

COINS Seminar #23

Engineering pharmaceutical polymers and nanoparticle libraries

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Date & Time: Tuesday, January 17, 2017 Time: 4:00pm–5:30pm (Open 3:30pm)

Venue: Room#3001, 3F, Innovation Center of NanoMedicine (iCONM)

Capacity: 30 people

Research Mixer: 5:30pm–6:00pm (Fee: JPY500)

Registration: By E-mail to <jimukyoku-coins@kawasaki-net.ne.jp>

**including your “①name”, “②Affiliation & Division”, “③Attendance of Research Mixer”
and “④your E-Mail address”**

— Abstract —

The lecture will point out the central importance of new materials to scope with the current and future MEGA trends of mankind. The difference between classical research and development approaches and the potentials for application of high-throughput and combinatorial methodologies to create systematic materials libraries will be discussed. In addition, the central importance of a detailed characterization on all length scales in order to elucidate quantitative structure-property relationships will be addressed.

As main topic, tailor-made pharmaceutical polymer and nanoparticle libraries for applications in nanomedicine will be addressed. In this section, the motivation to discover new polymers overcoming current limitations as well as new nanoparticle preparation methods combined with sophisticated characterization approaches will be presented. The new materials allow to formulate and to deliver cell and organ specific drugs and markers as well as to provide new possibilities to assist in applying new and old antibiotics. In this context, also “polymeromics” approaches will be shortly discussed.

Besides the scientific results also transfer strategies to industrial applications, either to large companies or to start-ups, will be shortly addressed.



Organizer: COINS(COI program,JST), Innovation Center of NanoMedicine (iCONM)

For more information: Please email to “COINS Research Support Office”, Kawasaki Institute of Industrial Promotion

<jimukyoku-coins@kawasaki-net.ne.jp>

Web: <http://coins.kawasaki-net.ne.jp/>

<Venue access>

Name: Innovation Center of Nanomedicine (iCONM)

Address: 3-25-14, Tonomachi, Kawasaki-ku, Kawasaki 210-0821, JAPAN

Access by train:

Keikyu-Kawasaki Sta. to Kojima-Shinden Sta. by Keikyu-Daishi Line (ride time about 10 minutes) and Walk about 15 minutes to iCONM (See below access map)

Access by bus

“Bus stop on East Terminal at JR Kawasaki Sta.”

1) No. 20 bus stop (KAWASAKI TSURUMI RINKO BUS Co.,LTD)

III (kawa) 02 line; Tonomachi terminal, to “Tonomachi” bus stop (ride time about 30 minutes), walk about 3 minutes to iCONM from the bus stop

2) No. 20 bus stop (KAWASAKI TSURUMI RINKO BUS Co.,LTD)

III (kawa) 02 line; Ukishima-Bashi terminal, to “King Sky Front Irigchi” (ride time about 20 minutes), walk about 5 minutes to iCONM from the bus stop

3) No. 16 bus stop (KAWASAKI TSURUMI RINKO BUS Co.,LTD)

III (kawa) 03 line; Ukishima-bus terminal, to “King Sky Front Irigchi” (ride time about 30 minutes), walk about 5 minutes to iCONM from the bus stop

Access Map

