

Jessica C. Ramella-Roman

PROFESSIONAL EXPERIENCE

Jessica C. Ramella-Roman received an Electrical Engineering degree (Laurea) from the University of Pavia, Italy in 1993 and worked for five years in the semiconductor industry.

She returned to academia in 1999 to pursue a Ph.D. degree in bio-optics with Dr. Steve Jacques and she received a Master's and Ph.D. degree in Electrical Engineering from Oregon Health Science University in Portland, Oregon in 2004.

She was a Post Doctoral Fellow at the Applied Physics Laboratory of the Johns Hopkins University from 2004 to 2005. She became Assistant Professor at The Catholic University of America in 2005 and Associate Professor with Tenure in 2010.

Since 2013, she is an Associate Professor with Tenure at Florida International University, in the Biomedical Engineering Department and an Associate Professor on the Research Scientist Track in the Department of Cellular Biology and in the Department of Ophthalmology.

She maintains curtesy appointments with the National Rehabilitation Hospital in Washington DC and Johns Hopkins University Department of Medicine-Division of Gastroenterology.

Her research focuses on the development of imaging modalities based on spectroscopy and polarization including multimodal applications of nonlinear microscopy. She became SPIE Fellow in 2018.