



H24年度 筑波大学戦略イニシアティブ(A)

「機能物質創製研究拠点」
第3回国際シンポジウム



University of Tsukuba

University of Tsukuba, Strategic Initiative (A), CCFM

3rd International Symposium on Creation of Functional Materials

— Life Science and Materials —

December 10 (Mon) 9:00 – 11 (Tue) 15:30, 2012

Plenary Lecture

Daisuke Uemura (Kanagawa Univ.)

Keynote Lectures

Konstantin Y. Amsharov
(Max-Planck-Institut)

Amar H. Flood (Indiana Univ.)

Hideki Amii (Gunma Univ.)

Shiroh Futaki (Kyoto Univ.)

Joji Ohshita (Hiroshima Univ.)

Motonari Uesugi (Kyoto Univ.)

Matthias Driess

(Technical Univ. Berlin)

Dawei Ma (Shanghai Institute of
Org. Chem.)

Toshiaki Furuta (Toho Univ.)

Sensuke Ogoshi (Osaka Univ.)

Minoru Ueda (Tohoku Univ.)

Invited Lectures

Masaki Kita (Univ. Tsukuba)

Kenji Morihashi (Univ. Tsukuba)

Kentaro Shiraki (Univ. Tsukuba)

Yoshihiro Miwa (Univ. Tsukuba)

Umpei Nagashima (AIST)

講演会場: 筑波大学学生会館国際会議室

ポスター会場: 筑波大学学生会館総合交流館

懇親会: 12月10日(月) 18:20-20:20 学生会館レストランプラザ

主催: 筑波大学戦略イニシアティブ(A)「機能物質創製研究拠点」

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ホームページ: <http://www.chem.tsukuba.ac.jp/ccfm/>

Program

10th December (Mon)

9:00-9:10 Opening Remarks

Hideo Kigoshi (University of Tsukuba)

Masafumi Akahira (Vice President of University of Tsukuba)

Chair: Akira Sekiguchi

9:10-9:50 **KL-1** **Matthias Driess** (Technical University Berlin)

Challenges in Metal Oxo Cluster Chemistry for Energy-Saving Materials and Unifying Catalysis

9:50-10:30 **KL-2** **Joji Ohshita** (Hiroshima University)

Applications of Dithienometalloles as Polymer Solar Cell Materials

10:30-10:50 *Coffee Break*

Chair: Minoru Ueda

10:50-11:30 **KL-3** **Motonari Uesugi** (Kyoto University)

Small Molecule Tools for Cell Biology and Cell Therapy

11:30-12:00 **IL-1** **Yoshihiro Miwa** (University of Tsukuba)

Developments in Fluorescence Live Imaging through Integrated Research Field of Various Disciplines

12:00-12:40 **KL-4** **Dawei Ma** (Shanghai Institute of Organic Chemistry)

Total Synthesis of Indoline Alkaloids via Intramolecular Oxidative Coupling

12:40-13:50 *Photo & Lunch*

Chair: Junji Ichikawa

13:50-14:30 **KL-5** **Konstantin Y. Amsharov** (Max-Planck-Institut)

Fluorine Promoted Aryl-Aryl Coupling, Toward Rational Synthesis of Carbon Based Nanostructures

14:30-15:10 **KL-6** **Sensuke Ogoshi** (Osaka University)

Palladium-Catalyzed Coupling Reaction of Tetrafluoroethylene with Arylboronates

15:10-15:50 **KL-7** **Hideki Amii** (Gunma University)

Catalytic Aromatic Trifluoromethylation

15:50-16:10 *Coffee Break*

Chair: Hideo Kigoshi

16:10-17:00 **PL-1** **Daisuke Uemura** (Kanagawa University)

Drug Lead Discovery-Present and Future

Chair: Takahiko Kojima

17:00-18:10 *Poster Session*

18:30-20:30 *Banquet*

11th December (Tue)

Chair: Toshiaki Furuta

9:00-9:40 **KL-8 Minoru Ueda** (Tohoku University)

"Glycosylation Switching": Glycosylation Regulates Mode-of-action of Bioactive Natural Products

9:40-10:10 **IL-2 Masaki Kita** (University of Tsukuba)

Target Proteins and Mode of Actions of An Antitumor Macrolide Aplyronine A

10:10-10:30 *Coffee Break*

Chair: Masaki Kita

10:30-11:00 **IL-3 Umpei Nagashima** (AIST/University of Tsukuba)

Temperature Dependence of the Hydrogen Adsorption Sites on Zeolite-Templated Carbon

11:00-11:30 **IL-4 Kenji Morihashi** (University of Tsukuba)

Transition Structures on DNA-chain Elongation Process

11:30-12:10 **KL-9 Toshiaki Furuta** (Toho University)

Modular Caged Compounds—Design, Synthesis and Their Use

12:10-13:10 *Lunch*

Chair: Tatsuya Nabeshima

13:10-13:50 **KL-10 Amar H. Flood** (Indiana University)

Recognizing and Manipulating Anions

13:50-14:20 **IL-5 Kentaro Shiraki** (University of Tsukuba)

Control of Protein Aggregation by Additives

14:20-15:00 **KL-11 Shiroh Futaki** (Kyoto University)

Peptide Tools for Controlling and Analyzing Cell Functions

15:00-15:10 Closing Remarks

Takeshi Akasaka (CCFM Project Leader, University of Tsukuba)

		December 10 (Mon)		December 11 (Tue)		
9	00	Opening Remarks			00	9
	10			KL-8 Minoru Ueda	10	
	20	KL-1 Matthias Driess			20	
	30				30	
	40			IL-2 Masaki Kita	40	
50				50		
10	00	KL-2 Joji Ohshita			00	10
	10			Coffee Break	10	
	20				20	
	30			IL-3 Umpei Nagashima	30	
	40	Coffee Break			40	
50				50		
11	00	KL-3 Motonari Uesugi		IL-4 Kenji Morihashi	00	11
	10				10	
	20				20	
	30			KL-9 Toshiaki Furuta	30	
	40	IL-1 Yoshihiro Miwa			40	
50				50		
12	0	KL-4 Dawei Ma			0	12
	10			Lunch	10	
	20				20	
	30				30	
	40				40	
50				50		
13	0	Photo & Lunch			0	13
	10			KL-10 Amar H. Flood	10	
	20				20	
	30				30	
	40				40	
50				50		
14	00	KL-5 Konstantin Y. Amsharov		IL-5 Kentaro Shiraki	00	14
	10				10	
	20			KL-11 Shiroh Futaki	20	
	30	KL-6 Sensuke Ogoshi			30	
	40				40	
50				50		
15	00			Closing Remarks	00	15
	10	KL-7 Hideki Amii			10	
	20				20	
	30				30	
	40				40	
50	Coffee Break			50		
16	00				00	16
	10	PL-1 Daisuke Uemura			10	
	20				20	
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17	0	Poster Presentation			0	17
	10				10	
	20				20	
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18	0				0	18
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19	0	Banquet			0	19
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