

2022 NIMS Award Ceremony・NIMS Award Symposium

Biomaterials for Well-being

November 14 (Mon), 2022

10:00 ~ 17:50

Tokyo International Forum B5 Language: English

NIMS Award Lecture



Creation of Cell Sheet Engineering using Temperature Responsive Polymeric Materials and Invention of Cell Sheet Regenerative Therapy

Teruo Okano

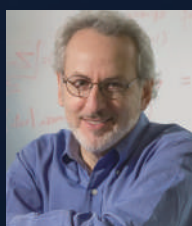
Emeritus Professor, Tokyo Women's Medical University



Bioinspired Polymer Biomaterials

Kazuhiko Ishihara

Specially Appointed Professor, Osaka University



Living Materials Science: From Cellular Tensegrity to Human Organs-on-Chips

Donald E. Ingber

Professor, Harvard University

NIMS Award Symposium Invited Lecture

Prof. Akira Matsumoto Tokyo Medical and Dental University

Prof. Cole DeForest University of Washington

Prof. Hidetaka Akita Tohoku University

Prof. Kristopher Kilian University of New South Wales Sydney

Registration (10.3 Open) : <https://www.nims.go.jp/nimsweek/eng/>

Contact : NIMS WEEK 2022 Secretariat <nimsweek@nims.go.jp>



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>NIMS Award Winning-lecture (1) Prof. Teruo Okano (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>NIMS Award Winning-lecture (2) Prof. Kazuhiko Ishihara (Osaka University) "Bioinspired Polymer Biomaterials"</p>
12:00 - 12:05	Break
12:05 - 12:50	<p>NIMS Award Winning-lecture (3) Prof. Donald E. Ingber (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)] Prof. Akira Matsumoto (Tokyo Medical and Dental University) ""Borono-lectin"-Inspired Bioengineering for Bio-Interactive Applications"</p>
15:00 - 15:15	<p>[NIMS Talk (1)] Dr. Tetsushi Taguchi "Design of Tissue Adhesive Materials for Minimally-invasive Therapy"</p>
15:15 - 15:45	<p>[Invited Talk (2)] Prof. Cole DeForest (University of Washington) "User-Programmable Hydrogel Biomaterials to Probe and Direct 4D Stem Cell Fate"</p>
15:45 - 16:00	<p>[NIMS Talk (2)] Dr. Mitsuhiro Ebara "Smart Polymer Technologies for Global Health"</p>
16:00 - 16:15	Break
16:15 - 16:45	<p>[Invited Talk (3)] Prof. Hidetaka Akita (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)] Dr. Jun Nakanishi "Dynamic Materials for Cell Mechanobiology"</p>
17:00 - 17:30	<p>[Invited Talk (4)] Prof. Kristopher Kilian (University of New South Wales Sydney) "Dynamic Hydrogels for Advanced Cell Culture and Tissue Engineering"</p>
17:30 - 17:45	<p>[NIMS Talk (4)] Dr. Guoping Chen "Polymeric Scaffolds and Biomimetic Matrices for Biomedical Applications"</p>
17:45 - 17:50	Closing