Have you noticed that BioCity Turku PhD researchers will arrange **pre-Symposium** one day before the main event?

Sign up for the event now!

https://biocityturku.fi/student-symposium/

BioCity Announcement 24/2023

This week

* MBC Bioinformatics Consultation, June 13th at 10:00
* Immunology Seminar, June 13th at 14:00, Powrie
* 2nd Nordic Conference on Personalized Medicine (NORPM2023), June 14th-16th
* European Partnerships in Horizon Europe, June 16th at 13:00

After holiday season

* BioCity PhD Mini-Symposium, August 23rd at 13:00
* 32nd BioCity Symposium, August 24th–25th
* Finnish-Japanese Immunology Symposium in Turku, August 29th–30th

Open Calls

* CompLifeSci Funding Call

Open positions

* Doctoral Researcher / Postdoctoral researcher
* Postdoctoral Researcher / Project Researcher
* Senior Researchers / Project Researchers

Links to recruitment pages

Turku BioNet Seminar Calendar
Kiinamyllyn viikkokalenteri
PGE Course Calendar

MBC Bioinformatics Consultation

June 13th at 10-12
On-site event / Virtual event
Medisiina-D, 5th floor meeting spaces / in Zoom

Open bioinformatics consultation sessions are organized regularly on-site (Biocity and Medisiina-D) and in Zoom. Feel free to pop in without reservation and ask about bioinformatics, experimental

design and data analysis. Medical Bioinformatics Centre organizes the Consultation sessions under the Biocenter Finland Bioinformatics platform and they are open to all academic researchers.

All discussions are private and you may wait for your turn in the zoom waiting room or in the lobby near the meeting room.

Join the Zoom: https://utu.zoom.us/j/63674596027

Full schedule for the spring: https://elolab.utu.fi/mbc-bioinformatics-consultation/
Please note that last minute changes to the schedule are possible and will be updated on this website.

Read more about MBC and the training and support options available: https://elolab.utu.fi

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Immunology Seminar

June 13th at 14:00–15:00
Virtual event

Fiona Powrie, University of Oxford, UK
Translating immunology into new therapies for Inflammatory Bowel Disease

Host: Riitta Lahesmaa (rilahes@utu.fi)

Registration latest June 12th at https://link.webropolsurveys.com/S/D08980F98591B2B7

Immunology seminar series is jointly organised by the Finnish Society for Immunology, InFLAMES Flagship and Turku Bioscience. For further information contact Anne Lahdenperä (ankahy@utu.fi) or Riitta Lahesmaa (rilahes@utu.fi), University of Turku.

Professor Dame Fiona Powrie is Director of the Kennedy Institute of Rheumatology, University of Oxford, a Fellow of the Royal Society and the Academy of Medical Sciences and a Governor of the Wellcome Trust. She gained a PhD in immunology at the University of Oxford and then moved to the DNAX Research Institute in Palo Alto, before returning to Oxford in 1996 as a Wellcome Trust Senior Research Fellow. Prior to her appointment to the Kennedy Institute, Fiona Powrie was the Sidney Truelove Professor of Gastroenterology and Head of the Translational Gastroenterology Unit, Oxford (2009- 2014). Her research examines the relationship between the intestinal microbiome and the host immune system and how this mutualistic relationship breaks down in inflammatory bowel disease, arthritis and cancer. Fiona Powrie has received numerous prestigious prizes and awards, including the Louis Jeantet Prize for Medicine in 2012. She was elected an international member of the National Academy of Sciences in 2020 and was appointed Deputy Chair of the Wellcome Board of Governors and Dame Commander of the Most Excellent Order of the British Empire (DBE), for services to Medical Science, in 2022.

Selected publications

Friedrich M, Pohin M, Jackson MA, Korsunsky I, ..., Thomas L, Collantes E, Uhlig HH, Sansom SN, Easton A, Raychaudhuri S, Travis SP, Powrie FM. IL-1-driven stromal-neutrophil interactions define a subset of patients with inflammatory bowel disease that does not respond to therapies. *Nat Med*. 2021 Nov;27(11):1970-1981

Aschenbrenner D, Quaranta M, Banerjee S, ..., Powrie F, Sansom SN, Uhlig HH. Deconvolution of monocyte responses in inflammatory bowel disease reveals an IL-1 cytokine network that regulates IL-23 in genetic and acquired IL-10 resistance. *Gut*. 2021 Jun;70(6):1023-1036

Ryzhakov G, West NR, Franchini F, Clare S, Ilott NE, Sansom, SN, ..., Powrie F. 2018 Alpha kinase 1 controls intestinal inflammation by suppressing the IL-12/Th1 axis. *Nat Commun* 9(1):3797

Hegazy AN, West NR, Stubbington MJT, Wendt E, ..., Teichmann SA, Keshav S, Powrie F. 2017. Circulating and Tissue-Resident CD4(+) T Cells With Reactivity to Intestinal Microbiota Are Abundant in Healthy Individuals and Function Is Altered During Inflammation. *Gastroenterology* 153: 1320-37 e16

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

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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

BioCity PhD Mini-Symposium

August 23rd at 13:00-17:00
On-site event
Manu1-4 meeting room, BioCity

A team of Doctoral Researchers are delighted to announce the BioCity PhD Mini-Symposium planned on the afternoon before the main symposium, i.e., on Wednesday 23rd August, 2023. This will be an ideal platform for PhD researchers and early-career post.docs to connect, network and exchange ideas before the main event. The student and researcher community of BioCity Turku has diverse scientific and technical expertise, and the intent is to facilitate interactions in an informal way.

The event itself will have two poster sessions and a few talks, with coffee, snacks and drinks of course, and the event will take place in Manu1-4 meeting room, in BioCity at 13:00-17:00.

Sign up for the event by Friday 30th June:
https://link.webropolsurveys.com/S/28615F9B6B8DCE08

Stay tuned for updates and program, they will appear soon:
https://biocityturku.fi/student-symposium/

Meanwhile, if you have any questions, feel free to reach out to either one (or all) of the following organizing committee members:
Omkar Joshi (omkar.joshi@utu.fi)
Leena Koskinen (leena.m.koskinen@utu.fi)
Marie-Catherine Laisne (marie-catherine.laisne@abo.fi)

32nd BioCity Symposium

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

Registration is open until **Friday 11 August 2023, 23:59** (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. 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!

CompLifeSci Funding Call

Grants are intended to attend conferences, workshops and courses, including online events, The call is continuous and it will close at 31.10.2023

Take a look at the detailed call text from here, click!

Doctoral Researcher / Postdoctoral researcher

The Photosynthetic Microbes research group based in the Department of Life Technologies of the University of Turku is looking for a talented and motivated doctoral student (doctoral researcher) / postdoctoral researcher to join our international and dynamic team. The Photosynthetic Microbes group, led by Prof. Yagut Allahverdiyeva, focuses on both the fundamental aspects of photosynthesis and applied photosynthesis, studying water remediation, biofuels and chemicals production from cyanobacteria and microalgae. The group is currently participating in several EU, Nordic, and national projects. You can learn more about us here: www.utu.fi/photo-microbes and in Twitter @PhotoMicrobes.

Using algae in wastewater treatment provides a sustainable and clean solution, while also adding value to the process through biomass production and nutrient recovery. The successful applicant will be involved in the REALM EU Horizon Europe Innovation Action project, which aims to develop a pilot-scale wastewater treatment system for agricultural drain water and nutrient recovery. For more information, please visit: https://realmalgae.eu

The successful applicant will operate a pilot-scale algae cultivation in PBR (in semi-continuous/continuous mode), create operational scenarios by experimenting different parameters to achieve maximum nutrient recovery and (daily) biomass accumulation, as well as characterizing the produced algal biomass for valorization.

A successful applicant will be part of the Doctoral Program in Technology in the case of a doctoral researcher. For more information visit https://www.utu.fi/en/research/utugs/dpt

Please find the full call text and submit your **application at latest 14 June 2023**: https://www.utu.fi/en/university/come-work-with-us (jobID 14920)

Postdoctoral Researcher / Project Researcher

We have a position open to lead the development and application of dynamic phenotypic screens applied to neurons differentiated from human iPS cells representing three rare diseases of the Ras pathway that affect the nervous system. The screens will be used to identify repurposable molecules with potential for rapid entry into clinical use. The project makes use of optical probes and actuators together with high-throughput imaging and lab automation instrumentation at a facility developed by our lab.

We are primarily looking for a person who has a relevant PhD degree in cell biology, molecular neuroscience or a related field. An applicant with a Masters' degree and fewer qualifications may

alternatively be considered for a Doctoral Researcher's position or a Project Researcher's position. In the case of a Doctoral Researcher, the applicant is expected to apply to join a doctoral programme of the University of Turku and have the corresponding required English language qualification or exemption.

Please find the full call text and submit your **application at latest 19 June 2023**:
https://www.utu.fi/en/university/come-work-with-us/open-vacancies (jobID 14916)

For further information about the position, please don't hesitate to contact michael.courtney@utu.fi

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Senior Researchers / Project Researchers

The Department of Computing at the University of Turku is searching for 1-2 Senior researchers or Project researchers in computational microbiome research. The positions focus on the development and application of computational methods in microbial ecology and metagenomics as part of the international collaboration projects of the research team. The work is research-oriented but may include other tasks, such as coordination and teaching. The work is supervised by associate professor Leo Lahti (Department of Computing) and the research team's home pages are https://datascience.utu.fi/

The positions are fixed-term ending February 28, 2025. The duration may be extended later according to the project situation, and this can be evaluated during 2024. The preferred start date is November 1, 2023, but the date is negotiable.

Please find the full call text and submit your **application at latest 19 June 2023**:
https://www.utu.fi/en/university/come-work-with-us/open-vacancies (jobID 14953)

For further information about the positions, please contact Leo Lahti leo.lahti@utu.fi

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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

Follow us in Twitter @BioCityTurku