

International Symposium on Biopolymer Material Informatics

Nov 4th, 2021 10:00-17:40

virtual/zoom, Japan Std Time

- **Registration** <https://tinyurl.com/biopolymer2021>
- **Deadline** October 31st, 2021 17:00 (JST)

10:00 Opening remarks

10:10 Prof. Markus Buehler (MIT, USA)
Generative deep learning: Towards de novo protein designs at the interface of art and science

11:00 Prof. Kohzo Ito (University of Tokyo, Japan)
Durable and degradable polymers for circular economy

Lunch break

13:00 Prof. Keiji Numata (Kyoto University, Japan)
Molecular mechanism and informatics of tough polypeptide material

13:50 Dr. Shigeru Yamaguchi (RIKEN, Japan)
Molecular field analysis for data-driven catalyst material design

Break

15:00 Dr. Wolfgang Gerlinger
(Digitalization in Materials Science R&D, BASF SE, Germany)
Dr. Bernhard von Vacano
(Advanced Materials & Systems Research, BASF SE, Germany)
Digital materials innovation - an industrial perspective

15:50 Prof. Nicola Pugno (University of Trent, Italy)
Mechanics of spider silks, webs and anchorages

16:40 Prof. David Fairen-Jimenez (University of Cambridge, UK)
Materials discovery from The Cambridge Structural Database and molecular engineering of MOFs

17:30 Closing remarks

Contact

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