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Prof. Özlem Yalçın is Professor of Physiology at Koç University School of Medicine, Director of the Koç University Research Center for Translational Medicine (KUTTAM), and EATRIS National Director for Türkiye. She leads initiatives connecting Türkiye's translational medicine ecosystem with European research infrastructures, advancing interoperability, FAIR data practices, and cross-border collaboration. Her research bridges vascular biology, blood biomechanics, microcirculation, and biomedical engineering, translating insights into next-generation diagnostic and therapeutic technologies. She integrates hemorheology and hemostasis with microfluidics, cell mechanics, and point-of-care platforms to investigate blood-vascular interactions in health and disease. Her multidisciplinary work has produced more than 80 peer-reviewed publications and patented medical innovations. She strengthens translational research infrastructures, biomedical data governance, and Türkiye's integration into the European Research Area.