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Dr. Tuncbag is an associate professor at Koç University jointly in the Department of Chemical and Biological Engineering and School of Medicine. She received her undergraduate degree in Chemical Engineering from Istanbul Technical University, and her master and doctorate degrees from Koç University Computational Sciences and Engineering department. She did her post-doctoral research in Massachusetts Institute of Technology (MIT) Biological Engineering Department between 2010-2014. She carried out her academic studies at Middle East Technical University between 2014-2021. Her work in computational systems biology and bioinformatics has been nationally and internationally recognized by BA-BAGEP, TÜBA-GEBİP, Parlar Foundation, UNESCO-L'Oreal, TÜSEB and TÜBİTAK young researcher awards. She has been a member of the Global Young Academy since 2020 and selected a member of Mediterranean Science Team in 2021. She develops computational approaches to serve in network medicine, network modeling, trans-omic data integration, single cell and bulk omic data analysis, and discovery of latent cancer driver mutations.