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# KUBIC-NII Joint Seminar on Bioinformatics 2014

organized by

Bioinformatics Center, Institute for Chemical Research, Kyoto University and  
National Institute of Informatics

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## Date

Monday, November 17th, 2014.

## Venue

Kyoto University, Uji, Kyoto 611-0011, Japan  
Bioinformatics Center, Institute for Chemical Research,  
3F, Seminar Room CB316.

## Access

- [Location and Transportation to Uji Campus of Kyoto University.](#)
- [Vicinity of Uji Campus.](#)
- [Uji Campus Map.](#)

## Participants (alphabetical)

<a href="#">Tatsuya Akutsu</a>	Institute for Chemical Research, Kyoto University, Japan
<a href="#">Alexander Andreychenko</a>	Saarland University, Germany
<a href="#">Maxime Folschette</a>	Institut de Recherche en Communications et Cybernétique de Nantes (IRCCyN), École Centrale de Nantes, France
<a href="#">Morihiro Hayashida</a>	Institute for Chemical Research, Kyoto University, Japan
<a href="#">Katsumi Inoue</a>	National Institute of Informatics, Japan
<a href="#">Jesper Jansson</a>	Institute for Chemical Research, Kyoto University, Japan
Liwei Liu	Dalian Jiaotong University
<a href="#">Morgan Magnin</a>	Institut de Recherche en Communications et Cybernétique de Nantes (IRCCyN), École Centrale de Nantes, France
Kotaro Okazaki	SONAR Co., Ltd. / The Graduate University for Advanced Studies (SOKENDAI), Japan
<a href="#">Tony Ribeiro</a>	The Graduate University for Advanced Studies (SOKENDAI), Japan
<a href="#">Taisuke Sato</a>	Tokyo Institute of Technology, Japan
<a href="#">Takeyuki Tamura</a>	Institute for Chemical Research, Kyoto University, Japan
<a href="#">Suguru Ueda</a>	National Institute of Informatics, Japan

## Program

9:30 - 10:00	<b>Opening</b>
10:00-10:30	<i>Concise Representations and Algorithms in Cooperative Game Theory</i> Suguru Ueda, Katsumi Inoue
10:30-11:00	<i>Why Model-Checking is Significant for Biology?</i> Morgan Magnin
11:00-11:30	<i>Perturbations and Recovery Costs in Biological Regulatory Networks with Process Hitting</i> Maxime Folschette, Morgan Magnin, Katsumi Inoue
11:30-12:00	

*On the Parameterized Complexity of Associative and Commutative Unification*  
Tatsuya Akutsu

<b>12:00 - 13:30</b>	<b>Lunch</b>
13:30-14:00	<i>Generative CRFs</i> Taisuke Sato
14:00-14:30	<i>Degree-Constrained Graph Orientation: Maximum Satisfaction and Minimum Violation</i> Jesper Jansson
14:30-15:00	<i>On the Complexity of Finding a Largest Common Subtree of Bounded Degree</i> Takeyuki Tamura
<b>15:00 - 15:30</b>	<b>Break</b>
15:30-16:00	<i>Resilient Properties for Biological Oscillatory Systems</i> Alexander Andreychenko, Morgan Magnin, Katsumi Inoue
16:00-16:30	<i>Learning Delayed Influences of Biological Systems</i> Tony Ribeiro, Morgan Magnin, Katsumi Inoue, Chiaki Sakama
16:30-17:00	<i>Lempel-Ziv Complexity to Construct Phylogenetic Tree</i> Liwei Liu
17:00-17:30	<i>Proteome Compression via Protein Domain Compositions</i> Morihiro Hayashida
<b>19:00 - 21:00</b>	<b>Dinner/Discussions</b>

### **Contact**

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