**Dr. Jihun Rho** is a postdoctoral scholar in the Department of Electrical Engineering at Stanford University. She earned her Ph.D. in Chemistry from Seoul National University, where she developed systematic and materials-based approaches for portable, point-of-care electrochemical sensors. Recognizing the critical role of electronics in personalized biomedical device solutions, her postdoctoral research focuses on leveraging electronic and semiconductor technologies to create self-powered wireless electrochemical sensors. Her work underscores the transformative potential of minimalistic sensors in revolutionizing healthcare, making it more accessible, affordable, and seamlessly integrated into daily life, while laying a foundation for advancing strategies to collect human-oriented molecular biological data.