



Innovating 2017 - Speakers' Biographies

Jeffrey Albaugh, PhD, APRN, CUCNS

Dr. Albaugh is a board certified Advanced Practice Urology Clinical Nurse Specialist who is the Director of Sexual Health at NorthShore University Health System. He specializes in treating men and women with sexual dysfunction, as well as helping men improve quality of life after prostate cancer treatment in terms of erectile function and continence. He is an internationally recognized speaker and expert in the area of sexual health who has spoken all over the United States and in Italy, Scotland, England, Spain, New Zealand and Australia. He completed his PhD in research at the University of Illinois in Chicago. Dr. Albaugh has been involved in a variety of research initiatives and received NIH funding for his research examining the impact of treatment for erectile dysfunction on quality of life. He received his Masters of Science from North Park University and his Bachelor of Science from DePaul University. He is an award winning author who has published over 25 articles, booklets and/or chapters and a book, *Reclaiming Intimacy after Prostate Cancer Treatment*. Dr. Albaugh has been quoted in many publications including the *New York Times*, *The Chicago Tribune Red Eye* and on CBS Chicago Channel 2 News and WGN News. Dr. Albaugh was awarded two separate Nursing Excellence Awards, as well as the Patients First Award for exceptional patient care at Northwestern Memorial.

Donna Zimmaro Bliss, PhD, RN, FAAN

Dr. Bliss is a Professor at the University of Minnesota, School of Nursing in Minneapolis, MN. She is a Horace T. Morse-University of Minnesota Alumni Association Distinguished Teacher and Fellow of the American Academy of Nursing. Dr. Bliss is the current Director of the Center for Clinical Investigation of the WOCN Society and section editor of the Spotlight on Research section of *Journal of Wound Ostomy and Continence Nursing*. She is the nurse member of the Educational Committee of the International Continence Society and Chair-elect of the Health Sciences section of the Gerontological Society of America. Dr. Bliss's research focuses on incontinence and incontinence associated dermatitis. She recently completed a clinical trial investigating the effect of dietary fiber to reduce fecal incontinence. She is currently funded by the National Institute for Nursing Research for two studies: one is investigating whether there are ethnic and racial disparities in the incidence, prevention and management of incontinence, and skin damage in nursing home residents, and the factors associated with those disparities; the second is identifying the literacy and care needs of

family/friend caregivers of individuals with dementia related to incontinence and skin damage management. She co-developed an instrument to identify incontinence associated dermatitis and was one of the developers of the FIQL. Dr. Bliss was an investigator on a systematic review of prevention of urinary and fecal incontinence that was presented as an NIH State of the Science conference and is currently participating in a systematic review of the *C. difficile* infection.

Thatcher R. Cardon, MD, MBA

Dr. Cardon is a Colonel in the United States Air Force and currently serves as commander 47th Medical Group, Laughlin AFB, TX. He is the 1st Place Winner of the NASA "Space Poop Challenge" for his design of space suit hygiene and toileting system. Colonel Cardon graduated from Brigham Young University in 1991. He immediately entered the Air Force and attended medical school at Uniformed Services University of the Health Sciences, and completed Family Medicine residency training at Travis Air Force Base. After a tour as Staff Family Physician at Kadena Air Base, he entered the two-year Madigan Faculty Development Fellowship, earning an MBA with emphasis in Technology and Innovation Management at Pacific Lutheran University. Following his fellowship he was assigned to Travis Family Practice Residency as the Clinic Chief and oversaw a reorganization and expansion of the clinic and residency. During his assignment at Travis he deployed to Balad Air Base, Iraq as the Emergency Department Flight Commander, September 2004. Subsequently Colonel Cardon has worked as Flight Commander, Chief of Aerospace Medicine, Chief of the Medical Staff, Squadron Commander, Deputy Group Commander. He is a private pilot but as Flight Surgeon he has flown 56 combat hours. In addition to Japan, he has served his country in Laos, El Salvador, Iraq, and Spain. Dr. Cardon is a Diplomate, American Board of Family Medicine.

Kevin Connors, MSEE, MBA

Mr. Connors is a founder of Solace Therapeutics, where he was the company's CEO until 2011, and today continues to serve the company on its board of directors. He is an accomplished entrepreneur and venture investor. Mr. Connors has co-founded eight healthcare technology companies, and has had CEO roles in ten. These companies have focused on developing proprietary technology to address large unmet medical needs, such as emphysema, low back pain, cerebral aneurysms, uterine disorders and bladder dysfunction. Prior to founding Spray Venture Partners in 1996, he was the founding CEO of Vesica Medical, a company focused on the surgical treatment of female urinary incontinence. Under his leadership, Vesica realized product sales within 18 months of formation and was acquired by Boston Scientific Corporation in 1995. Prior to Vesica, Mr. Connors led medical device investment activity at DSV Partners in Newport Beach, California. He earned his BSEE from the University of Notre Dame, his MSEE from the University of Dayton, and an MBA from Harvard Business School.

Kevin Connolly

Mr. Connolly is a serial entrepreneur who has spent his career in the medical device industry, including the last fifteen years in urology and women's health. He founded Vesiflo, Inc. in 2012 to further develop and commercialize the inFlow device and

currently serves as their CEO and President. He is also CEO and President of the medical device company Personal Med Corp. Previously, Mr. Connolly was Founder and CEO of SRS Medical Systems, Inc. of Billerica, MA, where he acquired and developed a comprehensive product line for the treatment of incontinence and other voiding disorders, including some of the most innovative urodynamic systems in the industry (SRS Medical is now owned by Schooner Capital). Mr. Connolly has obtained numerous patents, FDA device clearances, has twice presented to the MCAC (Medicare) Executive Committee concerning urology procedures, and he has obtained a CPT Category I reimbursement code. He has personally executed eight acquisitions of bladder-related technologies. Prior to his work with SRS, Mr. Connolly was Founder and CEO of Davicon, Inc. of Burlington, MA, a manufacturer of medical instruments that he sold to a group of private investors.

Alan Cottenden, PhD

Professor Cottenden is the Technical Director of the Continence and Skin Technology Group, University College London, England; a Simon Foundation Advisory Board member; Chair of the Organizing Committee for the biennial “Incontinence: The Engineering Challenge” conferences run by the UK Institution of Mechanical Engineers; and Chair of Committee 20 (Management Using Continence Products) of the WHO International Consultation on Incontinence. Involved in continence technology R&D for over 30 years, Professor Cottenden has engaged in diverse projects from fundamental and applied physical and life sciences research through translational research work, commercial consultancy, product design and development, and international standards work. He has published more than 250 scientific and clinical publications, refereed conference contributions and patents, given over 100 invited lectures, and facilitated and chaired numerous academic, clinical, commercial and charity events in the UK and overseas.

Richard Day, PhD

Dr. Day is a Reader in Regenerative Medicine at University College London, Director of the UCL Applied Biomedical Engineering Group, and Co-Director of the IMPRESS Network. He teaches undergraduate and post-graduate courses involving biomaterials and tissue engineering, and his research interests centre on the interaction between cells and materials. Dr. Day is an interdisciplinary scientist and inventor, focusing on the development of new technologies in gastroenterology, bioprocessing, cardiovascular biology, ophthalmology, and medical devices. Several of his inventions have been patented, and he has translated some of these technologies to the stage of clinical investigation.

Denise DeLuca, PE

Ms. DeLuca is Co-Founder and Director of BCI: Biomimicry for Creative Innovation. She is an author, speaker, educator, and consultant whose career includes years of environmental consulting before taking on the role of Outreach Director during the formative years of The Biomimicry Institute. While living in Europe, she co-founded BCI and was Project Lead for Swedish Biomimetics 3000. More recently, Ms. DeLuca has focused her efforts on developing comprehensive frameworks as well as practical tools

for catalyzing creativity, effective collaboration, and sustainable innovation, using the concepts of biomimicry. She is currently working with BCI and teaching online courses in Creative Leadership and Biomimetic Design as part of the Master of Arts in Sustainable Design program at Minneapolis College of Art and Design.

Mandy Fader, RN, PhD

Professor Fader received her nursing qualification from St. George's Hospital, London in 1980. She began her career in continence with a research post at University College London (UCL) in 1982 and joined the clinical continence team in 1984. In 1995, she returned to research at UCL and worked on a programme of continence product evaluations, completing her PhD in 2001. In 2004, Professor Fader joined the University of Southampton to form the Continence Technology and Skin Health Group (a collaboration with UCL), where she leads a team of researchers focusing on research into continence products and devices and the effects of incontinence on skin health. Dr. Fader is an ex-Trustee of the International Continence Society (ICS), a member of the ICS Nurses' Committee, a committee member for the International Consultation on Incontinence (ICI), an advisory board member for the ICI questionnaire panel, an editor for the Cochrane Incontinence Group, and consulting editor for the *Journal of Wound Ostomy and Continence Nursing*.

Tomas L. Griebing, MD

Dr. Griebing is the John P. Wolf 33rd Masonic Distinguished Professor of Urology at the University of Kansas. He is Professor and Vice-Chair of the Department of Urology; Program Director of the Urology residency training; Faculty Associate in The Landon Center on Aging; and Assistant Dean for Student Affairs and Director of the Orr Academic Medical Society at the University of Kansas School of Medicine. Dr. Griebing is the immediate Past President of the Geriatric Urological Society of the AUA. He completed medical school and his urology residency training at the University of Iowa. He has extensive clinical and research experience in the field of geriatric urology, including work in the long-term care setting, and has published and presented extensively on the topic. Dr. Griebing earned his Master of Public Health (MPH) degree from the University of Kansas. He has been named to the listings of America's Top Doctors® and "America's Top Urologists" consecutively since 2003 and has been named to the listing of "Best Doctors in America" (2011-12).

Mark Harvie, MS

Mr. Harvie is President of Omni Measurement Systems, Inc. Omni is a research and development company specializing in mechanical and electro-mechanical design, biomedical sensors design, and bio-medical research. The company produces an Advanced Mission Extender Device (AMXD), a light-weight, fully-automatic urine collection device for both male and females that is US Air Force Safe to Fly tested and US FDA (Food and Drug Administration) approved. Mr. Harvie's experiences encompass mechanical, manufacturing, and design engineering. Prior to his current position he was the President of International Scale Systems, Inc.

Toby Jenkins, PhD

Dr. Jenkins is Professor of Biophysical Chemistry at the University of Bath. He obtained his PhD in 1996 from the University of Newcastle upon Tyne before taking up a post-doc position at Leeds University, in the department of Molecular Physics working on solid supported lipid bi-layers. He obtained an Alexander-von-Humboldt fellowship to work in the group of Professor Knoll at The Max-Planck-Institute for Polymer Research in Mainz in 1999 before coming to Bath as a lecturer in 2000. At Bath he has built a research group focused on developing materials which respond to changes in their local microbiological environment and is focused on translation of technology from the lab towards the clinic. He is currently prototyping infection-responsive urinary catheters and wound dressings with combined therapeutic and sensing capabilities.

Brian Jones, PhD

Dr. Brian Jones graduated from Cardiff University in 2000 with a BSc (Hons) in genetics. He completed a PhD in 2004, also at Cardiff University, investigating the role of swarming in the pathogenesis of *Proteus mirabilis* urinary tract infections, with a focus on the encrustation and blockage of urethral catheters. In 2004, he joined the Alimentary Pharmabiotic Centre and Microbiology Department at University College Cork, Ireland, where he began to work on the human gut microbiome and associated mobile metagenome. In 2008 he took up a position at the University of Brighton, and is currently a Reader in Molecular & Medical Microbiology within the School of Pharmacy and Biomolecular Sciences at the University of Brighton, and serves as the Head of Research Development for the Queen Victoria Hospital NHS Foundation Trust. Dr. Jones also serves as an editor for the *Journal of Applied Microbiology* and *Letters in Applied Microbiology*, and he is on the Executive Committee of the Society for Applied Microbiology. The pathogenesis of device associated infections, particularly CAUTI, remains a key theme of research within his laboratory, and his recent work in this area has focused on understanding the mechanisms through which bacteria form biofilms on catheters and developing strategy to control infection.

Margaret Macaulay, MSc, RN, DN

Dr. Macaulay is currently a research nurse at the Continence & Skin Technology Group, University College London. Here she works with Professor Cottenden and Professor Fader on a range of research studies evaluating and developing continence technologies. Her background is as a community-based continence nurse specialist in the London area. Her current area of interest is the on-going development of the Continence Product Advisor website and the development of improved products for men who have had prostate cancer. Ms. Macaulay is currently working as project coordinator on a major National Health Service funded research programme to investigate re-use of catheters for intermittent self-catheterisation.

Spencer Magleby, PhD

Dr. Magleby is a professor of Mechanical Engineering at Brigham Young University in Provo, Utah, USA. He served 11 years as associate dean for the College of Engineering at BYU and is currently the Honors Program Director for the University. He spent six years in the military aircraft industry developing tools for advanced aircraft

design and manufacture. At BYU, he has pursued research and published in areas of product design, design tools and processes that bridge engineering and business, and engineering team formation and management. He has been especially active in developing new technologies and applications related to compliant mechanisms. Recent work has explored the use of origami to inspire innovative product design. Dr. Magleby teaches design at the graduate and undergraduate level and is interested in educational partnerships with industry. In his leadership roles in the College he has guided development of study abroad programs for engineers. He has helped oversee more than 250 undergraduate and graduate design projects through his involvement with the BYU Capstone program and efforts in his laboratory. He has been nationally recognized for his contributions in engineering design education.

Alex Mihailidis, PhD, PEng

Professor Mihailidis is the Barbara G. Stymiest Research Chair in Rehabilitation Technology at the University of Toronto and Toronto Rehab Institute. He is also the Scientific Director of the AGE-WELL Network of Centres of Excellence, which focuses on the development of new technologies and services for older adults. He is an Associate Professor in the Department of Occupational Science and Occupational Therapy (U of T) and in the Institute of Biomaterials and Biomedical Engineering (U of T), with a cross appointment in the Department of Computer Science (U of T). He has been conducting research in the field of pervasive computing and intelligent systems in health for the past 15 years, having published over 150 journal papers, conference papers, and abstracts in this field. He has specifically focused on the development of intelligent home systems for elder care and wellness, technology for children with autism, and adaptive tools for nurses and clinical applications. He currently holds several major research grants from internationally-recognized funding agencies to support this work (including both the Canadian and American Alzheimer Associations, NSERC, and CIHR). His research has been completed through collaborations with other researchers in this field from Canada, the United Kingdom, and the United States, and with various industrial partners. Dr. Mihailidis has also co-edited two books: one from CRC Press entitled *Pervasive Computing in Healthcare* and the other from IOS Press entitled *Technology and Aging*, which resulted from him being the conference chair for the Second International Conference on Technology and Aging. Dr. Mihailidis is also very active in the rehabilitation engineering profession, currently as the Immediate Past-President for RESNA (Rehabilitation Engineering and Assistive Technology Society of North America). He was also named a Fellow of RESNA in 2014, which is one of the highest honours within this field of research and practice.

Diane Newman, DNP, FAAN

Dr. Newman is a certified nurse practitioner who serves as Co-Director of the Penn Center for Continence and Pelvic Health, Division of Urology, University of Pennsylvania Medical Center in Philadelphia, as well as Adjunct Professor of Urology in Surgery, Perelman School of Medicine at the University of Pennsylvania. Dr. Newman received her Bachelor of Science degree in nursing from LaSalle University in Philadelphia, a Master of Science degree in nursing from the University of Pennsylvania, a postgraduate study at the University of Pennsylvania's School of

Nursing and a Doctorate of Nursing at Thomas Jefferson University in Philadelphia. Dr. Newman's clinical practice involves the assessment and treatment of patients with urinary incontinence and overactive bladder. She is an internationally known speaker and is currently co- or sub-principal investigator for numerous clinical trials. A prolific writer, Dr. Newman has written and presented more than 100 scientific papers, chapters, and articles on the assessment, treatment, and management of incontinence with an emphasis on the nurse's role. She is the author of the book *The Urinary Incontinence Sourcebook* and is the co-author of *Managing and Treating Urinary Incontinence* and *Overcoming Overactive Bladder*.

Kaoru Nishimura, RN

Ms. Nishimura is the founder and chairperson of the Japan Continence Action Society and a director of the Japanese Society of Geriatric Urology. She is also a Japanese Society for Dementia Care Board Member. Ms. Nishimura studied in England and returned to Japan as the country's first continence advisor in 1988. She is the author of over twenty books on continence care and consults for several continence clinics. Ms. Nishimura is known throughout Japan for her dedication to continence care. She also works with industrial designers to develop devices for individual patients with unique incontinence challenges, and several of these devices have been commercialized. Her outstanding work has been recognized with the 2006 AVON Award and the "Healthy Society Award" in 2007. Ms. Nishimura is a member of the Continence Promotion Committee of the International Continence Society. She is the 2015 recipient of the Simon Foundation for Continence 's of the John J. Humpal Award.

Christine Norton, PhD, MA, RN

Professor Norton is the Florence Nightingale Professor of Clinical Nursing Research at King's College London and Imperial College Healthcare London. She has worked with people with incontinence for 35 years, specialising first in urinary incontinence and for the past 20 years in faecal incontinence. In the past she was a co-chair of the International Continence Society Continence Promotion Committee and of the International Consultation on Incontinence Faecal Incontinence Committee. She chaired the UK national guidelines on faecal incontinence and is an editor for the Cochrane Collaboration Incontinence Group. She has authored seven books and over 100 articles on incontinence.

Christopher Payne, MD

Dr. Payne grew up in West Virginia and attended undergraduate school at the University of Virginia where he received a BA degree in Chemistry with a minor in English. He attended Vanderbilt University for medical school after which he completed a urology residency at The Hospital of the University of Pennsylvania in Philadelphia, Pennsylvania. After completing a fellowship in Female Urology, Urodynamics, and Pelvic Reconstructive Surgery at UCLA in 1992-1993, he was recruited to Stanford University in August 1993 to initiate a new program in Female Urology and NeuroUrology. He advanced to a tenured position as Professor of Urology and served continuously until his retirement from Stanford in 2014 as an Emeritus Professor. Dr. Payne is nationally recognized as a leader on issues in female urology having served

on NIH advisory/oversight panels on urinary incontinence and interstitial cystitis. His expertise in clinical research has been recognized through two NIH principal investigator grants focusing on treatment of interstitial cystitis. He has published numerous articles and book chapters on urinary incontinence, pelvic reconstructive surgery, and interstitial cystitis. He served three times as the committee chair for "Research Methodology" for the International Consultation on Incontinence and is a Trustee of the International Continence Society. He has been recognized by Castle Connolly as one of America's Top Doctors® for ten consecutive years. Dr. Payne's most recent venture is a joint practice with Dr. Jeannette Potts: Vista Urology and Pelvic Pain Partners. The goal is to provide personalized urologic care while continuing to advance our knowledge base through clinical research. Dr. Payne has a special interest in obstetric fistulas in the developing world. He is on the Board of the Worldwide Fistula Foundation and the Danja Fistula Center in Africa. Dr. Payne has made several trips to Africa for treatment and research pertaining to this problem.

Mark K. Plante, MD, FRCS(C), FACS

Dr. Plante is the Chief of Urology at the University of Vermont Medical Center. He is a Tenured Associate Professor of Surgery and is the Urology Residency Program Director. A flight surgeon from 1993 to 1996 for Skyservice, he completed his medical degree and surgical training at McGill University in Montreal, Canada and received several awards during his residencies in General Surgery and Urologic Surgery. Dr. Plante has co-authored over 60 abstract presentations, over 35 peer review publications and four review publications and chapters. Dr. Plante has served as both Treasurer and President of the New England Section of the AUA and was a graduate of the inaugural leadership class of the AUA. Dr. Plante has been an invited speaker/presenter/visiting surgeon at conferences and universities throughout the United States, Canada, Eastern and Western Europe, Asia and Australia. He has been primary to the successful reestablishment of Urologic Surgical Residency training at the University of Vermont as well as the broad integration efforts for urologic patient care in several counties in both Vermont and Upstate New York.

Jeannette M. Potts, MD

Dr. Potts is a physician specializing in urology and men's health. She is an expert in urological pelvic pain syndromes and has contributed to this field through research, publications, and numerous presentations at international medical societies. Before moving to California, she was the Director of the Center for Pelvic Pain and Alternative Medical Services at Case Western Reserve University, and had been a member of the prestigious Glickman Urological Institute at the Cleveland Clinic for 15 years. She served as Director of Urological Fellowship training for the Confederación Americana de Urología for eight years and served on the board of directors for IVUmed (International Volunteers in Urology). She is the editor of three urological textbooks and author of *Tango: Lessons for Life*, which provides her perspectives on life and healing "through the eyes of a dancing doctor." She has given over 100 lectures in 18 countries as a visiting professor or guest speaker at international medical and surgical societies. She and her husband, Dr. Christopher Payne, are co-founders of Vista Urology & Pelvic

Pain Partners in San Jose, California. In this new practice, they continue to conduct research while providing personalized comprehensive care to their patients.

Rick Rader, MD

Dr. Rader is the Director of the Morton J. Kent Habitation Center at Orange Grove Center (Chattanooga, TN) where he is responsible for identifying innovative programs addressing the future medical problems of people aging with intellectual and developmental disabilities. He is the Editor in Chief of *Exceptional Parent Magazine* and the Vice President of Public Policy and Advocacy at the American Academy of Developmental Medicine and Dentistry as well as a board member of the American Association on Health and Disability. Dr. Rader has published over 200 articles in the field of disabilities and health. He is cross-trained in internal medicine and medical anthropology. Dr. Rader is the 2013 recipient of the Simon Foundation for Continence's Defeating Stigma Award.

John Rodgers, PhD

Professor John A. Rogers obtained BA and BS degrees in chemistry and in physics from the University of Texas, Austin in 1989. From MIT, he received SM degrees in physics and in chemistry in 1992 and a PhD degree in physical chemistry in 1995. From 1995 to 1997, Dr. Rogers was a Junior Fellow in the Harvard University Society of Fellows. He joined Bell Laboratories as a Member of Technical Staff in the Condensed Matter Physics Research Department in 1997 and served as Director of this department from the end of 2000 to 2002. He held the Swanlund Chair at the University of Illinois at Urbana/Champaign where he was also Director of the Seitz Materials Research Laboratory. Since the Fall of 2016, he is the Louis Simpson and Kimberly Querrey Professor of Materials Science and Engineering, Biomedical Engineering and Medicine at Northwestern University where he also serves as the Director of a newly endowed Center for Bio-Integrated Electronics. His research has been recognized by many awards including a MacArthur Fellowship (2009), the Lemelson-MIT Prize (2011), the MRS Mid-Career Researcher Award (2013), the Smithsonian Award for American Ingenuity in the Physical Sciences (2013), and the ETH Zurich Chemical Engineering Medal (2015). He is a member of the National Academy of Engineering, the National Academy of Sciences, and the American Academy of Arts and Sciences.

Douglas Tincello, MD, FRCOG

Professor Tincello graduated in medicine from the University of Edinburgh in 1990. His early training was completed in Edinburgh where his interest in obstetrics and gynaecology began. He spent two years as a research fellow in the Medical Research Council Centre for Reproductive Biology where he completed his Doctorate. In 1993 he moved to Liverpool to complete his clinical training where he developed his interest in urogynaecology, working with Dr. David Richmond at the Liverpool Women's Hospital. He spent one year as a clinical research fellow and subsequently moved into an academic post as clinical lecturer in Liverpool University in 1999. He was appointed as Senior Lecturer in Urogynaecology at the University of Leicester in April 2002 and has now established a portfolio of clinical, qualitative and laboratory research in urogynaecology, leading the Prolapse and Incontinence Group. He was awarded a

personal chair in April 2012, and is one of only four urogynaecology professors in the UK and the only one holding a primary university appointment. In September 2014, he was appointed Honorary Professor in the School of Medicine and Dentistry in the University of Aberdeen. He has been principal investigator on two randomised controlled surgical trials funded by the Moulton Charitable Trust, Wellbeing of Women, and the Medical Research Council. He is a member of the Editorial Board of the *British Journal of Obstetrics & Gynaecology*, the International Editorial Board of the *Journal of Female Pelvic Medicine & Reconstructive Surgery*, the NIHR College of Experts and Chairman of the Wellbeing of Women Research Advisory Committee. He was research subcommittee Chairman of the British Society of Urogynaecology for six years.

Jeroen Voorham, MSc

Mr. Voorham studied Aerospace Engineering at the Delft University of Technology. During his master's degree program he started a company (Novuqare), which developed a new product for the diagnosis and treatment of pelvic floor dysfunctions. The MAPLe is the first clinically certified system that can differentiate between the individual muscles on the different sides and depth of the pelvic floor. Besides his role as business manager, Mr. Voorham is currently in a PhD program at the Leiden University Medical Center (LUMC) and the University Hospital of Antwerp (UZA) investigating EMG signals of the Pelvic Floor.

János Vörös, PhD

Dr. Vörös is a Professor in the Institute for Biomedical Engineering of the University of Zurich and ETH Zurich (Department for Information Technology and Electrical Engineering) where he has headed the Laboratory for Biosensors and Bioelectronics since 2006. He has studied Physics at the Eötvös Loránd University in Budapest. After receiving a diploma in Physics in 1995, he was a doctoral student at the Department of Biological Physics of the Eötvös University (in collaboration with Microvacuum Ltd.) where he received his PhD in Biophysics in 2000. Since 1998, he has been a member of the BioInterface group in the Laboratory for Surface Science and Technology at the Department of Materials of ETH Zurich serving as visiting scientist, postdoc, and from 2004 as group leader of the Dynamic BioInterface group until 2006. Dr. Vörös also has an adjunct appointment at the Department of Engineering Science and Mechanics of the Pennsylvania State University. He is interested in research and teaching in the areas of Biosensors, Bioelectronics, Nano-Biotechnology, Biophysics, Biomaterials and Neurosciences with special focus on the understanding, monitoring and controlling of molecular and cellular processes at biological interfaces. His research group focuses on the development of novel biosensor techniques for diagnostics and drug discovery, using nanobiotechnology for interfacing neural networks, and also on implanted stretchable electronic devices.