• **Name:** Ece Uzun, MS,PhD

• **Current Position & Affiliation:** Associate Professor of Pathology and Laboratory Medicine, Brown University Alpert Medical School, Providence, RI, USA

• **Country:** USA

• **Educational Background:**

PhD, Chemical Engineering, Northeastern University, USA
M.Sc, Biological Sciences and Bioengineering, Sabanci University, Turkey.
B.S, Chemical Engineering, Istanbul Technical University, Turkey

• **Professional Experience:**

Associate Professor 2024-Present
Department of Pathology and Laboratory Medicine
Brown University

Founding Director of Clinical Bioinformatics 2016-Present
Brown University Health
Department of Pathology and Laboratory Medicine

Deputy Director 2023-Present
Brown Center for Clinical Cancer Informatics and Data Science

Editor-in-Chief 2023-Present
JMIR Bioinformatics and Biotechnology

Assistant Professor 2016-2024
Department of Pathology and Laboratory Medicine
Brown University

Postdoctoral Research Fellow 2010-2016
Brown University

• **Professional Organizations:**

American Medical Informatics Association (AMIA)
- Chair, AMIA Genomics and Translational Bioinformatics Working Group
- Chair, Women in AMIA Career Development Subcommittee
- Vice Chair, AMIA Informatics Summit 2025 Scientific Program Committee

International Association for Intelligent Biology and Medicine
- Chair, International Conference on Intelligent Biology and Medicine (ICIBM)

2024 Scientific Program Committee

Artificial Intelligence in Medicine

Chair, Artificial Intelligence in Oncology Workshop, International Conference on Artificial Intelligence in Medicine (AIME) 2024

Senior Program Committee Member, International Conference on Artificial Intelligence in Medicine (AIME) 2024

American Society of Human Genetics

• Main Scientific Publications:

1. Ahn, B, Chou, Ch, Chou, Ca, Chen, J, Zug, A, Baykara, Y, Claus, J, Hacking SM, Uzun, A[#], Gamsiz Uzun, ED[#], "Atlas of Protein-Protein Interactions in Cancer, *Nucleic Acid Research Cancer*, 2025, 7(1)
2. Patricoski-Chavez, JA, Nagpal, S, Singh, R, Warner, JL, Gamsiz Uzun, ED, "LUNAR: A Deep Learning Model to Predict Glioma Recurrence Using Integrated Genomic and Clinical Data", 2025, *AMIA Informatics Summit Proceedings* (under review in *Communications Medicine*)
3. Baykara, Y, Chou, C, Hacking, S, Amin, A, Cheng, L, Uzun, A, Gamsiz Uzun, ED, "Distinct protein-protein interactions define papillary and non-papillary urothelial carcinoma architectures", *JMIR Preprints* (under review in *JMIR Bioinformatics and Biotechnology*)
4. Wu, Q, Morrow EM, Gamsiz Uzun, ED, A deep learning model for prediction of autism status using whole-exome sequencing data, *PLOS Computational Biology*, 2024, 20(11),
5. VanHelene, AD, Khatri, I, Hilton, CB, Mishra, S, Gamsiz Uzun, ED, Warner, JL, Inferring Gender from First Names: Comparing the Accuracy of Genderize, Gender API, and the gender R Package on Authors of Diverse Nationality, *PLOS Digital Health*, 2024, 3(10)
6. Li, J, Yang, A , Carneiro, BA , Gamsiz Uzun, ED , Massingham, L , Uzun, A. Variant Graph Craft (VGC): A Comprehensive Tool for Analyzing Genetic Variation and Identifying Disease-Causing Variants, *BMC Bioinformatics*, 2024, 25:288
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9. Lizarraga, SB, Maguire AM, Ma L, van Dyck, LI, Wu, Q, Nagda, D, Livi, LL, Pescosolido, MF, Schmidt, M, Alabi, S, Cowen, MH, Brito-Vargas, P, Hoffman-Kim, D, Gamsiz Uzun, ED, Schlessinger, A, Jones, RN, Morrow, EM, "Human neurons from Christianson syndrome iPSCs reveal allele-specific responses to rescue strategies", *Science Translational Medicine*, 2021, 13(580)
10. Howard, M, Kane, B, Lepry, M, Stey, P, Ragevandran, A, Gamsiz Uzun, ED, "VarStack: a Web Tool for Data Retrieval to Interpret Somatic Variants in Cancer", *Database*, 2020, Volume 2020