied biostatistics to standard and complex research studiesCollaborated with multiple research investigators on a projects related to pregnancy metabolome	

HITLAB

Data Analytics Intern	New York, NY May 2017 – Jul 2018
<ul style="list-style-type: none">Analyzed patient care outcomes using healthcare device data in RCreated Statistical Analysis Plan (SAP) for innovative healthcare technology devicesInterfaced with clients to discuss statistical needs and present analysis reportsModerated a panel on 'The Future of Big Data and Data Analytics' at the 2017 HITLAB Innovators Summit in New York, NY	

Baystate Medical Center

Clinical Research Coordinator, Center for Quality of Care Research (CQCR)	Springfield, MA May 2014 – Jun 2016
<ul style="list-style-type: none">Led grant application processes; including writing, editing, creating budgets, submissions that resulted in successful funding of multiple NIH grants for 5 clinical PIsAssisted in writing and submitting 20+ manuscripts published in peer-reviewed healthcare journalsCreated CQCR budget projections for 2014, 2015, and 2016; maintained spreadsheets to ensure proper allocation of expensesCreated detailed documents for IRB and HIPAA compliance reviewsManaged 3 Research Assistant and 2 Summer Interns	

PUBLICATIONS

Colicino, E., Ferrari, F., Cowell, W., Niedzwiecki, MM., Foppa Pedretti, N., Joshi, A., Wright, RO., Wright, R.J. Non-linear and non-additive associations between the pregnancy metabolome and birthweight. *Environment International*. 56. November 2021. <https://doi.org/10.1016/j.envint.2021.106750>

Niedzwiecki, MM., Eggers, S., Joshi, A., Dolios, G., Cantoral, A., Lamadrid-Figueroa, H., Amarasiriwardena, C., Téllez-Rojo, MM., Wright, RO., Petrick, L. Lead exposure and serum metabolite profiles in pregnant women in Mexico City. *medRxiv*. June 2021 <https://doi.org/10.1101/2021.06.03.21258309>

Colicino, E., Cowell, W., Bozack, A., Foppa Pedretti, N., Joshi, A., Niedzwiecki, MM., Bollati, V., Berin, C., Wright, RO., Wright, R.J. Association between prenatal immune phenotyping and cord blood leukocyte telomere length in PRISM pregnancy cohort. *Environmental Research*. August 2020. <https://doi.org/10.1016/j.envres.2020.110113>

CONFERENCE ABSTRACTS

1. Niedzwiecki MM, Joshi A, Just AC, Kloog I, Colicino E, Solano González M, Martínez-Medina S, Schnaas L, Téllez-Rojo MM, Wright RJ, Wright RO, and Petrick, L. Untargeted metabolomic profiles of air pollution exposure during pregnancy and postpartum depression risk: a pilot study. 2020 ISEE Conference Abstract. October 16, 2020. <https://ehp.niehs.nih.gov/doi/10.1289/isee.2020.virtual.O-OS-574>
2. Colicino E., Cowell W., Foppa Pedretti N., Joshi A., Niedzwiecki MM., Bollati V., Berin C., Wright RJ., and Wright RO. Association between mid-pregnancy immune phenotyping and cord blood telomere length: PRISM pregnancy cohort. 2020 ISEE Conference Abstract. October 16, 2020. <https://ehp.niehs.nih.gov/doi/10.1289/isee.2020.virtual.P-1098>
3. Mateo, K., Goldsher-Diamond, E., Joshi A., Kumar P., Pugliese L., and Kachnowski, S. Access and interoperability in a usability and feasibility study utilizing a mobile application, actigraphy wearable, and Bluetooth scale. APHA 2018 Annual Meeting and Expo, November 12, 2018. <https://apha.confex.com/apha/2018/meetingapp.cgi/Paper/406507>
4. Goldsher-Diamond E., Joshi A., Gutermuth, C., Pugliese, L., Kumar, P., and Kachnowski, S. Assessing the usability, acceptability, and perceived value of a type 2 diabetes management mobile application. APHA 2018 Annual Meeting and Expo, November 13, 2018. <https://apha.confex.com/apha/2018/meetingapp.cgi/Paper/406748>

PROFESSIONAL ACTIVITIES

Moderated a panel on “The Future of Big Data and Data Analytics”. 2017 HITLAB Innovators Summit. New York, NY. November 30, 2017