New approaches and applications of STORM super-resolution imaging in life sciences

30th of November, 2018, MTA-KOKI Szigony u. 43, Budapest 1083, lecture hall

Program:

- 11.00: Welcome speech by Prof. Tamás Freund, Director of MTA KOKI
- 11.05: Opening remarks by Takaharu Sasaoka, President of Nikon Instruments Europe B.V.
- **11.10:** Dr. Kenta Imai (Nikon Corporation, Yokohama City): "New features of N-STORM for super-resolution imaging applications"
- **11.30: Prof. Tibor Pankotai** (Department of Biochemistry and Molecular Biology, University of Szeged):

"Developing new Super-Resolution dSTORM based Microscopic 3D quantification of DNA damage induced γH2AX focus formatio to dissolving single DNA repair foci"

- **11.50: Prof. György Vámosi** (Department of Biophysics and Cell Biology, University of Debrecen): "Interleukin-2/15 receptor assembly from the ER to the cell membrane"
- **12.10: Prof. Klaudia Barabás** (Center for Neuroscience, University of Pécs): "Single neurotrophin receptor dynamics in Alzheimer's disease in living human neurons: single molecule detection studies"
- **12.30: Dr. Balázs Pósfai** (Laboratory of Neuroimmunology, MTA KOKI): "The importance of nanometer-scale molecular imaging in studying dynamic cellular actions"
- **12.40:** Dr. Susanne Prokop (Laboratory of Molecular Neurobiology, MTA KOKI): "PharmacoSTORM: a powerful approach for antibody- or fluorescent protein-free super-resolution imaging"
- **12.50: Dr. László Barna** (Head, Nikon Imaging Center at MTA KOKI): "Introducing the operational principles and future plans of the Nikon Imaging Center at KOKI"
- 13.00: Ribbon-cutting to celebrate the new N-STORM 5.0 system

13.10-14.00: Reception



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