

## Poster presentations List

Presentation Time: Nov. 8<sup>th</sup> 13:30-14:30 (Odd No Posters), Nov. 8<sup>th</sup> 14:30-15:30 (Even No Posters)

P1 S. Wilcox, M. Erdelyi

*Uppsala University*

**A High Sensitivity NMR Technique to Probe Weak Interactions**

P2 C. Fujiwara<sup>1</sup>, S. Kurosawa<sup>1,2</sup>, A. Yamaji<sup>1</sup>, Y. Ohashi<sup>1</sup>, Y. Yokota<sup>1</sup>, K. Kamada<sup>1,3</sup>, H. Sato<sup>1</sup>, S. Toyoda<sup>1</sup>, M. Yoshino<sup>1</sup>, T. Hanada<sup>1</sup>, R. Murakami<sup>1</sup>, T. Horiai<sup>1</sup>, A. Yoshikawa<sup>1,3</sup>

<sup>1</sup>Tohoku University, <sup>2</sup>Osaka University, <sup>3</sup>C&A Corporation

**Luminescence Properties of Li<sub>2</sub>Hf(Br, I)<sub>6</sub> Neutron Scintillator**

P3 A. Taylor, A. Docker, P. D. Beer

*University of Oxford*

**Cooperativity and Dynamic Conformational Control in Heteroditopic, Halogen Bonding Ion-Pair Receptors**

P4 S. Peintner, M. Erdélyi

*Uppsala University – BMC*

**Effective strength and geometry of flexible halogen bonds in solution**

P5 Y. Shimada<sup>1</sup>, K. Tori<sup>1</sup>, M. Nozaki<sup>1</sup>, M. Gomi<sup>1</sup>, E. Nakajima<sup>2</sup>, T. Nishida<sup>2</sup>, Y. Imoto<sup>2</sup>

<sup>1</sup>Kobayashi Pharmaceutical Co., <sup>2</sup>Japan Textile Products Quality and Technology Center

**The inactivating efficacy to pharyngeal infectious viruses with active ingredients such as iodine in the medicine for a sore throat**

P6 A. Singh<sup>1</sup>, A. T. Huerta<sup>1</sup>, T. Vanderlinden<sup>1</sup>, N. Renier<sup>1</sup>, L. M. Crespo<sup>1</sup>, N. Tumanov<sup>2</sup>, J. Wouters<sup>2</sup>, K. Bartik<sup>1</sup>, I. Jabin<sup>1</sup>, H. Valkenier<sup>1</sup>

<sup>1</sup>Université libre de Bruxelles (ULB), <sup>2</sup>University of Namur (Unamur)

**Calix[6]arenes with halogen bond donor groups as selective and efficient anion transporters**

P7 T. Wajima<sup>1</sup>, S. Asakura<sup>2</sup>, T. Sato<sup>2</sup>

<sup>1</sup>Chiba University, <sup>2</sup>Ise Chemicals Corporation

**Selective Removal of Fluoride Ion from Iodine-containing Solution using Zirconium Silicate (ZrSiO<sub>4</sub>)**

P8 M. G. Walker, C. G. Mendez, A. N. Ho, R. S. Czarny, A. K. Rappé, P. S. Ho

*Colorado State University*

**Characterizing the Halogenated Catalytic center of the cX-Zyme**

P9 T. Miyashita<sup>1</sup>, Y. Iga<sup>1</sup>, S. Takahara<sup>1</sup>, T. Kaiho<sup>1,2</sup>

<sup>1</sup>Chiba University, <sup>2</sup>Godō Shigen Co.

**The Novel XB-Acceptor Motives Derived from Bis and Tris(4-Nitrophenyl-1,4-dihydropyridine)**

P10 S. Kondo, M. Akazome, S. Matsumoto

*Chiba University*

**Formation, Crystal Structure, and Electric Conductivity of 5-Iodobenzo[4,5]thiazolo[2,3-a]isoquinolin-7-ium Salts**

- P11 L. Kumar<sup>1</sup>, K. Leko<sup>2</sup>  
*<sup>1</sup>University of Warsaw, <sup>2</sup>University of Zagreb*  
**Inspiring Mechanochemical interconversions of halogen-bonded cocrystals by periodic DFT calculations**
- P12 H. Komatsu<sup>1</sup>, Y. Yamaguchi<sup>1</sup>, M. Onouchi<sup>1</sup>, M. Miyamoto, A. Goto<sup>2</sup>  
*<sup>1</sup>Godo Shigen Co., <sup>2</sup>Nanyang Technological University*  
**Functionalized Organoiodine Initiators for Living Radical Polymerization Driven by Halogen Bonding**
- P13 T. Hori<sup>1,2</sup>, T. Fujinami<sup>1</sup>, N. Ohtsuka<sup>1,2</sup>, N. Momiyama<sup>1,2</sup>  
*<sup>1</sup>Institute for Molecular Science, <sup>2</sup>SOKENDAI*  
**Development of DMAP-Pendant Polymer Catalysts via Halogen Bond**
- P14 T. Takenami, N. Suda, T. Kureha  
*Hirosaki University*  
**Separation of Organic Halogen Compounds by Hydrogel Adsorbent**
- P15 K. Tagami, T. Yajima  
*Ochanomizu University*  
**Halogen-Bond Promoted Metal-Free Hydroxy-Perfluoroalkylation of Conjugated Olefins**
- P16 E. Amma, T. Suzuki, T. Arai  
*Chiba University*  
**Development of Highly Enantioselective Iodoazolation Inspired by Multinuclear Zn-catalyzed Iodoesterification**
- P17 Y. Hoshino, K. Moriyama  
*Chiba University*  
**Six-membered Ring Bromoetherification of Alkenyl Alcohols Using N-oxide Catalyst**
- P18 M. Kato<sup>1,2</sup>, T. Fujinami<sup>1</sup>, N. Ohtsuka<sup>1,2</sup>, N. Momiyama<sup>1,2</sup>  
*<sup>1</sup>Institute for Molecular Science, <sup>2</sup>SOKENDAI*  
**Development of Halogen Bond Donor Catalyst with Neutral Iodine and Iodonium**
- P19 N. Ohtsuka<sup>1,2</sup>, H. Ota<sup>1,2</sup>, T. Suzuki<sup>1</sup>, N. Momiyama<sup>1,2</sup>  
*<sup>1</sup>Institute for Molecular Science, <sup>2</sup>SOKENDAI*  
**Development of Halogenation Reaction for Fluorinated-Polyaromatics and Synthesis of Novel Neutral Halogen Bond Donor**
- P20 S. Oishi<sup>1,2</sup>, T. Fujinami<sup>2</sup>, N. Ohtsuka<sup>1,2</sup>, N. Momiyama<sup>1,2</sup>  
*<sup>1</sup>SOKENDAI, <sup>2</sup>Institute for Molecular Science*  
**Exploring Scope of Anion-Binding Catalysis by Bis-Pyridine Halogen(I) Complex and Its Quantitative Analysis**
- P21 J. Kikuchi<sup>1</sup>, K. Maesaki<sup>1</sup>, S. Sasaki<sup>1</sup>, W. Wang<sup>2</sup>, S. Ito<sup>2</sup>, and N. Yoshikai<sup>1</sup>  
*<sup>1</sup>Tohoku University, <sup>2</sup>Nanyang Technological University*  
**Stereoselective Synthesis of  $\beta$ -Alkoxy- $\beta$ -amido Vinylbenziodoxoles via Iodo(III)etherification of Ynamides**

- P22 Y. Kobayashi<sup>1</sup>, T. Kimura<sup>2</sup>, S. Yamamoto<sup>1</sup>, S. Hamada<sup>1</sup>, T. Furuta<sup>1</sup>, Y. Takemoto<sup>2</sup>  
*<sup>1</sup>Kyoto Pharmaceutical University, <sup>2</sup>Kyoto University*  
**Synthesis, Characterization, and Application of *N*-Acylimino-*I*<sup>3</sup>-iodanes bearing Intramolecular Halogen Bonding**
- P23 Y. Kondo, H. Kimura, M. Sasaki, Y. Hattori, H. Kawashima, H. Yasui  
*Kyoto Pharmaceutical University*  
**Synthesis of Radioiodinated Peptides by Direct and Indirect Radiolabeling Using a Copper-Mediated Iododeboronation**
- P24 S. Kuwano, E. Takahashi, J. Kikushima, Y. Ishikawa, S. Sase, K. Goto  
*Tokyo Institute of Technology*  
**NMR Study of a Reaction of an Isolable Selenenyl Iodide with an Alkene and Its Application to Oxyselenation and Aminoselenation**
- P25 S. Minabe, H. Tanaka, M. Uyanik, K. Ishihara  
*Nagoya University*  
**Enantioselective Oxidative Biaryl Coupling Using Chiral Hypervalent Iodine(III) Compounds**
- P26 K. Miyamoto<sup>1</sup>, J. Kanazawa<sup>1</sup>, M. Uchiyama<sup>1,2</sup>  
*<sup>1</sup>The University of Tokyo, <sup>2</sup>Shinshu University*  
 **$\alpha$ -Cyclodextrin Encapsulation of Iodobicyclo[1.1.1]pentanes and Its Derivatives: A Storable Feedstock for Preparation of [1.1.1]Propellane**
- P27 K. Nagami, S. Ohmura, K. Ishihara  
*Nagoya University*  
**Lewis Base–Silyl Lewis Acid Cooperative Catalyzed Iodochlorination of Alkenes**
- P28 T. Steinke, P. Wonner, L. Vogel, Stefan M. Huber  
*Ruhr-Universität Bochum*  
**Carbonyl Activation by Chalcogen Bonding in a Michael Addition Reaction**
- P29 T. Sugiyama, S. Minakata  
*Osaka University*  
**Stereoselective Vicinal Diamination of Electron-Deficient Olefins Utilizing *N*-Halosulfonamides**
- P30 J. Wolf<sup>1</sup>, F. Huber<sup>2</sup>, N. Erochok<sup>1</sup>, F. Heinen<sup>1</sup>, V. Guérin<sup>3</sup>, C. Y. Legault<sup>3</sup>, S. F. Kirsch<sup>2</sup>, S. M. Huber<sup>1</sup>  
*<sup>1</sup>Ruhr-Universität Bochum, <sup>2</sup>Bergische Universität Wuppertal, <sup>3</sup>Université de Sherbrooke*  
**Activation of Metal-Halogen Bonds by Halogen Bonding**
- P31 E. Yamaguchi, A. Itoh  
*Gifu Pharmaceutical University*  
**Halogen-bonding controlled photoinduced C-X Borylation of Aryl Halide**
- P32 A. Yamazaki, S. Michii, R. Haraguchi  
*Chiba Institute of Technology, Chiba, Japan*  
**Development of Polyfluorinated Cationic Halogen-Bonding-Donors**

## **Sponsor Exhibition**

- Exh1 Godo Shigen Co., Ltd.
- Exh2 K&O Iodine Co., Ltd.
- Exh3 Nippoh Chemicals Co., Ltd.
- Exh4 Thermo Fisher Scientific Inc.
- Exh5 Tokyo Chemical Industry Co., Ltd.
- Exh6 Ezaki Glico Co., Ltd.