

3rd KAST-Leopoldina Bilateral Symposium “Bioimaging and its application”

by

the German National Academy of Sciences Leopoldina and
the Korean Academy of Science & Technology (KAST)

on the occasion of the “7th Joint Korean-German Conference 2015 on Science and Innovation”,
Seoul, Grand Hyatt, 13 October 2015

Programme

Tuesday, 13 October 2015

| SESSION III: “Bioimaging and its application” | |
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| 14.00–14.10 | Introduction by Leopoldina and KAST Representatives (Prof. Dr. Jörg Hacker, Leopoldina President; and Prof. Yung Woo Park, Chair, Division of Foreign Affairs of the KAST) Chair: Prof. Yung Woo Park |
| 14.10–14.40 | Keynote Speech: “Molecular Bioimaging of Genome Transcription” Prof. Dr. Patrick Cramer (Director, MPI for Biophysical Chemistry) |
| 14.40–15.40 | “Super-resolution fluorescence microscopy of living cells” Prof. Sang-Hee Shim (UNIST) |
| | “Single Molecule Mechanics of Proteins” Prof. Dr. Matthias Rief (TUM) |
| | “Probing membrane protein interactions and dynamics by single-particle tracking PALM in living cells” Prof. Nam Ki Lee (POSTECH) |
| 15.40–15.55 | Q&A Session |
| 15.55–16.10 | Coffee Break |
| 16.10–17.10 | “Nano-optical methods for sensing, microscopy and tracking of individual biomolecules” Prof. Dr. Vahid Sandoghdar (Director, MPI for the Science of Light) |
| | “Scattering superlens: near-field focusing and imaging exploiting multiple scattering in turbid media” Prof. YongKeun Park (KAIST) |
| | “T cell receptor clustering regulates signalling efficiency” Prof. Dr. Katharina Gaus (The University of New South Wales) |
| 17.10–17.20 | Q&A Session |
| 17.20–17.55 | Panel discussion Chair: Prof. Jung Yul Yoo, Executive Vice President of KAST Chair: Prof. Dr. Ernst-Ludwig Winnacker, University of Munich |
| 17.55–18.00 | Closing remarks by Leopoldina and KAST Representatives |