Remember to submit your poster abstract for BioCity Symposium!

DL Friday 9 June 2023 at 16:00
https://biocityturku.fi/biocity-symposium/registration/

BioCity Announcement 21/2023

This week

* Multi-omics in Microbiome Research Seminar, May 23rd at 13:00
* Research Integrity Morning, May 24th at 10:00
* Finding a way: The Scientist's Career Path Symposium, May 24th at 13:30
* Studia Generalia: Honorary Doctors of the Faculty of Medicine, May 25th at 09:15
* Frontiers of Science, May 25th at 12:00, Jänne
* FICAN Seminar, May 25th at 15:00, Seppälä
* IPP Seminar: RNA Special Seminar, May 26th at 13:00

In near future

* European Partnerships in Horizon Europe, June 16th at 13:00

Open Calls

* Equipment Acquisition at Turku Protein Core
* SPARK Finland´s call for new projects

Open positions

* Assistant / Associate Professor

Save the Date

* 49th Annual Meeting and Summer School of the Scandinavian Society for Immunology, June 4th–7th
* 2nd FinnBrain International Congress on Prenatal and Early Life Stress, June 8th – 9th
* 2nd Nordic Conference on Personalized Medicine (NORPM2023), June 14th-16th
* 32nd BioCity Symposium, August 24th–25th
* Finnish-Japanese Immunology Symposium in Turku, August 29th–30th

Links to recruitment pages

Turku BioNet Seminar Calendar
Kiinamyllyn viikkokalenteri
PGE Course Calendar

Multi-omics in Microbiome Research Seminar

May 25th at 13:00
On-site event
Ministeri lecture hall, Biocity

All interested in the topic are welcome!

Jointly organized by:
- FindingPheno project (findingpheno.eu)
- CompLifeSci - Computational and Molecular Methodologies for Lifesciences
- MIRP - Microbes and Immunity Biocity Research Program

Program
13:00 **Leo Lahti**, Welcome words
13:05 **Morten Limborg**, Assistant Prof. University of Copenhagen
Integrative multi-omics within the FindingPheno EU consortium
13:30 **Teemu Niiranen**, Prof. University of Turku
Finrisk metagenome cohort study
14:00 **Kati Hanhineva**, Prof. University of Turku
Multi-omics in metabolome research
14.30 COFFEE BREAK
15:00 **Rob Finn**, EBI team leader, Hinxton, UK
EBI data and computing resources for microbiome and metagenomics
15.30 **Dhiraj Dhotre**, Associate Prof. National Center for Cell Sicnece, Pune, India
Indian microbiome project
16:00 Closing

Research Integrity Morning

May 24th at 10:00
Virtual event

The Finnish National Board on Research Integrity TENK promotes responsible conduct of research and prevents research misconduct across all research disciplines in Finland. TENK's guidelines and recommendations on good research practices have been adopted by all Finnish research organisations. Join TENK's online event in Zoom on 24 May at 10-12 am to learn about the Finnish research integrity system and TENK's recommendations. The event is open to all and free to attend.

Join Zoom Meeting

Programme

Introduction to the Finnish National Board on Research Integrity
Sanna-Kaisa Spoof, Secretary General TENK

Overview of TENK's Guidelines and recommendations
Kalle Videnoja, International coordinator TENK

The Finnish Code of Conduct for Research Integrity
Eero Kaila, Adviser TENK

Agreeing on authorship
Anni Sairio, Senior coordinator TENK

When help is needed: the Finnish Research Integrity Advisers system
Anni Sairio, Senior coordinator TENK

Finding a way: The Scientist's Career Path Symposium

May 24th at 13:30
On-site event
Medisiina D, Tiedonkolu

The Finnish Medical Foundation is delighted to invite you to its symposium on researcher's career path. The symposium will be organized in connection to the doctoral conferrement ceremonies of the Faculty of Medicine of the University of Turku.

Registration
https://konsta.utu.fi/Default.aspx?tabid=88&tap=15325

Programme and further information
https://biocityturku.fi/wp-content/uploads/2023/05/Finnish-Medical-Foundation-Symposium.pdf

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Studia Generalia: Honorary Doctors of the Faculty of Medicine

May 25th at 09:15
On-site event
Alhopuro hall, Medisiina D

In connection with the Ceremonial Conferment of Doctoral Degrees at the Faculty of Medicine, Studia Generalia lectures will be organized in Medisiina D's Alhopuro hall on Thursday, 25 May from 9:15 to 11:00. Lectures will be given by the Faculty's Honorary Doctors.

Please register on 17 May at the latest: https://link.webropolsurveys.com/S/BDE3040696581E74

Coffee is available from 8.45am.

Programme

9.15 Welcome by Dean Pekka Hänninen
9.20 Professor Emeritus Mikael Knip: The unsolved puzzle of type 1 diabetes
Discussion 5 min
9.40 Professor Emeritus Björn Klinge: The link between oral and systemic health
Discussion 5 min
10.00 Professor Manuel Tena-Sempere: Connecting body weight and reproduction: Physiological basis and pathological implications

Discussion 5 min
10.20 Professor Adelaida Zabalegui: Implementation of Advanced Practice Nursing in Spain
Discussion 5 min
10.40 Chief Physician Hanna Nohynek: What did the covid-19 pandemic teach us about vaccines?
Discussion 5 min
11.00 Closing by Dean Pekka Hänninen

Frontiers of Science

May 25th at 12:00
On-site event
Presidentti auditorium, BioCity
Spring 2023 program

Prof. Pasi Jänne, Dana-Farber Cancer Institute, Harvard Medical School, USA
Challenges in molecularly targeted treatment of lung cancer
Host: Klaus Elenius (klaele@utu.fi)

Coffee and sandwich served at 11:45

Six students and early-career postdocs are welcome to **have a lunch and discuss with Prof. Jänne** after the seminar. This is a great possibility to learn hosting skills in friendly environment and create connections for future. Every student are welcome to join, in spite of which research group they belong to. BioCity Turku will offer the lunch.

If you got interested, please send an email to biocityturku@bioscience.fi

The Jänne Lab's research integrates bench-based studies with translational research and clinical trials of novel therapeutic agents in patients with lung cancer. The Lab's main research interest centers on understanding and translating the therapeutic importance of oncogenic alterations found in lung cancer. Dr. Jänne is a translational thoracic medical oncologist at the Dana-Farber Cancer Institute and a professor of medicine at Harvard Medical School. He is the director of the Lowe Center for Thoracic Oncology and the scientific co-director of the Belfer Center for Applied Cancer Sciences.

Selected publications

Hartmaier RJ, Markovets AA, Ahn MJ, … , Cantarini M, Jänne PA. 2023. Osimertinib + Savolitinib to Overcome Acquired MET-Mediated Resistance in Epidermal Growth Factor Receptor-Mutated, MET-Amplified Non-Small Cell Lung Cancer: TATTON. Cancer Discov. 13:98-113

Kobayashi Y, Oxnard GR, Cohen EF, Mahadevan NR, … , Sholl LM, Jänne PA. 2022. Genomic and biological study of fusion genes as resistance mechanisms to EGFR inhibitors. Nat Commun 13:5614

To C, Beyett TS, Jang J, Feng WW, …, Eck MJ, Gray NS, Jänne PA. 2022. An allosteric inhibitor against the therapy-resistant mutant forms of EGFR in non-small cell lung cancer. Nat Cancer. 3:402-417

Kobayashi Y, Chhoeu C, Li J, Price KS, Kiedrowski LA, Hutchins JL, Hardin AI, Wei Z, Hong F, Bahcall M, Gokhale PC, Jänne PA. 2022. Silent mutations reveal therapeutic vulnerability in RAS Q61 cancers. Nature 603:335-342

Jänne PA, Baik C, Su WC, Johnson ML, Hayashi H, Nishio M, Kim DW, Koczywas M, Gold KA, Steuer CE, Murakami H, Yang JC, Kim SW, Vigliotti M, Shi R, Qi Z, Qiu Y, Zhao L, Sternberg D, Yu C, Yu HA. 2022. Efficacy and Safety of Patritumab Deruxtecan (HER3-DXd) in EGFR Inhibitor-Resistant, EGFR-Mutated Non-Small Cell Lung Cancer. Cancer Discov. 12:74-89

General information

- You can download all spring 2023 FoS-seminars in your calendar from here: https://seafile.utu.fi/d/4a0b831f23ef420786b0/
- Registration is not needed for the on-site seminars
- Participation list is circulated in the audience
- If you are a student and later wish to get a certificate of attendance from the Frontier of Science seminars, please print out this seminar diary and after the seminar ask the BioCity coordinator to sign it
- Please note that any audio or video recording of the seminars is strictly forbidden.

FICAN Seminar

May 25th at 15:00
Online event
in Teams

Kaapo Seppälä, Tampere University, Tampere University Hospital
Molecular profiling and patient-derived cancer organoids – towards clinical applications

This time the seminar is organized by FICAN Mid. The seminar will be held online and is open to everyone interested in cancer research.

Click here for more details and to join the meeting

Novel tools to aid decision-making in challenging clinical decisions are required, and precision medicine holds great promise in delivering improvements to progressing cancers. Applications to steer oncological management have been largely based on genomic targeting of the drugs, but only less than third of patients benefit from genomically targeted approach, and the success is highly context-depending. Functional precision oncology models such as patient derived organoid technology enable individualized cell culture and personalized testing for each tumor. Organoids

may serve as a clinical tool to guide traditional primary tumor NGS interpretation, and facilitate in vitro response prediction to therapy. Data-intensive models for tumor microenvironment co-culture and combination pharmacotyping are needed.

IPP Seminar: Special RNA Seminar

May 26th at 12:45
Hybrid event
Lauren 2, Medisiina D / Zoom

Coffee and pulla at 12.30.

12.45: **Noora Kotaja**, professor, University of Turku
Opening words

12.50: **Anni Kivinen**, Product Manager, NGS & Molecular Biology, Immuno Diagnostic Oy
RNA-Seq solutions from Immuno Diagnostic

13.00: **Mikko Frilander**, Research Director, PhD, University of Helsinki
Introduction of RNA salon Finland and ”Minor spliceosome dysfunction leads to chromosome segregation defects

13.30: **Minna-Liisa Änkö**, Asst. Prof., PhD, University of Tampere
The role of RNA protein interaction and RNA structure in gene regulation

14.00: **Noora Kotaja**, professor, University of Turku
Concluding remarks

The event can be joined remotely: https://utu.zoom.us/j/62415869446

Event sponsor: Immuno Diagnostic Oy

Further information from Juho-Antti Mäkelä: jasmak@utu.fi

Bimonthly IPP seminar series covers the diversity of biomedical/medical research performed in Integrative Physiology and Pharmacology research unit plus interesting talks by visitors from national and international research collaboration networks.

European Partnerships in Horizon Europe

June 16th at 13:00
Virtual event

Discussion is mainly in Finnish but if necessary discussion can be in English as well.

Osana Horisontti Eurooppa -ohjelmaa on jo käynnissä kymmeniä eurooppalaisia kumppanuusohjelmia (European partnerships) ja lisää on paraikaa valmisteilla. Ne ovat monivuotisia temaattisia kokonaisuuksia, joiden kautta kanavoidaan miljardeja euroja tutkimukseen ja innovointiin sekä Horisontti Euroopasta että kansallista rahoitusta yksityiseltä ja julkiselta sektorilta. Kumppanuusohjelmat tuovat yhteen eri toimijoita ja rahoittajia, tarjoavat yhteistyötä, kumppaneita ja rahoitusta tutkimukseen ja innovointiin.

Mitä tämä tarkoittaa käytännössä? Millaisia kumppanuusohjelmia on nyt käynnissä, entä mitä tiedetään tulevista? Millaisia mahdollisuuksia kumppanuusohjelmat voivat tarjota suomalaisille? Kuka ja miten voi niihin osallistua?

Tervetuloa keskustelemaan Horisontti Euroopan kumppanuusohjelmista ja samalla pohtimaan yhdessä, miten voimme jatkossa hyödyntää kumppanuuksia Suomessa paremmin ja aktiivisemmin. Paikalla ovat kumppanuusohjelmissa ja niiden valmistelussa mukana olevien ministeriöiden, Suomen Akatemian ja Business Finlandin sekä muiden toimijoiden edustajia.

Lisätietoja ja rekisteröityminen viimeistään 11. 6. 2023

Equipment Acquisition at Turku Protein Core

Turku Protein Core is inviting you to submit proposals for new equipment that you believe would be an asset to protein research here in Turku. We recognize that you use a variety of equipment on a daily basis, and we highly appreciate your input in helping us identify which tools would enhance our research capabilities.

You can leave your proposals with justifications via this form:
https://link.webropolsurveys.com/S/88254BC21D3005DD

If you are not familiar with instrumentation that is already available through Turku Protein Core, you can find more information about them here:
https://turkuproteincore.utu.fi/instruments/

Please note that this initiative is aimed at obtaining information for future applications and that no funding is currently available for additional equipment acquisitions. Our steering committee will use the proposals in consideration for future grant applications. If you're interested in participating in a possible meeting or workshop regarding protein research infrastructure here on campus, you can leave your contact information through the form.

We hope that you will take advantage of this opportunity to contribute to the development of protein research facilities here in Turku, and we look forward to reviewing your proposals. The submission deadline is 4.6.2023. For any questions, you can contact us at tuprotcore@utu.fi.

Turku Protein Core (TuProtCore) is a one-stop-shop open-access core facility that helps internal and external users with their protein-related tasks. It includes vast basic and advanced infrastructure from both Åbo Akademi University and the University of Turku and has capabilities to assist researchers in moving their project from protein expression to biophysical characterization to protein crystallization.

SPARK Finland´s call for new projects

SPARK Finland is a globally networked program and organisation for developing health technology and life science industries. Call for new projects is open until May 31st, 2023. The call is for scientists, clinicians and students in universities and university hospitals that are members of SPARK Finland program.

Faculty of Medicine, Faculty of Science, and Faculty of Technology at the University of Turku, Turku PET Centre, Turku Bioscience Centre, Åbo Akademi University and The wellbeing services county of Southwest Finland are member institutions.

SPARK Finland supports developing science and clinical service-based ideas towards new products, services and businesses. Projects can be related to e.g. pharmaceuticals, diagnostics, health technologies or even IT-based health solutions. The program also supports career development and diversification of new opportunities for scientists and clinicians.

You can book a time for a discussion with the SPARK Finland contact person in Turku:
Business Design Advisor Thomas Lemström (thomas.lemstrom@sparkfinland.fi).

Assistant / Associate Professor

We are looking for an Assistant / Associate Professor (tenure track) in Pharmacology and Drug Development. Depending on the previous academic merits, the successful applicant may be appointed to a fixed-term associate/assistant professorship (tenure track) as:

- Assistant Professor (I phase) is a fixed-term employment period of three to five years or
- Associate Professor (II phase) is a fixed-term employment period of two to four years.

The duties of the Assistant/Associate Professor are to carry out and supervise scholarly work, to provide education based on it and to keep abreast of academic developments, as well as to participate in societal interaction and international cooperation in his or her field. The position includes carrying out high quality research in the field of pharmacology and drug development, establishing and leading a research group, creating and maintaining international connections. As far as training is concerned, it is the duty of the Assistant/Associate Professor to teach undergraduate students, postgraduate students (in PhD programmes) and the students of continuing and specialist education. The task includes in particular the planning and development of teaching and curricula in the field of pharmacology and drug development. In the future, the Assistant/Associate professor also acts as a programme leader of the international Master's Degree Programme in Biomedical Sciences: Drug Discovery and Development. The emphasis is, however, on research-related tasks.

More details and **application at latest 5 June 2023** via University of Turku electronic application form (job ID 4793) www.utu.fi/careers

For further information about the positions, please contact Professor Ullamari Pesonen, ullamari.pesonen@utu.fi tel. +358 29 450 3867. For additional information concerning the

appointment procedure, please contact Head of Administration Päivi Salonen, paivi.h.salonen@utu.fi Tel. + 358 50 435 1268

49th Annual Meeting and Summer School of the Scandinavian Society for Immunology

June 4th–7th
On-site event
Marina Palace Turku

The SSI2023 meeting brings together immunologists at all career stages, from PhD students to experienced senior scientists, interested in various aspects of immunology. Join us to hear the latest research from basic immunology to translational and clinical studies!

Abstract submission DL is March 13th

More information, registration and program: https://ssi2023.fi/

2nd FinnBrain International Congress on Prenatal and Early Life Stress

June 8th –9th
On-site event
Turku Boat Yard, Hevoskarintie 23, Turku, Finland

Accumulating evidence is showing that both prenatal and early postnatal stress is related to a wide variety of child outcomes. Recently also the possibility of epigenetic inheritance of stress related phenotypes across generations has been put forward. The 2nd FinnBrain International Congress covers these topics on early life stress exposure and its influences on development and health. Multidisciplinary program with interesting keynote speakers.

Registration deadline on May 5th

More information, registration and program: https://sites.utu.fi/finnbraincongress/

2nd Nordic Conference on Personalized Medicine

June 14-16
On-site event
Marina Palace Turku

The Finnish Society of Clinical Pharmacology in collaboration with the University of Turku is organizing the Second Nordic Conference on Personalized Medicine (NORPM2023) in Turku on 14-16 June 2023. The programme is covered by distinguished international experts and formed around state-of-the-art sessions focusing on research and implementation of personalised medicine.

More information, program, registration and abstract submission are available at the Conference web page at www.norpm2023.fi

Abstract deadline 31 March 2023 and early bird – registration deadline 25 April 2023.

32nd BioCity Symposium

Sculpting Tissues – cells, matrix and forces
August 24th – 25th
On-site event
Mauno Koivisto Centre, BioCity, Turku

Registration is now open until **Friday 11 August 2023, 23:59** (CET+1)
If you wish to submit poster abstract please register at latest **Friday 9 June 2023, 16:00** (CET+1)
Register to the event here, click!
Details regarding the abstracts and posters here, click!

The 32nd BioCity Symposium will explore the mechanisms regulating tissue architecture and homeostasis in biological organisms. This complex and dynamic "sculpting" process is carefully coordinated from the very beginning of life. Cells build tissues by proliferating, migrating, altering phenotype and generating a modifiable extracellular matrix (ECM).

In turn, the ECM's biochemical and biomechanical properties determine cell behaviour and cell-cell crosstalk to control gene expression and cell state and the response to injury and insult (tissue repair, fibrosis, inflammation, cancer) and therapeutic targeting. Next year's BioCity Symposium will focus on this reciprocal interplay between cells and their microenvironment to build healthy tissues, and how dysregulation ultimately leads to disease.

All latest information from: https://biocityturku.fi/biocity-symposium/

Invited speakers

Christopher Chen, The Biological Design Center; Boston University; Harvard University, US
Miki Ebisuya, European Molecular Biology Laboratory (EMBL) Barcelona, Spain
Peter Friedl, Radboud University Medical Center, Netherlands
Edouard Hannezo, Institute of Science and Technology Austria, Austria
Kairbaan Hodivala-Dilke, Barts Cancer Institute, Queen Mary University of London, UK
Daniel Krueger, Hubrecht Institute, Netherlands
Rachel Lennon, Wellcome Trust Centre for Cell-Matrix Research, UK
Alexandra Naba, University of Illinois at Chicago, USA
Erik Sahai, The Francis Crick Institute, UK
Michael Sixt, Institute of Science and Technology Austria, Austria
Fiona Watt, European Molecular Biology Organization (EMBO), Germany

Welcome!

Finnish-Japanese Immunology Symposium

August 29th–30th
On-site event
in Turku

Emerging concepts in immunology - from basic mechanisms to treating immune mediated diseases

Save the date, more details will follow later!

Links to recruitment pages

University of Turku in Finnish and in English
Ådo Akademi University in Swedish and in English
FinBioNet

If you have events you would like to add to BioCity Announcement please contact biocityturku@bioscience.fi

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