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Prof. Mohit Kumar

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Dr. Mohit Kumar, currently an Associate Professor at Ajou University in South Korea, explores the fascinating realms of brain-mimicking electronics and light-speed technologies. He commenced his academic journey in India, earning his Ph.D. from the prestigious Institute of Physics (IOP) in Bhubaneswar. After completing his doctorate, Dr. Kumar was awarded a PBC Fellowship at the globally recognized Weizmann Institute of Science in Israel, where he worked on atomic force microscopy-based constrictive lithography for nanoelectronics until 2017. Following his tenure in Israel, Dr. Kumar joined Incheon National University in the Republic of Korea as a postdoctoral fellow, contributing to the development of highly transparent optoelectronics and memory devices until 2019. Currently, at Ajou University, he continues his pioneering work on ultrafast memory devices, neuromorphic devices, and optoelectronic devices.

Throughout his career, Dr. Kumar has led several significant research projects with substantial funding and support from the National Research Foundation and the Ministry of Science and ICT in South Korea. His projects include the development of wafer-scale intelligent sensors and innovative memory devices for neuromorphic computing. In 2023, he was honored with the prestigious Excellent Academic Research Support Project award by the National Research Foundation of South Korea. Other accolades include the Post-doctoral Fellowship at the Weizmann Institute of Science and the L. K. Panda Fellowship for being the gold medalist at the Institute of Physics.