

## Poster Session [November 10<sup>th</sup> (Saturday); Sigma Hall]

Obligation time: 15:30–16:15 (odd poster number)

16:15–17:00 (even poster number)

- P-1**     Naoto Kimura, Hideyuki Nakanishi, Tomohisa Norisuye, Qui Tran-Cong Miyata  
(Kyoto Institute of Technology)  
**Phase Separation of Polymer Mixtures Induced by Photo-polymerization under Various Spatial Confinements and its Application to Materials Science**
- P-2**     Tatsuya Koto, Hideyuki Nakanishi, Tomohisa Norisuye, Qui Tan-Cong-Miyata  
(Kyoto Institute of Technology)  
**Phase Separation Dynamics and Morphologies Induced by Photopolymerization of Butyl Methacrylate Containing Fluorescein-labeled Polystyrene**
- P-3**     Chie Hayashi, Hideyuki Nakanishi, Tomohisa Norisuye, Qui Tran-Cong-Miyata  
(Kyoto Institute of Technology)  
**Generation and Control of Spatial Graded Morphologies of Polymer Mixtures Using Light Intensity Distribution**
- P-4**     Yongtai Zheng<sup>1</sup>, Akihito Hashidzume<sup>1</sup>, Yoshinori Takashima<sup>1</sup>, Hiroyasu Yamaguchi<sup>1</sup>, Akira Harada<sup>1,2</sup> (<sup>1</sup>Osaka University, <sup>2</sup>JST-CREST)  
**Temperature-Sensitive Macroscopic Assembly Based on Molecular Recognition**
- P-5**     Yuichiro Kobayashi<sup>1</sup>, Yoshinori Takashima<sup>1</sup>, Akihito Hashidzume<sup>1</sup>, Hiroyasu Yamaguchi<sup>1</sup>, Akira Harada<sup>1,2</sup> (<sup>1</sup>Osaka University, <sup>2</sup>JST-CREST)  
**Assembly of Iron-porphyrin and L-Histidine Gel through Metal-ligand Interactions**
- P-6**     Masaki Nakahata<sup>1</sup>, Yoshinori Takashima<sup>1</sup>, Hiroyasu Yamaguchi<sup>1</sup>, Akira Harada<sup>1,2</sup>  
(<sup>1</sup>Osaka University, <sup>2</sup>JST-CREST)  
**Stretchable Supramolecular Hydrogel Using Redox-responsive Host-guest Interaction**
- P-7**     Takahiro Kakuta<sup>1</sup>, Yoshinori Takashima<sup>1</sup>, Masaki Nakahata<sup>1</sup>, Miyuki Otsubo<sup>1</sup>, Hiroyasu Yamaguchi<sup>1</sup>, Akira Harada<sup>1,2</sup> (<sup>1</sup>Osaka University, <sup>2</sup>JST-CREST)  
**Formation of Self-healable Hydrogels through Host-Guest Interaction**
- P-8**     Tomoaki Nakamura, Dai Sakaguchi, Akihito Hashidzume, Takahiro Sato  
(Osaka University)  
**Copper-Catalyzed Azide-Alkyne [3 + 2] Cycloaddition Polymerization of 3-Azido-1-propyne Derivatives**

- P-9** Naoya Kanbayashi, Taka-aki Okamura, Kiyotaka Onitsuka (Osaka University)  
**Asymmetric Polymerization Using Repeated Asymmetric Allylic Amidation Catalyzed by Planar-Chiral Cyclopentadienyl-Ruthenium Complex**
- P-10** Tomoko Sekine, Taka-aki Okamura, Kiyotaka Onitsuka (Osaka University)  
**Luminescent Properties of Polyisocyanides with Aromatic Pendants**
- P-11** Yasuhiro Kohsaka, Yusuke Matsumoto, Tatsuki Kitayama (Osaka University)  
**Polymerization of  $\alpha$ -(Aminomethyl)acrylate toward Water Soluble pH/Temperature Responsive Materials**
- P-12** Kazuki Osawa<sup>a</sup>, Shin-ichi Yusa,<sup>a</sup> Toyoko Imae,<sup>b</sup> Masaki Ujihara,<sup>b</sup> Atsushi Harada,<sup>c</sup> Kanako Ochi,<sup>c</sup> Kazuhiko Ishihara<sup>d</sup> (<sup>a</sup>University of Hyogo, <sup>b</sup>National Taiwan University of Science and Technology, <sup>c</sup>Osaka Prefecture University, <sup>d</sup>University of Tokyo)  
**Association Behavior of Amphiphilic Diblock Copolymers with Pendant Dendron Groups**
- P-13** Yunfeng Zhao<sup>1</sup>, Yijing Nie<sup>2</sup>, Wenbing Hu<sup>2</sup>, Go Matsuba<sup>1</sup>, Hiroshi Ito<sup>1</sup>  
(<sup>1</sup>Yamagata University, <sup>2</sup>Nanjing University)  
**In-Situ Observations of Flow-Induced Precursors**
- P-14** Go Matsuba<sup>1</sup>, Sayuri Hanano<sup>1</sup>, Naoto Tomita<sup>1</sup>, Taiki Tominaga<sup>2</sup>, Shinichi Takata<sup>2</sup>  
(<sup>1</sup>Yamagata University, <sup>2</sup>J-PARC Center)  
**Observation of Structure Formation during Drawing of Polyethylene with a New SANS Spectrometer, "TAIKAN".**
- P-15** Tatsuki Nyuui<sup>1</sup>, Go Matsuba<sup>1</sup>, Shuichi Sato<sup>2</sup>, Kazukiyo Nagai<sup>2</sup>, Toshikazu Miyoshi<sup>3</sup>  
(<sup>1</sup>Yamagata University, <sup>2</sup>Meiji University, <sup>3</sup>University of Akron).  
**Crystalline Structure Analysis and Molecular Dynamics of Poly (lactic acid)**
- P-16** Kota Henmi<sup>1</sup>, Go Matsuba<sup>1</sup>, Hideto Tsuji<sup>2</sup>, Takahiko Kawai<sup>3</sup>, Toshiji Kanaya<sup>4</sup>, Koji Nishida<sup>4</sup>, Kiyotsuna Toyohara<sup>5</sup>, Akimichi Oda<sup>5</sup> (<sup>1</sup>Yamagata University, <sup>2</sup>Toyohashi University of Technology, <sup>3</sup>Gunma University, <sup>4</sup>Kyoto University, <sup>5</sup>Teijin Limited)  
**Observation of Poly(L-lactic acid)/Poly(D-lactic acid) Crystallization Processes with High-Speed Temperature Jump Technique**
- P-17** Nguyen Dung Tien<sup>1</sup>, Yukihiro Nishikawa<sup>2</sup>, Masatoshi Tosaka<sup>3</sup>, Sono Sasaki<sup>1</sup>  
Shinichi Sakurai<sup>1</sup> (<sup>1,2</sup>Kyoto Institute of Technology, <sup>3</sup> Kyoto University)  
**SAXS/Electron Microscopy/X-ray CT Studies on Structural Formation of Poly(D,L-lactide)/Poly(ethylene oxide) Blends**

- P-18** Fumitoshi Kaneko<sup>1</sup>, Aurel Radulescu<sup>2</sup>, Naoki Seto<sup>1</sup> and Koichi Ute<sup>3</sup>  
(<sup>1</sup>Osaka University, <sup>2</sup>Jülich Centre for Neutron Science, <sup>3</sup>University of Tokushima)  
**Crystalline Complexes of Syndiotactic Polystyrene**
- P-19** N. Seto<sup>1</sup>, K.Sasaki<sup>1</sup>, F.Kaneko<sup>1</sup>, S. Sakurai<sup>2</sup> (<sup>1</sup>Osaka University, <sup>2</sup>Kyoto Institute of Technology)  
**Structural Study on Guest Exchange Processes of Syndiotactic Polystyrene by Time-resolved Simultaneous SAXS and WAXS Measurements**
- P-20** Yusuke Kondo, Naoya Torikai, Masami Kawaguchi (Mie University)  
**Dispersion of Fumed Silica in a Polymeric Matrix by Polymer Adsorption**
- P-21** Hiroto Ozaki and Tsuyoshi Koga (Kyoto University)  
**Network Formation and Mechanical Property of Telechelic Associating Polymers with Fixed Junction Multiplicity**
- P-22** Hiroyuki Kojima<sup>1</sup>, Fumihiko Tanaka<sup>1,2</sup>  
(<sup>1</sup>Kyoto University, <sup>2</sup>Institute of Theoretical Polymer Science)  
**Cooperative Hydration and Synergistic Depression of the Transition Temperature of Thermosensitive Copolymer Hydrogels**
- P-23** Ryusuke Nozaki (Hokkaido University)  
**Origin of Dielectric Boson Peak in Hydrogen Bonding Liquids**
- P-24** Ayaka Maeda and Tadashi Inoue (Osaka University)  
**Dynamic Rigidity of Polysaccharides in Ionic Liquids**
- P-25** Yuichi Masubuchi (Kyoto University)  
**Multi-chain Sliplink Simulations for Entangled Polymer Dynamics**
- P-26** Ken Morishima and Tadashi Inoue (Osaka University)  
**Molecular Weight of Threadlike Micelles Composed of Nonionic Surfactant; Estimation by Viscoelastic Measurement**
- P-27** Shogo Nobukawa,<sup>1</sup> Hiroki Hayashi,<sup>1</sup> Hiroshi Yoshimura,<sup>2</sup> Yutaka Tachikawa,<sup>2</sup> Masayuki Yamaguchi<sup>1</sup> (<sup>1</sup>Japan Advanced Institute of Science and Technology, <sup>2</sup>DIC Corporation, Japan)  
**Effect Aromatic Compounds on Orientation Birefringence for Cellulose Ester Film**

- P-28**    K. Tawa<sup>1</sup>, C. Yasui<sup>1,2</sup>, C. Hosokawa<sup>1</sup>, J. Nishii<sup>3</sup>, H. Aota<sup>2</sup> (<sup>1</sup>HRI, AIST, <sup>2</sup>Kansai University, <sup>3</sup>Hokaido University)  
**Sensitive Fluorescence Microscopic Observation of Nerve Cell Cultured on a Plasmonic Chip**
- P-29**    Ayaka Umemoto, Hisashi Yagi, Yuichi Yoshimura, and Yuji Goto (Osaka University)  
**The Mechanisms of Amyloid Fibril Formation of Hen Egg Lysozyme Revealed by HANdai Amyloid Burst Inducer**
- P-30**    Yuxi Lin, Young-Ho Lee, Yuichi Yoshimura, Yuji Goto (Osaka University)  
**Solubility and Supersaturation-Limited Conformational States of Hen Egg White Lysozyme**
- P-31**    Kazuto Yoshiba (Gunma University)  
**Dynamics of Hydration Water in Aqueous Solution of Schizophyllan, a Triple Helical Polysaccharide**
- P-32**    Hiroki Yamamura, Keiko Tamada, Ken Terao, Takahiro Sato (Osaka University)  
**Conformation of Single-Stranded DNA in Aqueous Solution**
- P-33**    Huidan Liu and Takahiro Sato (Osaka University)  
**Polymer Colloids Formed by Polyelectrolyte Complexation of Vinyl Polymers and Polysaccharides in Aqueous Solution**
- P-34**    Yo Nakamura (Kyoto University)  
**Inter- and Intramolecular Interactions of Brush-Like Polymers**
- P-35**    Daichi Ida and Takenao Yoshizaki (Kyoto University)  
**Topological Interaction between Semiexible Ring Polymers**
- P-36**    Ken Terao,<sup>1</sup> Natsuki Asano,<sup>1</sup> Kazuya Shigeuchi,<sup>1</sup> Keiko Oyamada,<sup>1</sup> Shinichi, Kitamura,<sup>1</sup> Takahiro Sato<sup>1</sup> (<sup>1</sup>Osaka University, <sup>2</sup> Osaka Prefecture University)  
**Dimensions and Intermolecular Interactions of Rigid Cyclic Polymers in Solution**
- P-37**    Takashi Okuhara, Akihito Hashizume, Takahiro Sato (Osaka University)  
**Dispersion Behavior of Hydrophilically Modified Poly(dimethylsiloxane) in Mixtures of Water and Methanol**

- P-38**     Kai Uramoto, Takuya Shimomachi, Akihito Hashizume, Takahiro Sato (Osaka University)  
**Interaction of an Amphiphilic Alternating Copolymer with a Low Molecular Weight Surfactant in Aqueous Solution**
- P-39**     Shigeyoshi Osaki (Nara Medical University)  
**An Approach to High Strong Strings Having Unique Packing Structure with No Openings among Filaments**
- P-40**     Takashi Matsuhira and Shigeyoshi Osaki (Nara Medical University)  
**Effects of UV Rays upon Molecular Weight of Spider Silk**
- P-41**     Keizo Yamamoto and Shigeyoshi Osaki (Nara Medical University)  
**Steric Hindrances Decide Substrate Specificity of  $\alpha$ -Glucosidase from *Saccharomyces cerevisiae***
- P-42**     Yukihiro Nishikawa, Shougo Kojima, Masaoki Takahashi (Kyoto Institute of Technology)  
**Determination of Flory's  $\chi$ -parameters of Polymer Blends by X-ray CT**
- P-43**     Yoshito Fujita<sup>1</sup>, Kenji Kinashi<sup>1</sup>, Wataru Sakai<sup>1</sup>, Naoto Tsutsumi<sup>1</sup>, Ken Horita<sup>2</sup>  
(<sup>1</sup>Kyoto Institute of Technology, <sup>2</sup>Polyplastics Co., Ltd.)  
**Spin-Trapping Analysis for Thermal Degradation of Poly(oxymethylene)**
- P-44**     Ryotaro Nakamura, Kenji Kinashi, Wataru Sakai, Naoto Tsutsumi  
(Kyoto Institute of Technology)  
**Photo-reduction of Silver Ion through Two-photon Excitation by Femtosecond Laser**
- P-45**     H. N. Giang, Kenji Kinashi, Wataru Sakai, Naoto Tsutsumi (Kyoto Institute of Technology)  
**Wavelength Dependence of Photorefractive Properties Using Composite Based on Poly(4-(Diphenylamino)benzyl acrylate)**
- P-46**     Yuki Hasenaka, Taka-aki Okamura, Kiyotaka Onitsuka (Osaka University)  
**Synthesis, Structures, and Properties of Molybdo- and Tungstoenzyme Models Surrounded by Super-Bulky Hydrophobic Substituents**