Dr. Christine Kranz received her M.S. and Ph.D. degrees in Chemistry from Ludwig-Maximilians University in Munich (1992) and Technical University of Munich (1996), Munich, Germany, respectively. After spending a year as a postdoctoral fellow at Vienna University of Technology, Institute of Analytical Chemistry (Austria), she accepted a position at the School of Chemistry and Biochemistry, Georgia Institute of Technology, Atlanta, where she is was appointed to senior research scientist (until June 2008). Since 2005 she is also member of the Center for Cell and Molecular Signaling at Emory University, School of Physiology. From February 2006 until December 2007 she was chief operator and manager of the FIB^2 Center, with her research focusing on Focused Ion Beam (FIB)-based microfabrication. In July 2008, she has accepted a permanent position at the University of Ulm, Institute of Analytical and Bioanalytical Chemistry (IABC), Ulm, Germany, where she is heading the surface sciences group and coordinates the biosensing research activities at the IABC. In addition, she is the Scientific Coordinator of the Focused Ion Beam Center UUlm, which was established at the IABC in 2008. Her main research focus is in the field of scanning probe microscopy in particular scanning electrochemical microscopy (SECM), multifunctional scanning probes (e.g. combination AFM- SECM, IR-SECM, IR-AFM), and miniaturized amperometric biosensor technology, integrated microsystems, biomimetic sensors, and (FIB)-based microfabrication. In addition her interests focus on the development of novel multifunctional scanning micro- and nanoprobe concepts, surface modification, and characterization with scanning probe techniques in biomedical applications. She has authored 9 Patents (2 national patents, Austria and 7 PCT Int. Appl.), more than 65 publications in internationally reviewed journals, and more than 100 lectures and posters presented at international and national conferences. Since January 2012, Dr. Kranz is member of the Editorial Board of Frontiers in Renal and Epithelial Physiology.