

I.Yuki Sudo

Current Position:

Professor, Faculty of Medicine, Dentistry, and Pharmaceutical Sciences, Okayama University

Date of Birth: October 29, 1977

Education:

2000: Bachelor of Pharmaceutical Sciences, Hokkaido University

2005: Doctor of Graduate School of Pharmaceutical Sciences, Hokkaido University

(*2002–2003: Special Research Student, Graduate School of Biological Sciences, Nara Institute of Science and Technology)

Professional Experience:

2005: Research Fellow, Graduate School of Engineering, Nagoya Institute of Technology

2005: Postdoctoral Fellow, University of Texas Health Science Center at Houston

2007: Assistant Professor, Graduate School of Science, Nagoya University

2009: Associate Professor, Graduate School of Science, Nagoya University

2014: Professor, Faculty of Medicine, Dentistry, and Pharmaceutical Sciences, Okayama University

Research Interests:

With the catchphrase "From light into Medicine !?", I conduct biophysical and biochemical research on the light-sensitive protein rhodopsin, with the aim of controlling biological functions using light.

Brief Statement:

In 2000, I joined as a member and gave an oral presentation at the 38th Annual Meeting in Sendai. This experience motivated me to engage deeply with the BSJ, especially after being approached with questions from someone outside the classroom window and receiving a comment of "Interesting" from someone else after my presentation. Since then, I have been involved in the BSJ, often taking cues from the behavior of those persons (?). I have served as a Committee/Board member (2011–2014, 2017–2020, 2023–present), Vice Chair of the Annual Meeting Executive Committee (2018: Okayama), Chair of the Chugoku–Shikoku Branch (2019–2020), Vice President (2019–2020), and Vice Editor-in-Chief of the BPPB Journal (2022–present). Thus, this society is everything to my researcher life.

2. Takeharu Nagai

Current Position:

Professor, SANKEN, Osaka University, Professor, Research Institute for Electronic Science, Hokkaido University, CEO, LEP Inc.

Date of Birth: September 29, 1968

Education:

1988-1992 BA College of Biology, Tsukuba University, Japan
1992-1994 MS Graduate School of Agricultural Sciences, Tsukuba University, Japan
1994-1998 Ph.D. Graduate School of Medicine, The University of Tokyo, Japan

Professional Experience:

1995-1998 Research Fellowship for Young Scientists, JSPS
1998-2001 Special Post Doctoral Researcher, RIKEN
2001-2005 Researcher, PRESTO, JST
2005-2012 Professor, Research Institute for Electronic Science, Hokkaido University
2012- Professor, The Institute of Scientific and Industrial Research, Osaka University
2014-2017 Vice Director, The Institute of Scientific and Industrial Research, Osaka University
2017-2019 Head, Innovative Co-creation Division, Office for Industry-University Co-Creation
2017 Distinguished Professor, Osaka University
2018- Head, Department of Hyperdimension Life Imaging, Open and Transdisciplinary Research
2020-2024 Vice Director, SANKEN, Osaka University
2022- Visiting Professor, Nara Institute of Science and Technology
2022- Professor, Research Institute for Electronic Science, Hokkaido University
2023- CEO, LEP Inc.

Research Interests:

I have been focusing on development of bioimaging tools by engineering both fluorescent and bioluminescent proteins. Representative works are development of a yellow fluorescent protein variant, Venus that effectively forms chromophore at 37 degree C, an ultrasensitive Ca^{2+} indicator, yellowameleon Nano, bright bioluminescent proteins, Nano-lantern, a fast photoswitchable fluorescent protein, Kohinoor, and a world first bioluminescent membrane potential indicator, LOTUS-V, etc. Also, my laboratory developed several imaging systems including the trans-scale-scope, AMATERAS that enables optical imaging with an over-one-centimeter field-of-view and a-few-micrometer spatial resolution. With these technologies, my laboratory has been deciphering how few numbers of elements (protein, virus and cell, etc) can make singularity in biological system. My laboratory is also developing glowing plant that might be usable for electrical power free lightning devices in future society.

Brief Statement:

After getting Ph.D. in 1998, I became a member of BSJ and has been involved in the administration of the BSJ as a Committee Member (2012-2013), Board of Directors (2014-

2016, 2021–2022, 2023–2024), Vice President (2015–2016), BPPB Editorial Board Member, Secretary General of the 57th annual meeting of BSJ held at Miyazaki, Working Group Member for invitation of IUPAB (201202018), and a member of the International Relations Committee (from 2019). I also served as an Associate Member of the Science Council of Japan (from 2014), participating in activities of the Biophysics Subcommittee and the IUPAB Subcommittee, and played a central role in drafting the proposal “Accelerating the Development of Life Science with Next-Generation Integrated Bioimaging Research” (issued in 2017), and Future Academic Advancement Initiative “Establishment Plan for a Life Science Crossover Research Flagship Base” (adopted in 2023).

3. Takayuki Nishizaka

Current Position:

Professor, Department of Physics, Gakushuin University, Tokyo, Japan

Date of birth: 19th August, 1968

Education:

Ph. D., Waseda University, Tokyo, Japan, 1996. (Dissertation title: Sliding mechanism of filamentous proteins in skeletal muscle.)

Professional Experience:

Professor, 2009-present. Department of Physics, Gakushuin University, Tokyo, Japan

Associate Professor, 2008-2009, Department of Physics, Gakushuin University.

Assistant Professor, 2003-2008, Department of Physics, Gakushuin University.

Postdoctoral Researcher, 2001-2003, Kansai Advanced Research Center, Hyogo, Japan.

Postdoctoral Researcher, 1998-2001, Japan Science and Technology Agency, CREST

Funding program, Kanagawa, Japan.

Research Interests: Molecular Motors, Single-Molecule Biophysics, Bacterial Motility

Brief Statement:

I hereby offer myself as a candidate for BSJ president. I had been Administration Officer for International Affairs in BSJ from 2017 to 2022 and hosted many joint symposiums with other Asian countries (Australia, India, and so on). I have been taking the task of vice-president of BSJ from 2023 aiming to increase the activity of young researchers and international exchange with other biophysics societies.