

APARAJITA KASHYAP

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EDUCATION

Columbia University Department of Biomedical Informatics
Doctor of Philosophy (PhD) New York, NY
September 2022-Present

Johns Hopkins University Baltimore, MD
Bachelors of Arts (BA) in Biophysics May 2022
Minors: Applied Mathematics and Statistics, Space Science and Technology

RESEARCH EXPERIENCE

Columbia University September 2022-Present
Graduate Researcher, Department of Biomedical Informatics

Johns Hopkins University November 2019-August 2022
Undergraduate Researcher, Department of Physics and Astronomy & Department of Biophysics
Advisor: Brian Camley, PhD
Departmental Honors Thesis: Optimization of Concentration Sensing in a Dynamic Environment

Memorial Sloan Kettering Cancer Center June 2021-August 2021
Computational Biology Summer Intern
Advisor: Christina Leslie, PhD

Johns Hopkins University Applied Physics Laboratory April 2020-June 2021
CIRCUIT Intern
Supervisor: Hannah P. Cowley, William Gray-Roncal

Johns Hopkins University School of Medicine February 2019-May 2020
Undergraduate Researcher, Department of Otolaryngology
Advisor: Mark Shelhamer, PhD

PUBLICATIONS

1. Cowley HP, Robinette MS, Matelsky JK, Xenos D, **Kashyap A.**, Ibrahim NF, Robinson ML, Zeger S, Garibaldi BT, Gray-Roncal W. Using machine learning on clinical data to identify unexpected patterns in groups of covid-19 patients. *Scientific Reports*, 13(1). February 2023. <https://doi.org/10.1038/s41598-022-26294-9>

PRESENTATIONS

1. **Kashyap A**, Aziz M, Sun TY, Lipsky-Gorman S, Opoku-Anane J, Elhadad N. Investigating racial inequality in drug prescriptions for patients with endometriosis. Oral Presentation. World Congress on Endometriosis. Edinburgh, UK; 05/2023.
2. **Kashyap A**, Camley B. Tradeoffs in concentration sensing in dynamic environments. Oral Presentation. Johns Hopkins University Biophysics Undergraduate Research Festival. Baltimore, MD; 05/2022

POSTERS

1. **Kashyap A**, Aziz M, Sun TY, Lipsky-Gorman S, Opoku-Anane J, Elhadad N. Investigating racial inequality in drug prescriptions for patients with endometriosis. Oral Presentation. National Library of Medicine T15 Training Conference. Stanford University; 06/2023.
2. **Kashyap A**, Sun TY, Elhadad N. Data-driven identification of symptoms of interest in the early detection of endometriosis. World Congress on Endometriosis. Edinburgh, UK; 05/2023.
3. Ashiru O*, **Kashyap A***, Koroma F*, Ibrahim N, Liu E, Robinette M, Cowley HP, Gray-Roncal W. Generalizable precision medicine tools for patient cohort discovery and visualization. Johns Hopkins University DREAMS Symposium. Baltimore, USA; 04/2021
4. Tang S, Chandra V, **Kashyap A**, Kilburn W, Spencer C, Yaovatsakul K, Nguyen J, Roberts D, Shelhamer M. Multivariate analysis of human health and performance in an acute spaceflight simulation. NASA Human Research Program Investigator's Workshop. Galveston, USA; 01/2020
5. Tang S, Tan M, Chandra V, **Kashyap A**, Kilburn W, Roberts D, Shelhamer M. Vestibular and postural assessment device and methods. NASA Human Research Program Investigator's Workshop. Galveston, USA; 01/2020

* Co-first author

LEADERSHIP AND SERVICE

Justice Informatics Group

Member, September 2022-Present

Mission: Identify existing methods and research gaps for justice-oriented research in biomedical informatics