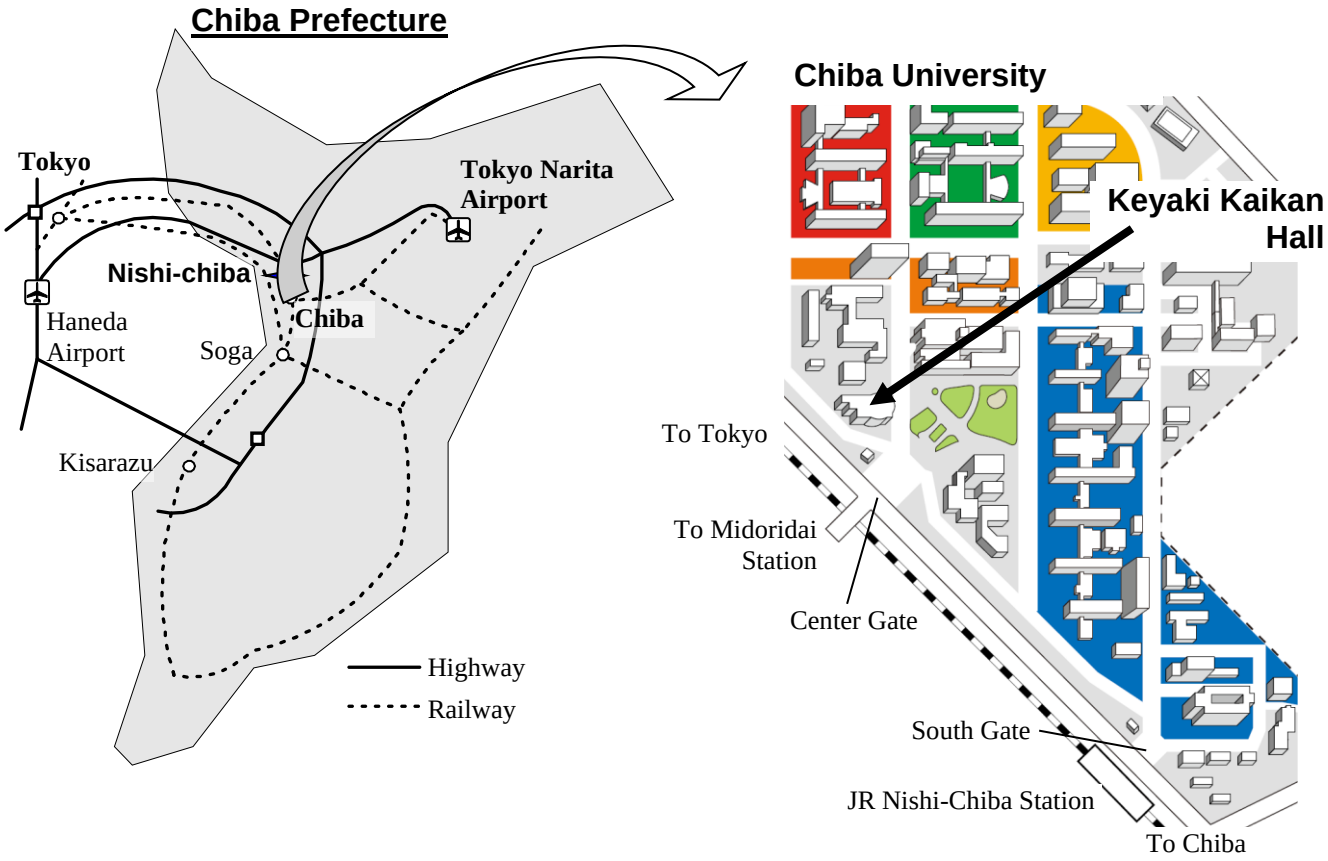
The 27th Symposium on the Society of Iodine Science

September 13, 2024
Keyaki Kaikan Hall in Chiba University, Chiba, Japan



SPONSORED by **SIS** The Society of Iodine Science
COSPONSORS : The Chemical Society of Japan
Japan Iodine Industry Association
Chiba University

Correspondence

For more information please contact to Secretariat of SIS .

Post mail: The Society of Iodine Science-Office
Chiba Iodine Resource Innovation Center, Chiba University
1-33, Yayoi-cho, Inage-ku, Chiba, 263-8522, Japan
Phone : +81-43-290-3402 FAX : +81-43-290-3402
E-mail : sis@fiu-iodine.org
URL : https://fiu-iodine.org.

The 27th Symposium on the Society of Iodine Science

Time table (September 13th)

LECTURES	
9:00~ 9:05	<Opening Address > Koutaro Yokote (President of Chiba University)
Chair: T. Kaiho	
9:05~9:40	<Invited Lecture> Gabriella Cavallo (Politecnico di Milano) **"Tuning Structure and Functional Properties of Hybrid Lead-Iodide Perovskites via Fluorinated Cations"**
Chair: S.Matsumoto	
9:40~9:55	<Oral Presentation> Kazuhiko Yamada (Kochi University) **"Development of Solid-State Iodine-127 NMR"**
9:55~10:10	<Oral Presentation> Aoi Tokutake, Hiromasa Goto (Department of Materials Science, University of Tsukuba) **"Iodine Doping Effects on New Dye-Based Conjugated Polymers"**
10:10~10:25	＜Oral Presentation＞Shunsuke Kurosawa[1,2,3], Yusuke Urano[2,4], Daichi Sato[1], Akihiro Yamaji[1,2] ([1]NICHe, Tohoku University; [2]IMR, Tohoku University, [3]ILE Osaka University; [4]Graduate School of Science, Tohoku University) **"Growth and Optical Properties for Novel Iodide Scintillators"**
10:25~10:40	<Oral Presentation> Beate Heissig[1,2], Koichi Hattori[1] ([1] Center for Genome and Regenerative Medicine, Graduate School of Medicine, Juntendo University; [2] Department of Research Support Utilizing Bioresource Bank, Graduate School of Medicine, Juntendo University,) **"The Sodium Iodide Symporter Mediating the Active Transport of ^{131}I Plays a Key Role in Radioimmunotherapy"**
Chair: H. Kanoh	
10:40~11:15	< Invited Lecture > Takurou N. Murakami (National Institute of Advanced Industrial Science and Technology) **"Development of Visible-Light Induced Reactions using Perfluoroalkyl Iodide as a Fluorine Source"**
11:20~12:30	<Short Speeches on Poster Presentations>
POSTER PRESENTATIONS KEYAKI Reception Hall (3F)	
13:30~14:50	Presentation, question, and answer
COMMENDATION CEREMONY and LECTURES KEYAKI Hall (1F)	
14:55～15:00	Commendation ceremony
Chair: T. Minakata	
15:00~15:35	< Award Lecture > Hiroyuki Abe (Central Pharmaceutical Research Institute, JAPAN TOBACCO INC.) **"Discovery of an Iodine-Containing Compound, Trametinib as a Molecular Targeted Drug for Cancer"**
Chair: S. Nakajima	
15:35~15:50	< Oral Presentation > Muhammet Uyanik, Shunsuke Minabe, Hiroki Tanaka, Kazuaki Ishihara (Graduate School of Engineering, Nagoya University) **"Chiral Hypervalent Iodine-Catalyzed Enantioselective Oxidative Biaryl Coupling Reaction"**
15:50~16:05	<Oral Presentation> Kazuki Kawanaka, Shusuke Narita, Kensuke Kiyokawa, Satoshi Minakata (Graduate School of Engineering, Osaka University) **"Synthesis of Aminobenziodoxolones and Their Application to Electrophilic Amination of Arylboronic Acids"**
16:05~16:20	<Oral Presentation> Shohei Abe[1], Jun Kikuchi[1], Arimasa Matsumoto[2], Naohiko Yoshikai[1] ([1]Graduate School of Pharmaceutical Science, Tohoku University; [2]Faculty of Science, Nara Women's University) **"Synthesis and Properties of Carbon–Iodine Bond Atropisomers"**
16:20~16:35	< Oral Presentation > Ryo Kawakami, Hiromasa Goto (University of Tsukuba) **"One-Pot Synthesis of Conjugated Polymers in Liquid Crystals Using Still-Coupling Electropolymerization with Diiodoaryl as an Intermediate"**
Chair: K. Ishihara	
16:35~17:10	<Invited Lecture> Chi Zhang (Nankai University) **"Developing New Hypervalent Iodine Reagents: Enabling Unprecedented Reactivity"**
17:15~17:30	Poster Award Commendation

Poster Presentation

Presenters are requested to be at ***KEYAKI Reception Hall (3F)*** for discussions:

"S" mark before the poster number shows to give a short speech on poster presentation.

No.	"**Title**" (Affiliation) Author , Co-authors
S01	**"Synthesis of Dithiophosphate Salts Using Halogen Bonds and Its Application"** (Graduate School of Pharmaceutical Science, Kyoto Pharmaceutical University) Mei Ikeda, Sakura Tsujikawa, Shohei Hamada, Takumi Furuta, Yusuke Kobayashi
02	**"Developments and Applications of Chiral Iodonium Salts with Urea Moieties"** ([1]Graduate School of Engineering, Chiba University; [2]IAAR, Chiba University) Shinano Kobayashi,[1] Yasushi Yoshida,[1,2] Takashi Mino[1]
03	**"Development of Chiral Iodonium Salt Catalysis Driven with Only Halogen-Bonding"** ([1]Graduate School of Engineering, Chiba University; [2]IAAR, Chiba University) Kaito Hamada[1], Yasushi Yoshida[1,2], Hiromichi Funakubo[1], Takashi Mino[1,] Masami Sakamoto[1]
04	**"Preparation of Sulfonium and Phosphonium Salts Using Arylbenziodoxaborole"** (Faculty of Pharmaceutical Sciences, Aomori University) Akira Yoshimura, Kim Ngo, Viktor V. Zhdankin, Akio Saito
S05	**"Structure and Reactivity of Hypervalent Organochlorane(V) Synthesized by the Nucleophilic Substitution of Diaryliodane(III)"** ([1]Graduate School of Pharmaceutical Sciences, The University of Tokyo; [2]Faculy of Pharmacy, Keio University; [3]Shinshu University, RISM) Koki Kawashima[1], Taisei Takagi[1], Kazunori Miyamoto[1,2], Masanobu Uchiyama[1,3]
S06	**"Synthesis of Multi-Substituted Pyrrolidines by Hofmann–Löffler-Type Cyclization Using Hypervalent Iodine Reagent"** ([1]Graduate School of Pharmaceutical Sciences, Ritsumeikan University; Faculty of Pharmacy, [2]Mukogawa Women's University) Yuita Tanaka[1], Hirotaka Sasa[2], Kotaro Kikushima[1], Toshihumi Dohi[1]
07	**"Synthetic Study of Trisubstituted Oxazole Using Hypervalent Iodine and Its Application to the Treatment of Type 2 Diabetes."** (Showa Pharmaceutical University) Hiroaki Ishida, Yuma Iwamoto, Shoya Homma, Toshimasa Itoh
S08	**"Remote Iodo-Esterification of 2-Substituted Indole Derivatives Using Hypervalent Iodine(III)"** (Graduate School of Science, Chiba University) Hiroko Wasaki, Katsuhiko Moriyama
S09	**"Oxidative Remote Aryl Rearrangement of *N*-Cinnamyl-*N*-alkoxybenzyl Sulfonamides Using Hypervalent Iodine(III)"** (Graduate School of Science, Chiba University;) Honoka Kasahara, Mami Suzuki, Katsuhiko Moriyama
S10	**"C-N Axial Chiral Iodoaniline Catalysts for Enantioselective α-Tosyloxylation"** (Graduate School of Science, Chiba University) Ryusei Marushima, Katsuhiko Moriyama
S11	**"Oxazole Synthesis with Introduction of Aryl Group by Iodine(III)-Catalysis using Sulfoxide as Oxidant"** (Institute of Engineering, Tokyo University of Agriculture and Technology) Miwa Shoji, Yuki Umakoshi, Akira Tubouchi, Akio Saito
12	**"Asymmetric Iodoetherification of *ortho*-Allylphenols Using Chiral Multinuclear Zn Bis(aminoimino)binaphthoxide Complex"** (Graduate School of Science, Chiba University) Yuki Namba, Takayoshi Arai
S13	**"Quaternary Ammonium Hypoiodite-catalysis for γ-Selective Oxidative Cycloetherification of α,β-Unsaturated Carbonyls"** (Nagoya University) Kotaro Asada, Kai Matsui, Muhammet Uyanik, Kazuaki Ishihara
S14	**"Ester Aminolysis Using 6-Iodo-2-pyridone Catalyst and Its Application Toward Solution Phase Peptide Synthesis"** (Faculty of Pharmaceutical Sciences, Kobe Pharmaceutical University; Faculty of Pharmaceutical Sciences, Toho University) Takeshi Yamada, Nanako Tsuji, Mioko Nasu, Waka Oda, Marin Gogami, Takeshi Yoshikawa, Ken Sakata, Manabu Hatano

S15	**"Innovative Functionalization of Amide Using Iodoazolium Salt"** (Department of Pharmaceutical Science, Kyoto Pharmaceutical University) Satoko Tsukihara, Hirofumi Konishi, Shohei Hamada, Takumi Furuta, & Yusuke Kobayashi
S16	**"Construction of Spiro[5.5]undecane Framework by Dearomative Iodocyclization"** (Faculty of Pharmaceutical Sciences, University of Toyama) Takashi Okitsu, Sahori Koyama, Takayuki Yakura
17	**"Development of a Method for Synthesizing Triazole-Substituted Indoles via Gold-Catalyzed Diynylation"** (Gifu Pharmaceutical University) Norihiro Tada, Yuta Kubota, Akichika Itoh
S18	**"Double-Iodocyclization Reaction of Tetraaryl[4]cumulenes to Construct Spirocyclic Scaffolds"** ([1]Tokushima University; [2]Instute of pLED, Tokushima University;) Tsubasa Ito[1], Ueta Shoko[1], Keiji Minagawa[1], Fumitoshi Yagishita[1,2]
19	**"Synthesis of [1]Benzothieno[3,2-*b*][1]benzothiophenes through Iodine-Mediated Sulfur Insertion Reaction"** (Graduate School of Science, Chiba University) Katsuki Nagano, Kazuki Ito, Kohei Nakamura, Kazuhiro Yoshida
20	**"Iodine Catalysis in the Fluorination Reaction of Alkenes"** (Faculty of Science and Engineering, Saga University) Tsugio Kitamura, Juzo Oyamada
S21	**"Polyaminothiophene: A New Type Conductive Polymer Obtained by Polymerization of Aminothiophene Synthesized with a Trace Amount of Iodine as a Monomer"** (University of Tsukuba) Sae Kohroki ,Hiromasa Goto
S22	**"Radical Polymerization of Styrene with Soliton as Initiator on Iodine Doped Poly(phenylacetylene)"** (University of Tsukuba) Kanata Kimura, Hiromasa Goto
S23	**"Synthesis and Evaluation of Polystyrene Using Iodine Radicals Generated by Plasma"** (University of Tsukuba) Takashi Tomita, Hiromasa Goto
S24	**"Iodine Doping of Conducting Polymers Synthesized in Liquid Crystal"** (University of Tsukuba) Ryo Kawakami, Hiromasa Goto
S25	**"Electrolytic Synthesis and Iodine Doping of Conductive Polymers in Polymeric Liquid Crystal Ethylcellulose"** (University of Tsukuba) Ryo Kawakami, Hiromasa Goto
S26	**"Synthesis of Conjugated Polymers Using Stille Coupling and Iodine Doping"** (Department of Materials Science, University of Tsukuba) Aoi Tokutake, Hiromasa Goto
S27	**"Polyaniline-Based Iodine Adsorption System"** (Department of Materials Science, University of Tsukuba) Aoi Tokutake, Hiromasa Goto
S28	**"Development of Iodine Trapping Method with Polysorbate 80 Coating Resin"** ([1]Graduate School of Science and Engineering, Yamagata University;[2]Ise Chemicals Corporation) Shingo Shimada[1], Shigekazu Yano[1], Satoshi Asakura[2], Takahiro Satou[2]
S29	**"Crystal Structure of Thiazol-3-ium-4-olates Depending on the Iodine Substitution"** (Graduate School of Engineering, Chiba University) Shun Suzuki, Motohiro Akazome, Shoji Matsumoto
30	**"Fablication of Cathode Materials for All-Solid-State Battery Using Solvent-Free Synthesis Reaction with Iodine and Their Charge/Discharge Properties"** (Nattional Institute of Technology, Yonago College; Osaka Reserch Institute of Industrial Science and Technology; Kwansei University) Kazuki Shinoda, Yusei Noda, Kosei Nawa, Takeshi Shimizu, Mari Yamamoto, Atsutaka Kato, Masaya Takahashi, Naoki Tanifuji
S31	**"Effect of Solid Solution of I, Br, and Cl on Thermoelectric Properties of PbS"** (Chiba Institute of Technology) Hayato Ajima, Akito Hayashi, Kaoru Igarashi

S32	**"Electric Conductivity of PbTe-RbI Solid Solution"** (Chiba Institute of Technology) Kyosuke Nemoto, Kaoru Igarashi
S33	**"Thermoelectric Properties of PbTe-AgI Solid Solution"** (Chiba Institute of Technology) Hiroki Kobori, Kaoru Igarashi
34	**"Development of Bromine/Iodine-Labeled Benzidine Derivatives as Staining Agents for Electron Microscopy"** ([1]Graduate School of Pharmaceutical Sciences, Chiba University; [2] Institute for Human Life Science, Ochanomizu University; [3]Graduate School of Medicine, Chiba University) Yuta Kaizuka[1], Kazuo Yamamoto[2], Sanae Ikehara[3], Yuzuru Ikehara[3]
S35	**"3D Dose Evaluation Using an In-House Optical CT with PVA-I Radiochromic Gel Dosimeter"** ([1]Hiroshima Heiwa Clinic; [2]Hiroshima Inernational University; [3]Aichi Cancer Center) [1]Keisuke Fujino, [2]Shin-ichiro Hayashi, [1]Kaoru Ono, [1]Ryosuke Kurihara, [1]Sachie Ikeda, [3]Hidetoshi Shimizu, [1]Yutaka Hirokawa
S36	**"Mineral Iodine and Thyroid Hormone (T4): Prediction and Verification of Health Drug Effects"** (Professor Emeritus, Osaka University) Shozo Yanagida, Yoji Miyake
37	**"Isolation of Iodate-Respiring Bacteria from Natural Gas Brine in Chiba"** ([1]School of Horticulture, Chiba University; [2]Graduate School of Horticulture, Chiba University) Miyu Nagano[1], Seigo Amachi[2]
38	**"Molecular Mechanism of Iodate Respiration by *Pseudomonas* sp. SCT"** (Graduate School of Horticulture, Chiba University) Nana Katori, Sumie Kashiwa, Takuma Kubo, Seigo Amachi
39	**"Purification of Dissimilatory Iodate Reductase, Idr, from *Pseudomonas* sp. SCT"** (Graduate School of Horticulture, Chiba University) Haruhiko Sato, Takuma Kubo, Seigo Amachi
40	**"Functional Elucidation of Chlorite Dismutase-Like Protein on Iodate Respiration by *Pseudomonas* sp. SCT"** ([1]Graduate School of Horticulture, Chiba University) Haruna Kuge[1], Seigo Amachi[1]

Official Language

Official language is Japanese. No official simultaneous translation in English will be offered. Presentations for both the oral and the poster presentation welcome in English.

Registration Fee Deadline Aug.8, 2024

Reduced Registration Fee (before August 8, 2024):,

Non-SIS-members☆ 3,000 yen

Students☆ Free

☆Non-SIS members who require the booklet need to pay 2,000yen.

※Everybody is welcome to join SIS. Membership fee is 2,000 yen/year. (Students are 1,000 yen/year)

And the Reduced Registration Fee for SIS-members is 1,000yen including the booklet.

Bank Details

Bank name: THE CHIBA Bank LTD. Shift Code：CHIBAJPJP, Branch Name: MOBARAHIGASHI BRANCH

Branch Address: 1-10 MACHIBO MOBARA-CITY, CHIBA 297-0022 JAPAN

Beneficiary Account Number: 252-3601493

Beneficiary Name: YOUSO GAKKAI DAIHYOU TAKAAKI MIYAZAWA

Beneficiary Address: CIIRIC, CHIBA UNIVERSITY 1-33 YAYOICHO, INAGE-KU, CHIBA 263-8522 JAPAN