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Prof. Janina Kneipp

Humboldt-Universität zu Berlin, Germany



Janina Kneipp studied biology and physics and received her doctorate from Freie Universität Berlin. After postdoctoral research at Erasmus Universiteit Rotterdam, Princeton University and the Federal Institute for Materials Research and Testing (BAM) she was appointed as assistant professor in Analytical Chemistry at Humboldt-Universität zu Berlin in 2008, and as full professor (W3) in Physical Chemistry at HU in 2012. In her research specializing in optical nanospectroscopy, she uses surface-enhanced Raman scattering to better understand the local molecular structure and interaction in complex biological samples, such enzyme catalysis in live cells. She has developed multimodal multiphoton microspectroscopy, specifically surface enhanced hyper Raman scattering to probe molecules and materials, and contributed to elucidating mechanisms in plasmon-driven catalysis and electron harvesting. She received the 2010 Bunsen-Kirchhoff Award of the German Association of Chemists (GDCh), the 2019 Caroline von Humboldt Professorship of HU, and was elected as Fellow of the European Academy of Sciences in 2020. Janina Kneipp serves as editorial co-chair of Analysis & Sensing (ChemistryEurope) and as associate editor of the Journal of Raman Spectroscopy.