

## Designing Novel Delivery Platforms of Nucleic Acid Drugs

**Soo Hyeon Lee, Ph. D.**

Group leader at Drug Formulation & Delivery Lab, ETH Zurich,  
Switzerland

Date : **Mardi, 17 mai 2016**

Heure : **13 h 30**

Lieu : Salle S1-131  
Pavillon Jean-Coutu

Dr. Soo Hyeon Lee received her BSc (2006) and PhD (2011) in Biological Sciences from KAIST in South Korea under the supervision of Prof. Tae Gwan Park. She then worked as a postdoctoral researcher and group leader in the group of Prof. Jean-Christophe Leroux at ETH Zurich (2011-2016), where she developed carrier-free gene delivery systems using nucleic acid conjugates to treat gastrointestinal diseases. She also closely collaborated with an ETH spin-off company to develop a liposome supplemented drug for clinical trials. Her research focuses on designing new drug formulations which exhibit a high therapeutic efficacy and good safety profile as well as provide a tool to answer fundamental biological questions. Dr. Lee has published more than 30 peer-reviewed journal papers (including Nature Materials, Accounts of Chemical Research and JACS) and received the prestigious Tsuneji Nagai Fellowship by the Controlled Release Society.