Kyoto University / ERATO International Symposium:
Chemistry and Plant Biology

March 15, 2022 9:00-16:40
virtual/zoom, Japan Std Time

Registration  http://enzyme.riken.jp/chemplantbiosymposium2022.html
Deadline  February 25th, 2022 17:00 (JST)

Program

9:00  Opening Remarks

9:10  Prof. Markita Landry  (University of California, Berkeley)
Nanomaterials Enable Delivery of Genetic Material
Without Transgene Integration in Mature Plants

9:40  Prof. Daniel J. Cosgrove  (Pennsylvania State University)
Relating cell wall structure to cell wall mechanical properties: experiments and modeling

10:20  Prof. Keiji Numata  (ERATO, Kyoto University, RIKEN)
Peptide chemistry-mediated plant organelle modifications

10:50  Prof. Yutaka Kodama  (ERATO, Utsunomiya University, RIKEN)
Molecular and cellular temperature sensing for chloroplast positioning

11:20  Photo session & Lunch break

13:00  Poster session

14:30  Prof. Shin-ichi Arimura  (The University of Tokyo)
Targeted base editing for plastid and mitochondrial genomes

15:00  Prof. Kazuki Saito  (RIKEN Center for Sustainable Resource Science)
Phytochemical genomics - from Arabidopsis and beyond

15:40  Prof. Taku Demura  (Nara Institute of Science and Technology)
Plant biomechanics influenced by changes in chemistry of secondary cell walls

16:10  Prof. Gregor Anderluh  (National Institute of Chemistry, Slovenia)
Plant sphingolipid-toxin interactions in microbial pathogenesis

16:40  Closing Remarks

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