

1. Purpose of the Event

The Working Group 1 "Math-Empowered Design of New Biomaterials Contributing to Life Science and Medicine" of the HeKKSaGOn German-Japanese University Alliance promotes international collaborative research aimed at creating innovative biomaterials that contribute to the advancement of life sciences and medicine, based on mathematical and materials sciences.

The upcoming HeKKSaGOn Autumn School 2025, under the theme "Engineering Materials for Biomedicine: from molecules to tissues", will bring together young researchers and graduate students from Japan and Germany. Participants will exchange cutting-edge knowledge on material design and gain insights into biological phenomena across multiple scales, from molecules to tissues. Through lectures, discussions, and poster presentations, the program seeks to foster cross-disciplinary knowledge exchange, cultivate new ideas, and nurture seeds of future collaborations.

Furthermore, this school goes beyond academic exchange, consciously addressing societal challenges. Designing next-generation biomedical materials to tackle issues such as aging and intractable diseases is directly linked to innovations in regenerative medicine and drug discovery, making significant contributions to the SDG "Good Health and Wellbeing." At the same time, international exchange among young researchers—gaining mutual understanding of diverse cultures and research backgrounds—will help build a sustainable global research network.

2. Schedule and Venue

• **Dates:** October 23 (Thu) – 29 (Wed), 2025

• Venue: Osaka University, Toyonaka Campus

Main venue: Nambu Yoichiro Hall (Faculty of Science, Building E, 2nd

floor)

On the afternoon of October 24: Sessions will take place in the Faculty of Science, Building E, 2nd floor.

3. Program Overview

Saturday (October 25) • Osaka Castle • Around Umeda Excursion Osaka Autumn School 2025 "Engineering Materials for Biomedicine: from molecules to tissues" Lecture 3:

Hiroshi Yoshikawa
(Univ. Asaka)

"Development of Laser Processing and Manipulation Techniques for Life/Material Sciences." Lecture 4:
Joachim Wittbrodt
(Heidelberg Univ.)
"Evolutionary Building Blocks by
ex vivo Stem Cell Behavior" , Museum Tour with tour guide Coffee break (Café Saka) 15:00~: Move to the museum 15:20: Arrival AM:Nambu hall / PM:E210,E211 16:20: Take coffee with sweets 17:00: Back to Faculty of Science Bldg.B-2F Short Lecture S1:
Masaki Nakahata
(Univ. Osaka)
"Development of Polymeric Lecture 5:
Yoshihiro Sasaki
(Kyoto Univ.)
"Design and Biomedical
application of Membrane
Nanoparticles" Coffee Break Lunch Break Sonia Mahmoudi
(Tobloku Univ.)
"Weaving Across Scales: Topology & Symmetry" Lecture 1:
Motomu Tanaka
(Heidelberg Univ)
"Dynamics of Life: view from
interfaces" 13:00- Welcome & orientation Thursday (October 23) Announcement of Tour and Excursion Welcome party (17:00 - 19:00) Cafeteria La-foret Nambu hall Coffee Break Arrival at Osaka \sim October 22 14:30-14:45 17:00~19:00 10:45-11:00 11:00-12:00 12:00-13:30 13:30-14:30 14:45-15:45 15:45-16:45 9:45-10:45 Venue Week 1 (Oct. 23 - 25)

November 1 ~						Departure					
Friday (October 31)						HeKKSaGOn Presidents' Conference					
Thursday (October 30)								HeKKSaGOn Freidents' Conference			
Wednesday (October 29)	Nambu hall	Lecture 11: Martin Bastmoyor (Karlsruhe Inst. Tech.) "3D Cellular Microenvironments to Study Cell Mechanies"		"Core Pri Forma Neocorti	Lecture 13: Voshinori Takashima	(Univ. Osaka) "Enzymatic Degradation of Movable Cross-Linked Polymeric Matarials." Discussion, Evaluation & Photo (12:45~13:00)					
Tuesday (October 28)	Nambu hall	Lecture 9: Kenji Urayama (Kyon Univ) "Flaw Management in Seft Polymer Materials: Resistance and Tolerance Strategies"	Coffee Break	Lecture 10: Hiroshi Jinnai (Tohoku Univ.) "Mechanical Properties and Nano- scale Structural Relation in Polymer Composites Studied by Advanced Electron Microscopy"	Break	Short Lecture S2: Yuuichiro Kobayashi (Univ. Osaka) "Creation of sulfur nolumer Short Lecture S3: Kenji Yamaoka (Univ. Osaka) "Interedifission of Polymer with	Coffee Break	Flash Talk & Poster presentation	(vf mm. 4 mm×19) & Poster Presentation (odd/even, 22 min/ 22 min)	Banquet (17:00 - 19:00) Japanese restaurant (Ganko)	https://www.gankofood.co.jp/en/sho p/detail/yarishibashien/
Monday (October 27)	Nambu hall	Lecture 6: Fuyuhiko Tamanoi (Kyono Dinv.) "Small size, highly dispersive MSN nanoparticles with excellent tumor accumulation property"		Lecture 7: Karuya Kabayama (Univ. Osaka) "Optimizing antibody drug dynamics to enhance alpha- targeted therapy"	Lunch Break	Lecture 8: Michiya Mateusaki (Univ. Osaka) "Nanostructured Collagen Matrices for Bonnedical and Food Applications"	Coffee	Flash Talk & Poster presentation	(v/2 min. 4 mmx18) & Poster Presentation (odd/even, 24 min/24 min)		
Sunday (October 26)						Holiday					
	Venue	9:45-10:45	10:45-11:00	11:00-12:00	12:00-13:30	13:30-14:30	14:30-14:45	14:45-15:45	15:45-16:45	17:30~	19:30
								Week 2 (Oct. 26 - Nov. 1)			

4. Accommodation and Transportation

· Kasugaoka-House

Address: 7-12-17, Minami-Kasugaoka, Ibaraki, Osaka 567-0047, Japan Hotels accessible via the Osaka Monorail.

Please get off at **Handai-Byoin-Mae Station** (towards Kadoma-shi), then walk about 6 minutes north

TEL: +81-6-72-626-6228

URL: https://www.osaka-

u.ac.jp/en/schools/facilities/BandB/kasugaoka house

Google map: https://maps.app.goo.gl/j8P81brH7QcbJKcJ9



· Senri Hankyu Hotel Osaka

Adress: 2-1 Shinsenri-Higashimachi, Toyonaka City, Osaka, ZIP Code 560-0082

TEL: +81-6-6872-2211

URL: https://www.hankyu-hotel.com/en/hotel/hh/senrihh

Google map: https://maps.app.goo.gl/gd3HpiVaDtvuZsLp6



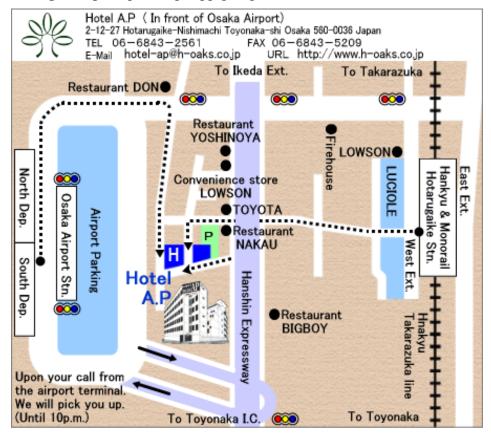
• Hotel A.P (in front of Osaka Airport)

Address: 2-12-27, Hotarugaike-Nishimachi, Toyonaka, Osaka 560-0036, Japan

TEL: +81-6-6843-2561

URL: https://www.h-oaks.co.jp/hotel-ap/en/

Google map: https://maps.app.goo.gl/nK4R94icPct7Kn4o7





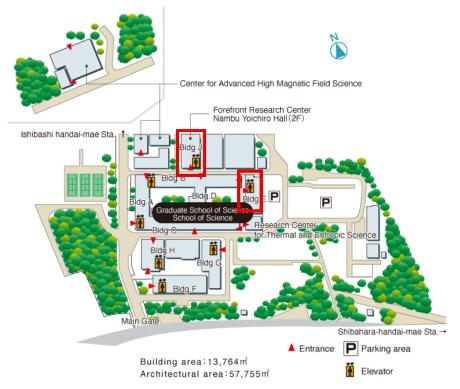
5. Venue Details

Nambu Yoichiro Hall: Osaka University Toyonaka Campus (Forefront Research Center, 2nd floor)

Rooms 201, 203, 204, 210, 211: Faculty of Science, Building E, 2nd floor, Osaka University Toyonaka Campus

Note: On the afternoon of October 24, sessions will be held in Building E, 2nd floor, Faculty of Science.

Eduroam Wi-Fi: Available throughout all venues.



6. Access (Monorail, Bus, Airplane)

• From Hankyu Osaka-Umeda Station / JR Osaka Station (approx. 50 min.)

Take the Hankyu Takarazuka Line to *Ishibashi-Handai-Mae Station*. Walk east for about 30 minutes.

• From JR Shin-Osaka Station (approx. 40 min.)

Take the Osaka Metro Midosuji Line to *Senri-Chuo Station*. Transfer to the Osaka Monorail bound for Osaka Airport, get off at *Shibahara-Handai-Mae Station*, and walk west for about 6 minutes.

• From Osaka International Airport (Itami Airport) (approx. 15 min.)

Take the Osaka Monorail bound for Kadoma-shi. Get off at *Shibahara-Handai-Mae Station* and walk west for about 6 minutes.

• From Kansai International Airport (approx. 2 hours)

Route 1: Take the Airport Limousine Bus bound for *Osaka New Hankyu Hotel* (*Umeda/Osaka Station area*). From there, take the Hankyu Railway (Takarazuka Line) to *Hotarugaike Station*. Transfer to the Osaka Monorail bound for Kadoma-shi, get off at *Shibahara-Handai-Mae Station*, and walk west for about 6 minutes.

Route 2: Take the Nankai Railway to *Namba Station*, then the Osaka Metro Midosuji Line to *Senri-Chuo Station*. Transfer to the Osaka Monorail bound for Osaka Airport, get off at *Shibahara-Handai-Mae Station*, and walk west for about 6 minutes.

Route3: Take JR to *Osaka Station*, then the Osaka Metro Midosuji Line to *Senri-Chuo Station*. Transfer to the Osaka Monorail bound for Osaka Airport, get off at *Shibahara-Handai-Mae Station*, and walk west for about 6 minutes.

Route 4: Take the Airport Limousine Bus to Osaka International Airport (Itami), then transfer to the Osaka Monorail bound for Kadoma-shi, get off at *Shibahara-Handai-Mae Station*, and walk west for about 6 minutes.

Note: Eduroam Wi-Fi is available when traveling by limousine bus from Kansai International Airport.

7. Flash talk and Poster presentation

Poster board size: A0 (vertical, 841 mm × 1189 mm)

Presentation file for "Flash Talk"

• **Presenters:** All poster presenters

• **Presentation file name:** P[Presentation Number]_Name.pptx

(Example: P40_TaroHandai.pptx)

• File format: PowerPoint (.pptx)

• **Submission method:** Upload via the Google Form as follow. https://forms.gle/ecm1DsXuRopSFU8B8

• Submission deadline: October 22 (Tuesday), 12:00 (JST), (October 22, 5:00 AM (CEST))

Presentation Guidelines

- **Presentation length:** Maximum 4 minutes (including switching time)
- Presentation software: Microsoft PowerPoint on Windows11
- **Operation check:** Please test your slides on the presentation PC during lunch or coffee breaks on the presentation day.

8. Meals

Lunch for students

Lunch is available at the Toyonaka Campus Cooperative Cafeteria as well as several nearby dining options.

Please note that cash (Japanese yen) is required, as credit cards are not accepted in some cafeterias.

Toyonaka Campus Cooperative Cafeteria Nearby Dining Options

Cafeteria Kasane Steak no Don (Family Steak Houses)

Cafeteria Under the Library Cafeteria La Foret

(within the campus)

Toyonaka Welfare Hall 3rd floor Cafeteria



• Lunch for faculty members: Lunch will be arranged by the organizers.

9. Welcome Party

October 23(Thu) Toyonaka Campus Cafeteria La-folet 17:00-19:00

Fee: JPY 2,000 for Japanese faculty staff, free for German faculty members and all of students

10. Museum Tour

October 24(Fri) Osaka University Museum 15:20-16:20

Coffee Break: Museum cafe Saka

11. Banquet

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October 28(Tue)
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Ganko Ikeda Ishibashien 17:00~19:00

https://www.gankofood.co.jp/en/shop/detail/ya-ishibashien/

Fee: JPY 2,000 (free for German faculty members and German students)

12. Notes

- Please be punctual for all sessions.
- English will be the common language.
- Name badges must be worn at all times.
- Bring comfortable clothing for the excursion.

13. Contact Information

Department of Macromolecular Science, Graduate School of Science, Osaka University

Yoshinori Takashima

takasima@chem.sci.osaka-u.ac.jp

TEL +81(Japan) 6-6850-5447

Program

Oct. 23th (Thu)

12:30 - 13:00 [Nambu Hall (2F)]	Registration
13:00 - 13:30 [Nambu Hall (2F)]	Welcome & orientation
13:30 – 14:30 L01 [Nambu Hall (2F)]	<pre><chairperson :="" masaki="" nakahata=""> Motomu Tanaka (Physical Chemistry of Biosystems Institute of Physical Chemistry Heidelberg University) "Dynamics of Life: a view from interfaces"</chairperson></pre>
14:30 - 14:45 [Nambu Hall (2F)]	Coffee Break
14:45 – 15:45 L02 [Nambu Hall (2F)]	Sonia Mahmoudi (Advanced Institute for Materials Research (WPI-AIMR), SUURI-COOL laboratory, Tohoku University) "Weaving Across Scales: Topology & Symmetry"
15:45 – 16:45 [Nambu Hall (2F)]	Announcement of Tour and Excursion
17:00 – 19:00 [University cafeteria laforet]	Welcome party

Oct. 24th (Fri)

9:45 – 10:45 L03 [Nambu Hall (2F)]	Chairperson: Martin Bastmeyer > Hiroshi Yoshikawa (Department of Applied Physics, The University of Osaka) "Development of Laser Processing and Manipulation Techniques for Life/Material Sciences"
10:45 – 11:00 [Nambu Hall (2F)]	Coffee Break
11:00 – 12:00 L04 [Nambu Hall (2F)]	Joachim Wittbrodt (Rupprecht Karls Universität Heidelberg Centre for Organismal Studies (COS) Developmental Biology/Physiology) "Evolutionary Building Blocks by ex vivo Stem Cell Behavior"
12:00 – 13:30	Lunch Break
13:30 – 14:30 L05 [Bldg.E210,E211]	Yoshihiro Sasaki (Department of Polymer Chemistry, Graduate School of Engineering, Kyoto University) "Design and Biomedical Application of Membrane Nanoparticles"
14:30 – 15:00 S01 [Bldg.E210,E211]	Masaki Nakahata (Graduate School of Science, The University of Osaka) "Development of Polymeric Materials Based on Bio-Inspired Design, Bio-Synthetic Interaction, and Bio-Synthetic Integration"
15:00 – 16:45	Museum Tour with tour guide Coffee break (Café Saka)

Oct. 25th (Sat)

13:30 – 16:45 **Excursion**

- · Osaka Castle
- · Around Umeda

Oct. 27th (Mon)

9:45 – 10:45 L06 [Nambu Hall (2F)]	Chairperson: Motomu Tanaka > Fuyuhiko Tamanoi (Institute for Integrated Cell-Material Sciences, Quantum Nano Medicine Research Center, Kyoto University) "Small size, highly dispersive MSN nanoparticles with excellent tumor accumulation property"
10:45 – 11:00 [Nambu Hall (2F)]	Coffee Break
11:00 – 12:00 L07 [Nambu Hall (2F)]	Kazuya Kabayama (Institute for Radiation Sciences, The University of Osaka) "Optimizing antibody drug dynamics to enhance alpha-targeted therapy"
12:00 – 13:30	Lunch Break
13:30 – 14:30 L08	Michiya Matsusaki (Graduate School of Engineering, The University of Osaka) "Nanostructured Collagen Matrices for Biomedical and Food Applications"
[Nambu Hall (2F)] 14:30 - 14:45 [Nambu Hall (2F)]	Coffee Break
14:45 – 16:45	Flash Talk & Poster Presentation (Maximum 4 minutes)
P01-P18	
P01-P18 P01 [Nambu Hall (2F)]	Chairperson: Masaki Nakahata, Kenji Yamaoka > Sun Bin (Graduate School of Science, The University of Osaka) "Mechanical Reinforcement and Tunable Degradation of Polycaprolactone via Movable Crosslink Materials with Size-Specific Cyclic Polyphenylene Sulfides"
P01	Sun Bin (Graduate School of Science, The University of Osaka) "Mechanical Reinforcement and Tunable Degradation of Polycaprolactone via
P01 [Nambu Hall (2F)]	Sun Bin (Graduate School of Science, The University of Osaka) "Mechanical Reinforcement and Tunable Degradation of Polycaprolactone via Movable Crosslink Materials with Size-Specific Cyclic Polyphenylene Sulfides" Fabiana Ferracina (Tohoku University/Mathematics Center for Cocreative Society)
P01 [Nambu Hall (2F)] P02 [Nambu Hall (2F)]	 Sun Bin (Graduate School of Science, The University of Osaka) "Mechanical Reinforcement and Tunable Degradation of Polycaprolactone via Movable Crosslink Materials with Size-Specific Cyclic Polyphenylene Sulfides" Fabiana Ferracina (Tohoku University/Mathematics Center for Cocreative Society) "Topological Data Analysis for Smarter CT Phantoms" Hosei Kinoshita (Graduate School of Science, The University of Osaka/Macromolecular Science) "Effect of recombination behavior of cross-linking points on polymer

P06 [Nambu Hall (2F)]	Marco Hug (Karlsruhe Institute of Technology (KIT) Zoological Institute Cell and Neurobiology) "AI-generated 2.5D micro-scaffolds influence stem cell behavior"
P07 [Nambu Hall (2F)]	Naohiro Okamoto (Department of Macromolecular Science, Graduate School of Science, The University of Osaka) "Supramolecular gel crosslinked with light-responsive pseudorotaxanes"
P08 [Nambu Hall (2F)]	Naoki Yamashita (Graduate School of Science, The University of Osaka) "Viscoelastic behavior of polydimethylsiloxane with reversible cross-links"
P09 [Nambu Hall (2F)]	Ramona Marten (Physical Chemistry of Biosystems Institute of Physical Chemistry Heidelberg University) "Spatio-temporal Dynamics of Pancreatic Cancer Cells in Defined Micro-Environments"
P10 [Nambu Hall (2F)]	Ryo Ejima (Graduate School of Science, The University of Osaka) "Synthesis of dense triazole polymers carrying cysteine residue and interaction with heavy metal ions"
P11 [Nambu Hall (2F)]	Yuko Nishimatsu (Graduate School of Science, The University of Osaka) "Investigating Toughness of Reversible Cross-linked Polymers Through Dynamic Viscoelasticity"
P12 [Nambu Hall (2F)]	Tonklar Khaimuk (Tohoku University, Graduate School of Information Sciences, Image Analysis Laboratory) "From Neurons to Networks: Gaussian Field Spatial Routing for Efficient Global Context"
P13 [Nambu Hall (2F)]	HU XIUYUAN (Graduate School of Science, The University of Osaka) "Highly Sensitive and Stretchable Strain Sensors Based on Conductive Elastomer Composites"
P14 [Nambu Hall (2F)]	Yuta Fukao (Graduate School of Science, The University of Osaka) "Reinforcement of Polycarbonate by Reversible Crosslinks and Mechanism of Mechanical Property Enhancement"
P15 [Nambu Hall (2F)]	Naoki Makita (Graduate School of Science, The University of Osaka) "Synthesis of Thermoresponsive Stereoregular Uniform Oligomers Bearing the Dense Triazole Backbone"

P16 "Photoresponsive Polyester with Movable Cross-links for On-Demand [Nambu Hall (2F)] Enzymatic Degradation"

Shuto Okuda (Graduate School of Science, The University of Osaka)

"Synthesis of stereoregular uniform cyclic oligomers possessing a dense 1,2,3[Nambu Hall (2F)] triazole backbone"

María Laura Herrera (Heidelberg University, Centre for Organismal Studies
P18 Developmental Biology/Physiology)

[Nambu Hall (2F)] "Retinal neurogenesis in adaptation and regeneration in Austrolebias charrua and

Xin Zhou (Graduate School of Science, The University of Osaka)

Oct. 28th (Tue)

	<chairperson :="" takashima="" yoshinori=""></chairperson>
9:45 – 10:45 L09 [Nambu Hall (2F)]	Kenji Urayama (Department of Material Chemistry, Kyoto University) "Flaw Management in Soft Polymer Materials: Resistance and Tolerance Strategies"
10:45 – 11:00 [Nambu Hall (2F)]	Coffee Break
11:00 – 12:00 L10 [Nambu Hall (2F)]	Hiroshi Jinnai (Institute of Multidisciplinary Research for Advanced Materials (IMRAM), Tohoku University) "Mechanical Properties and Nano-scale Structural Relation in Polymer Composites Studied by Advanced Electron Microscopy"
12:00 – 13:30	Lunch Break
13:30 – 14:00 S02 [Nambu Hall (2F)]	Yuichiro Kobayashi (Department of Macromolecular Science, Graduate School of Science, The University of Osaka) "Creation of sulfur polymer materials using elemental sulfur"
14:00 – 14:30 S03 [Nambu Hall (2F)]	Kenji Yamaoka (Department of Macromolecular Science, Graduate School of Science, The University of Osaka) "Interdiffusion of Polymer with Reversible Bonds"
14:30 - 14:45 [Nambu Hall (2F)]	Coffee Break
14:45 – 16:45 P19-P38	Flash Talk & Poster Presentation (Maximum 4 minutes)
P19 [Nambu Hall (2F)]	Chairperson: Masaki Nakahata, Kenji Yamaoka > Yusuke Tani (Kyoto University, Graduate School of Engineering, Department of Polymer Chemistry) "Analysis of Intercellular Adhesion Mechanisms Using Claudin-1 Reconstituted Particles for Drug Permeability Control"
P20 [Nambu Hall (2F)]	Zijun Yan (Graduate School of Science, The University of Osaka) "Synthesis of Amphiphilic Alternating Copolymers of the Dense Triazole Backbone with Controlled Stereochemistry and Degree of Polymerization"
P21 [Nambu Hall (2F)]	Kenta Homma (The University of Osaka Department of Applied Chemistry) "Fabrication of stiffness-tunable gelatin gels to explore effects of mechanical preconditioning on cellular senescence"
D22	Naho Matsuura (Graduate School of Science, The University of Osaka) "Polymor synthesis using horonic soid ester formation"

"Polymer synthesis using boronic acid ester formation"

P23 [Nambu Hall (2F)]

P24 Iori Ogasa (Graduate School of Science, The University of Osaka) [Nambu Hall (2F)] "Effect of Reversible Bonds on Polymer Interfacial Diffusion" P25 **Norifumi Fujii** (Department of Applied Physics, Graduate School of [Nambu Hall (2F)] Engineering, The University of Osaka) "Crystallization Control by laser with beam shaping" **Yunpeng Qian** (Graduate School of Science, The University of Osaka) **P26** "Actuators via Host-guest Complexes for Photoswitchable Adhesives: Selective [Nambu Hall (2F)] Peeling-off Property and Reusability" **Shogo Nagai** (Physical Chemistry of Biosystems, Institute for Physical **P27** Chemistry, Heidelberg University) [Nambu Hall (2F)] "Spatiotemporal Dynamics of Patient-derived Colorectal Cancer Organoids" **Takahisa Matsuzaki** (The University of Osaka /Department of Applied Physics) **P28** "Biophysical Evaluation of Single Cells to Multi-Cellular Tissues Toward [Nambu Hall (2F)] Understanding Life-phenomena" Wijak Yospanya (Tohoku University / Advanced Institute for Materials **P29** Research) [Nambu Hall (2F)] "Chiral Nano-Morphological Materials - The Space in Between" **Xue Li** (Department of Macromolecular Science, Graduate School of Science, P30 *The University of Osaka)* [Nambu Hall (2F)] "Creation of Polymeric Materials with Multiple Energy Dissipation Mechanisms" **Riki Yoshida** (Department of Applied Physics, Graduate school of Engineering, P31 The University of Osaka) [Nambu Hall (2F)] "Evaluation of the structure-function relationship of laser-fabricated microtubule networks" **Yuta Kameya** (Graduate School of Science, The University of Osaka) "Preparation of Citric Acid-Modified Cellulose Composites and Elucidation of P32 [Nambu Hall (2F)] Their Toughening Mechanism" **Zhuohui Liang** (Graduate School of Science, The University of Osaka) **P33** "A visible light-curable bio-synthetic hybrid hydrogel for artificial mucus [Nambu Hall (2F)] consisting of mucin and boronic acideontaining polymers"

P34 [Nambu Hall (2F)]	Chunlin Xiao (Department of Macromolecular Science, Graduate School of Science, The University of Osaka) "Reversible Mechanical Interlocking via Stimuli-Triggered Nonhomeomorphic Topology Transformation Enables Highly Efficient Rotaxane Synthesis"
P35 [Nambu Hall (2F)]	Christina Schlagheck (Heidelberg University Centre for Organismal Studies) "Matrix Matters: Guiding Retinal Patterning in Organoid Models"
P36 [Nambu Hall (2F)]	Ma Yunting (Kyoto University, Graduate School of Engineering, Department of Polymer Chemistry) "Effective complexation of Polysaccharide Scaffolds with Proteins using Singlewavelength Microwave"
P37 [Nambu Hall (2F)]	Hiroki Harada (Graduate School of Science, The University of Osaka) "Reversible Crosslinking Networks Composited with Conductive Carbon Filler Enabled High Sensitivity and Recycling Strain Sensor"
P38 [Nambu Hall (2F)]	Hikaru Kimura (Kyoto University, Graduate School of Engineering, Department of Polymer Chemistry) "Development of a Flow-Based System for Membrane Protein Continuous Synthesis"

Oct. 29th (Wed)

	<chairperson :="" joachim="" wittbrodt=""></chairperson>
9:45 - 10:45	Martin Bastmeyer (Karlsruhe Institute of Technology (KIT) Zoological Institute
L11	Cell- and Neurobiology)
[Nambu Hall (2F)]	"3D Cellular Microenvironments to Study Cell Mechanics"
10:45 – 11:00 [Nambu Hall (2F)]	Coffee Break
11:00 – 12:00 L12 [Nambu Hall (2F)]	Makoto Sato (The University of Osaka/ • Department of Child Development, Graduate School of Child Development (UGSCD); • Department of Anatomy and Neuroscience, Graduate School of Medicine) "Core Principles Underlying the Formation and Function of Neocortical Neuronal Circuits"
12:00 – 12:45 L13 [Nambu Hall (2F)]	Yoshinori Takashima (Graduate School of Science, The University of Osaka) "Enzymatic Degradation of Movable Cross-Linked Polymeric Materials"
12:45 – 13:00 [Nambu Hall (2F)]	Discussion, Evaluation & Photo