**The Fourth Vaccine Development Research Forum**  
Liposome and nanoparticle–based delivery systems  
**December 11, 2018**  
Bangkok, Thailand

**Organized by:** Chula Vaccine Research Center (Chula VRC), Faculty of Medicine and Faculty of Pharmaceutical Sciences, Chulalongkorn University, Bangkok, Thailand

**Venues:** 12th Floor, Bhumisiri Building, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand

**Free Registration for** 150 participants on the first come first serve basis

**Deadline:** November 30, 2018  **Registration at** Google URL: https://goo.gl/vkGL9n

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<th>Time</th>
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<tr>
<td>08.30-08.45</td>
<td><strong>Registration</strong></td>
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| 08.45-09.00   | Welcoming Remarks  
**Kiat Ruenvithan**  
**Vice President for Research and Innovation, Chulalongkorn University** |
| 09.00-09.45   | Effect of QS-21 and Aluminum Hydroxide Gel on Physical and Adjuvant Properties of Army Liposome Formulations (ALF)  
**Zoltan Beck**  
**MHRP, WRAIR, USA** |
| 09.45-10.30   | Development of a cationic liposome-based adjuvant containing a TLR4 agonist  
**Na Gyong Lee**  
**Sejong University, Seoul, Republic of Korea** |
| 10.30-11.00   | Coffee Break                                                                                                                                   |
| 11.00-12.00   | Immunogenicity and Protective Efficacy Vaccine Studies Using Army Liposome Formulations (ALF) in NHP Models  
**Zoltan Beck**  
**MHRP, WRAIR, USA** |
| 12.00-13.00   | Lunch                                                                                                                                            |
| 13.00-13.45   | Assessment of the efficacy of nanoparticle-entrapped porcine reproductive and respiratory syndrome virus (PRRSV) vaccine  
**Angkana Tanittuvanont**  
**Faculty of Pharmaceutical Sciences, Chulalongkorn University** |
| 13.45-14.30   | Polyvalent display on nanoparticles as the efficient delivery platform for eliciting immune responses of macromolecules  
**Jittima Amie Luckanagul**  
**Faculty of Pharmaceutical Sciences, Chulalongkorn University** |
| 14.30-15.00   | Coffee Break                                                                                                                                   |
| 15.00-16.00   | Meet the experts                                                                                                                                  |