

# Biomaterials for Well-being

Monday, November 14th, 2022 at Hall B5, Tokyo International Forum

9:30 - 10:00	Opening
10:00 - 10:05	Opening Remarks
10:05 - 10:10	Greetings from MEXT
10:10 - 10:25	NIMS Award Ceremony
10:25 - 11:10	<p><b>NIMS Award Winning-lecture (1)</b>  <b>Prof. Teruo Okano</b> (Tokyo Women's Medical University)  "Creation of Cell Sheet Engineering using Temperature Responsive Polymeric Materials and Invention of Cell Sheet Regenerative Therapy"</p>
11:10 - 11:15	Break
11:15 - 12:00	<p><b>NIMS Award Winning-lecture (2)</b>  <b>Prof. Kazuhiko Ishihara</b> (Osaka University)  "Bioinspired Polymer Biomaterials"</p>
12:00 - 12:05	Break
12:05 - 12:50	<p><b>NIMS Award Winning-lecture (3)</b>  <b>Prof. Donald E. Ingber</b> (Harvard University)  "Living Materials Science: From Cellular Tensegrity to Human Organs-on-Chips"</p>
12:50 - 14:20	Break and Poster Session ( 13:20-14:00 Core time for Poster session )
14:20 - 14:30	Introduction of NIMS
14:30 - 15:00	<p>[Invited Talk (1)] <b>Prof. Akira Matsumoto</b> (Tokyo Medical and Dental University)  ""Borono-lectin"-Inspired Bioengineering for Bio-Interactive Applications"</p>
15:00 - 15:15	<p>[NIMS Talk (1)] <b>Dr. Tetsushi Taguchi</b>  "Design of Tissue Adhesive Materials for Minimally-invasive Therapy"</p>
15:15 - 15:45	<p>[Invited Talk (2)] <b>Prof. Cole DeForest</b> (University of Washington)  "User-Programmable Hydrogel Biomaterials to Probe and Direct 4D Stem Cell Fate"</p>
15:45 - 16:00	<p>[NIMS Talk (2)] <b>Dr. Mitsuhiro Ebara</b>  "Smart Polymer Technologies for Global Health"</p>
16:00 - 16:15	Break
16:15 - 16:45	<p>[Invited Talk (3)] <b>Prof. Hidetaka Akita</b> (Tohoku University)  "Development of intracellular environment-responsive lipid-like material: ssPalm for the acceleration of nucleic acid/RNA-based medication"</p>
16:45 - 17:00	<p>[NIMS Talk (3)] <b>Dr. Jun Nakanishi</b>  "Dynamic Materials for Cell Mechanobiology"</p>
17:00 - 17:30	<p>[Invited Talk (4)] <b>Prof. Kristopher Kilian</b> (University of New South Wales Sydney)  "Dynamic Hydrogels for Advanced Cell Culture and Tissue Engineering"</p>
17:30 - 17:45	<p>[NIMS Talk (4)] <b>Dr. Guoping Chen</b>  "Polymeric Scaffolds and Biomimetic Matrices for Biomedical Applications"</p>
17:45 - 17:50	Closing