THE ANNUAL MEETING OF GENECELLNANO FLAGSHIP
APRIL 20-21, 2022
Follow us in:
LinkedIn
Twitter: @genecellnano
email: genecellnano@uef.fi
11:30-12:15  Arrival, coffee


12:30-13:45  Short presentations – Gene Therapy

Chair: Nigel Parker and Florence Naillat

Nihay Laham-Karam, University of Eastern Finland: Multifactorial treatment of myocardial infarction using gene therapy

Diana Schenkwein, University of Eastern Finland: Optimized lentivirus vectors for safe and efficient gene therapy of heart failure

Johanna Laakkonen, University of Eastern Finland: BMPs in myocardial ischemia

Niko Järveläinen, University of Eastern Finland: Gene therapy of ischemia with new delivery methods

Mikko Karpale and Kati Richter, University of Oulu: Novel ATMP therapeutics to prevent neurodegeneration in the retina by targeting hypoxia signalling

13:45-14:30  Short presentations – Cell Therapy

Chair: Kirsi Rilla and Jan Koski

Mira Saari, Finnish Red Cross Blood Service: Expansion of NK cells for therapy

Florence Naillat, University of Oulu: Development of engineered EVs against SARS-CoV-2 as a booster along the vaccine

Riina Harjumäki, University of Helsinki: In vivo-like extracellular vesicles in cancer metastasis

14:30-15:15  Coffee

15:15-16:15  Short presentations – Nanotechnology

Chair: Timo Laaksonen and Saara Laitinen

Pasi Virta, University of Turku: RNAEyeBall integrated with extracellular vesicle (EV) platform for targeted delivery to the retina

Tatu Lajunen, University of Eastern Finland and University of Helsinki: Light triggered drug release from nanoparticles

Amir Sadeghi, University of Eastern Finland: Pharmacokinetics of nanomaterials for retinal drug delivery
### Sebastian Löscher, Aalto University: Zwitterionic Coacervate-Type Copolymers for Intravitreal on-demand Drug Release upon an NIR Light Stimulus

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>17:30-19:30</td>
<td>Welcome reception and poster session (hallway C1+C2)</td>
</tr>
<tr>
<td>18:30-19:00</td>
<td>Junior Group gathering for all the GeneCellNano Junior PIs and post-docs interested in junior group activities (hallway C1+C2)</td>
</tr>
<tr>
<td>19:30-22:00</td>
<td>Dinner (Biomedicum)</td>
</tr>
</tbody>
</table>

---

### DAY 2: Thursday (seminar hall 2)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30-9:00</td>
<td>Coffee</td>
</tr>
<tr>
<td>9:00-9:05</td>
<td>Opening</td>
</tr>
<tr>
<td>9:05-09:45</td>
<td>Plenary talk</td>
</tr>
</tbody>
</table>

**Director Mark Daly, Institute for Molecular Medicine Finland FIMM:** 
*FinnGen: a public-private partnership to connect genetics to therapeutics*

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:45-11:00</td>
<td>GeneCellNano business opportunities - Research line presentations</td>
</tr>
<tr>
<td></td>
<td><em>Chairs: Marjo Yliperttula and Peppi Karppinen</em></td>
</tr>
</tbody>
</table>

- **Seppo Ylä-Herttuala, University of Eastern Finland:** Gene therapy  
- **Matti Korhonen, Finnish Red Cross Blood Service:** Cell therapy  
- **Arto Urtti, University of Eastern Finland:** Nanotechnology  
- **Seppo Vainio, University of Oulu:** Extracellular vesicles  
- **Nigel Parker, GeneCellNano Business Coordinator:** What companies expect from us?

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00-12:00</td>
<td>Lunch</td>
</tr>
<tr>
<td>12:00-13:15</td>
<td>GeneCellNano business opportunities - Company presentations</td>
</tr>
<tr>
<td></td>
<td><em>Chairs: Olli Ikkala and Marjo Yliperttula</em></td>
</tr>
</tbody>
</table>

- **Anu Autio and Henrik Paavilainen, Orion Pharma**  
- **Clothilde Decarnin, Merck Life Science**  
- **Erkko Ylösmäki, Rokote Laboratories**  
- **Tony Kiuru, UPM Biomedicals**  
- **Vimalkumar Balasubramanian, Bayer**
13:15-13:30  Break, coffee

13:30-14:45  Lasse Leino, DelsiTech
             Tero Välimaa, Santen
             Zoe Ylöniemi, Modulight
             Mari Tenhunen, Timegate
             Prateek Singh, Finnadvance

14:45-15:15  Coffee and departure

15:00-17:00  Joint Scientific Advisory Board and Steering Committee Meeting
             (Biomedicum, Faculty Club)