Ranit Aharonov, PhD
CTO

Dr. Ranit Aharonov is the Chief Technology Officer at Pangea Biomed, a molecular science company that is expanding the boundaries of precision oncology through deep analysis of genome-scale expression patterns. Pangea developed a deep multi-omics tumor analysis platform that translates cancer big data into actionable molecular signatures.

Dr. Aharonov was previously the manager of the Project Debater team at IBM Research based in Israel. Project Debater is the first AI system capable of debating humans on complex topics. Project Debater successfully engaged in a live debate with a human debate champion in a public demonstration in 2019 in San Francisco, attracting highly positive worldwide attention.

Prior to joining IBM, Dr. Aharonov was the vice president of Research and Development at Rosetta Genomics, a biotechnology company focused on developing and commercializing next generation diagnostic tests for personalized medicine, based on the expression profiles of microRNAs in clinical samples.

Dr. Aharonov received her Ph.D. from the Hebrew University of Jerusalem in 2003, where she conducted research in the theory and simulation of learning in artificial neural networks. She is the co-author of more than 45 articles in refereed journals and conference, including in Nature, Nature Genetics, Nature Biotechnology and Nature Communications. On a lighter note, Dr. Aharonov traveled extensively, and worked in various places across the globe, including spending a season working on a commercial fishing boat in Alaska.