



GENECCELLNANO

THE ANNUAL MEETING OF
GENECCELLNANO FLAGSHIP

APRIL 20-21, 2022



modulight

MERCK

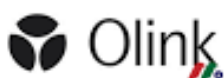
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UNIVERSITY OF
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HELSINGIN YLIOPISTO
HELSINGFORS UNIVERSITET
UNIVERSITY OF HELSINKI



Aalto-yliopisto



Finnish Red Cross
Blood Service

PROGRAM

DAY 1: Wednesday (seminar hall 2)

11:30-12:15	Arrival, coffee
12:15-12:30	Opening – prof. Seppo Ylä-Herttuala, Director of GeneCellNano Flagship
12:30-13:45	Short presentations – Gene Therapy <i>Chairs: Nigel Parker and Florence Naillat</i> Nihay Laham-Karam, University of Eastern Finland: <i>Multifactorial treatment of myocardial infarction using gene therapy</i> Diana Schenkwein, University of Eastern Finland: <i>Optimized lentivirus vectors for safe and efficient gene therapy of heart failure</i> Johanna Laakkonen, University of Eastern Finland: <i>BMPs in myocardial ischemia</i> Niko Järveläinen, University of Eastern Finland: <i>Gene therapy of ischemia with new delivery methods</i> Mikko Karpale and Kati Richter, University of Oulu: <i>Novel ATMP therapeutics to prevent neurodegeneration in the retina by targeting hypoxia signalling</i>
13:45-14:30	Short presentations – Cell Therapy <i>Chairs: Kirsi Rilla and Jan Koski</i> Mira Saari, Finnish Red Cross Blood Service: <i>Expansion of NK cells for therapy</i> Florence Naillat, University of Oulu: <i>Development of engineered EVs against SARS-CoV-2 as a booster along the vaccine</i> Riina Harjumäki, University of Helsinki: <i>In vivo-like extracellular vesicles in cancer metastasis</i>
14:30-15:15	Coffee
15:15-16:15	Short presentations – Nanotechnology <i>Chairs: Timo Laaksonen and Saara Laitinen</i> Pasi Virta, University of Turku: <i>RNAEyeBall integrated with extracellular vesicle (EV) platform for targeted delivery to the retina</i> Tatu Lajunen, University of Eastern Finland and University of Helsinki: <i>Light triggered drug release from nanoparticles</i> Amir Sadeghi, University of Eastern Finland: <i>Pharmacokinetics of nanomaterials for retinal drug delivery</i>

Sebastian Löscher, Aalto University: *Zwitterionic Coacervate-Type Copolymers for Intravitreal on-demand Drug Release upon an NIR Light Stimulus*

17:30-19:30	Welcome reception and poster session (hallway C1+C2)
18:30-19:00	Junior Group gathering for all the GeneCellNano Junior PIs and post-docs interested in junior group activities (hallway C1+C2)
19:30-22:00	Dinner (Biomedicum)

DAY 2: Thursday (seminar hall 2)

8:30-9:00	Coffee
9:00-9:05	Opening
9:05-9:45	Plenary talk
	Director Mark Daly, Institute for Molecular Medicine Finland FIMM: <i>FinnGen: a public-private partnership to connect genetics to therapeutics</i>
09:45-11:00	GeneCellNano business opportunities - Research line presentations
	<i>Chairs: Marjo Yliperttula and Peppi Karppinen</i>
	Seppo Ylä-Herttuala, University of Eastern Finland: <i>Gene therapy</i>
	Matti Korhonen, Finnish Red Cross Blood Service: <i>Cell therapy</i>
	Arto Urtti, University of Eastern Finland: <i>Nanotechnology</i>
	Seppo Vainio, University of Oulu: <i>Extracellular vesicles</i>
	Nigel Parker, GeneCellNano Business Coordinator: <i>What companies expect from us?</i>
11:00-12:00	Lunch
12:00-13:15	GeneCellNano business opportunities - Company presentations
	<i>Chairs: Olli Ikkala and Marjo Yliperttula</i>
	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)