BioCity Turku Announcement 47/2024

47/2024

This week

* Turku Gut-Brain Axis Symposium, 20th November
* CellCom Seminar, 21st November at 10:00, Coulombe
* InFLAMES Corporate Corner, 21st November at 11:30

Next week

* Find Partners for HE Health Calls, 28th November at 12:00
* IPP Seminar, 28th November at 15:00, de Weerth
* CellCom Seminar, 28th November at 12:30, Lennon
* PiF Friday Café, 29th November at 13:00

In near future

* Immunology Seminar, 3rd December at 14:00, Dufva
* TCRS Christmas Seminar, 3rd December at 15:00
* MSc Thesis Project Expo, 4th December at 09:00
* SPARK Europe Webinar, 4th December at 17:00, Schow
* Frontiers of Science, 5th December at 12:00, Küster
* European Partnership Event, 9th December at 14:00

Courses

* scRNA-seq Annotation Workshop, 25th and 28th November

Open calls

* canSERV
* SPARK Finland

Open positions

* Doctoral Researcher or Postdoctoral Researcher
* Doctoral Researcher or Postdoctoral Researcher

Links to recruitment pages

Turku BioNet Seminar Calendar
Kiinamyllyn viikkokalenteri
PGE Course Calendar

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Turku Gut-Brain Axis Symposium

20th November
On-site event
in Presidentti Auditorium, BioCity
Flyer

The gut-brain axis depicts the bi-directional communications between gut and the central nervous system, which is implicated in brain-related pathophysiology. Studying the microbiota-gut-brain axis is a multidisciplinary approach requiring input from various research fields including, but not limited to psychiatry, neurology, gastroenterology, microbiology, and bioinformatics.

As a field, the microbiota research is rapidly advancing as both the 'omics techniques, and diagnostics as well as bioinformatic tools continue to develop and help researchers to make better inferences. The Gut-Brain Axis Seminar is a one-day translational research seminar on microbiota-gut-brain axis to bring together local as well as international renowned researchers to present and discuss challenges and advancements in the field.

The key-note speakers are
Rochellys Diaz-Heijtz from Karolinska Institute
(https://ki.se/en/research/research-areas-centres-and-networks/research-groups/genetic-and-molecular-basis-of-nervous-system-disorders-rochellys-diaz-heijtz-group)
and
Thomaz F. S. Bastiaanssen from University of Amsterdam
(https://thomazbastiaanssen.github.io)

Program

08.45 - 9.30 Arrivals with Coffee, Posters & Exhibition'
9.30 - 10.15 Thomaz Bastiaanssen: Making sense of longitudinal and multi-omics host-microbiome experiments
10.15 - 11:00 Filip Scheperjans: Gut Microbiota in Parkinsons Disease – from the basics to the clinic
11.00 - 11.20 Danique Mulder: The (lack of) consistency in gut-brain studies: review of literature and project proposal
11.20 - 11.30 Sponsor greetings: Aluke
Lunch & Posters
13.15 - 13:55 Alejandro Vasquez: Advances made on gut microbiome and mental health
13:55 - 14.25 Mirjam Bloemendaal: The role of the gut microbiome in antidepressant treatment efficacy
14.25 - 14.45 Veronika Górová: Alzheimer's disease and nasal microbiome alterations
14.45 - 15:00 Venla Huovinen: Executive functioning and gut microbiota
15:00 - 15.10 Jonna Jalanka, IFF: Circadian rhythm & gut microbiome

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15:10 - 15:20 Sponsor Greetings: International Flavors & Fragrances Inc
Coffee, Posters & Exhibition
15.40-16:00 Alex Dickens: The role of the endocannabinoid system as a long-range messenger in brain to periphery communication
16:00-16:20 Mikael Niku: Modulation of prenatal development by maternal microbial metabolites

More information about the event from Anna Aatsinki (ankaaa@utu.fi)

CellCom Seminar

21st November at 10:00
On-site event
in Ministeri Auditorium, BioCity 1st floor

Prof. Pierre A. Coulombe, University of Michigan Medical School, Ann Arbor, Michigan, USA
Cytoskeletal keratins as regulators of homeostasis and innate immunity in healthy and diseased epithelia

Host: John Eriksson (john.eriksson@bioscience.fi)

Snack, coffee, and tea served at 9:45

Join us for an engaging seminar with Prof. Pierre Coulombe, G. Carl Huber Professor and Chair of the Department of Cell & Developmental Biology at the University of Michigan Medical School. Prof. Coulombe's research has revealed key mechanisms of epithelial regulation, focusing on skin biology, particularly in understanding how keratin proteins support cell differentiation, tissue resilience, and repair mechanisms. His lab has made significant discoveries in cytoskeletal signaling, revealing how keratins influence cellular processes like inflammation, immunity, and gene regulation, which are critical for developing therapies for genetic skin disorders and cancer. Do not miss this opportunity to learn from a global leader in epithelial biology and cytoskeletal research of keratin intermediate filaments!
https://medicine.umich.edu/dept/cdb/pierre-coulombe

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https://medicine.umich.edu/dept/cdb/pierre-coulombe

InFLAMES Corporate Corner

21st November at 11:30-16:00
On-site event
in Cave auditorium, Joki Innovation Centre

InFLAMES Corporate Corner *From Data to Innovation* will be held on Thursday, 21 November 2024. The event will start with lunch at 11:30, followed by the official program until 16:00 and culminating in a networking after-party. More details on the programme are coming soon.

The confirmed speakers are:
Chief Operating Officer Kaisa Helminen, Aiforia
Expert Clinical Data Scientist Jussi Leinonen, Bayer
Director Digital Medicine Sammeli Liikkanen, Orion Corporation
Director Findata Johanna Seppänen, THL
Special Envoy for Health and Wellbeing Päivi Sillanaukee, STM
Customer Solutions Manager Charlotte Granberg-Haakana, CSC
Research Director Laura Elo, University of Turku
Associate Professor Pekka Ruusuvuori, University of Turku

Register to the event by November 18 https://konsta.utu.fi/Default.aspx?tabid=88&tap=19858

More information about the event from https://inflames.utu.fi/events/inflames-corporate-corner-from-data-to-innovation/

Find Partners for HE Health Calls

28th November at 12:15-16:00
On-site event
in Workshop auditorium, Joki innovation centre 3rd floor

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Join us for a dynamic event dedicated to networking, collaboration, and project development around the Horizon Europe Health calls. We bring together researchers from diverse disciplines and provide a platform for companies and other stakeholders interested in health-related topics, and aim to foster collaboration and support the formation of consortia for Horizon Europe or other funding proposals

We'll begin the afternoon with inspiring keynote talks, offering insights from both academic and industry perspectives. Afterward, engaging group discussions will take place, and participants are warmly invited to stay for networking and refreshments until 17:00. There is place for 50 participants, first come first serve. Don't miss this opportunity to connect, share ideas, and spark new partnerships!

Secure your spot and register at latest 22 November 2024:
https://link.webropolsurveys.com/S/2BD99560A4906E79

More information about the event: https://www.utu.fi/en/news/news/find-partners-for-horizon-europe-health-calls-in-a-networking-event-on-28-november-2024

IPP Seminar meets TREMENDO

28th November at 15:00
Onsite event
Lauren 1, Medisiina D1017
Autumn 2024 program

Prof. Carolina de Weerth, MD, PhD, Radboud university Medical Center, Nijmegen, the Netherlands
Stress in Early Life - Mechanisms and Potential Impact

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

CellCom Seminar

28th November at 12:30-13:30
Onsite event
in Biocity building, Åbo Akademi 3rd floor Biochemistry seminar room, A-side

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Prof. Rachel Lennon, Director of the Wellcome Trust Centre for Cell-Matrix Research, University of Manchester, UK
Too much turnover - basement membrane dynamics in disease

Host: Johanna Ivaska (johanna.ivaska@utu.fi)

Coffee and pulla will be served beforehand, so please arrive a few minutes earlier. First come, first served.

Prof. Lennon is available on Thursday for scientific discussions. If you would like to book a meeting with her, please contact Johanna Ivaska (johanna.ivaska@utu.fi). Also, Rachel will be Jasmin Kaivola's PhD opponent on Friday 29th of November in Calonia (Cal I auditorium) at 12.00.

Understanding mechanisms of glomerular disease, the leading cause of kidney disease in adults and children. The glomerular capillary wall is a highly sophisticated filtration barrier that comprises specialised endothelial cells, the glomerular basement membrane and specialised epithelial cells known as podocytes. Basement membrane regulation is fundamentally required for barrier integrity. The Lennon lab have developed proteomic methods to resolve the cell adhesion-matrix interface and have interrogated ultrastructure using serial block-face scanning electron microscopy. Using a combination of in vitro systems (glomerular cell coculture, kidney organoids) and animal models (mouse, zebrafish) they seek to understand mechanisms of glomerular barrier injury and repair.

Selected publications

Stark Z, Byrne AB, Sampson MG, Lennon R, Mallett AJ. A guide to gene-disease relationships in nephrology. *Nat Rev Nephrol*. 2024 Oct 23. doi: 10.1038/s41581-024-00900-7.

Tian P, Koudis NM, Morais MRPT, Pickard A, Fresquet M, Adamson A, Derby B, Lennon R. Collagen IV assembly is influenced by fluid flow in kidney cell-derived matrices. *Cells Dev.* 2024 Sep;179:203923. doi:0.1016/j.cdev.2024.203923.

Chew C, Brand OJ, Yamamura T, Lawless C, Morais MRPT, Zeef L, Lin IH, Howell G, Lui S, Lausecker F, Jagger C, Shaw TN, Krishnan S, McClure FA, Bridgeman H, Wemyss K, Konkel JE, Hussell T, Lennon R. Kidney resident macrophages have distinct subsets and multifunctional roles. *Matrix Biol.* 2024 Mar;127:23-37. doi: 10.1016/j.matbio.2024.02.002.

Morais MRPT, Tian P, O'cualain R, Lawless C, Lennon R. Protocol to characterize basement membranes during kidney development using mass spectrometry-based label-free quantitative proteomics. *STAR Protoc.* 2023 Dec 15;4(4):102741. doi: 10.1016/j.xpro.2023.102741.

Hewitt RJ, Puttur F, Gaboriau DCA, Fercoq F, Fresquet M, Traves WJ, Yates LL Walker SA, Molyneaux PL, Kemp SV, Nicholson AG, Rice A, Roberts E, Lennon R, Carlin LM, Byrne AJ, Maher TM, Lloyd CM.

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Lung extracellular matrix modulates KRT5+ basal cell activity in pulmonary fibrosis. *Nat Commun.* 2023 Sep 27;14(1):6039. doi: 10.1038/s41467-023-41621-y.

PiF Friday Café

29th November at 13:00
Onsite event
in MediCity Seminar Room 4009, BioCity 4th Floor

Prof. Tapani Viitala, Åbo Akademi University; Univeristy of Helsinki
How niche research can lead to successful industrial collaborations

Welcome to this year's last Postdocs in Flames (PiF) Friday Café, where you will hear more about academia-industry collaborative projects. Coffee, pulla, and smoothies are served. First come, first serve!

Viitala research group has since 2010 focused on developing real-time label-free physico-chemical based analytical platforms for characterization of nanoparticle-based drug delivery systems and for measuring complex biological interactions. This is a very niche research area, but currently his research group is overloaded with requests for collaborations, because their unique analysis platforms provide information that is currently not possible to obtain with the state-of-the art techniques in life sciences. This has also given them the opportunity to receive several academia-industry projects funded by Business Finland Co-Innovation, Finnish Research Impact Foundation and PoDoCo. In this presentation, Tapani will shortly describe their analysis platforms, how they have been able to engage with industrial partners and what has been their guiding theses on their path when developing their analytical platforms.

More details about the event from Ábris Bendes (abris.bendes@utu.fi)

Immunology Seminar

3rd December 14-15
Virtual event
In Zoom

Dr. Olli Dufva, University of Cambridge, UK
Title TBA

Host: Professor Riitta Lahesmaa (rilahes@utu.fi)

Register for the Immunology Seminar Series email list to get calendar invitation to the online seminar: https://link.webropolsurveys.com/S/D29C32AA6E8A2F7A

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.

TCRS Christmas Seminar

3rd December at 15:00-20:00
On-site event
in Alhopuro Auditorium, Medisiina D

Turku Cancer Research Society invites all cancer researchers to our Christmas Seminar, and everyone is welcome, from students and researchers to medical doctors. This year there will be several interesting talks by cancer researchers working in different Finnish companies. The winner of the Best Cancer Research Thesis Award will also present his/her thesis (Sirpa and the Markku Jalkanen foundation).

As is tradition, we will have a Christmas dinner for the society members, thanks to our sponsors ThermoFisher and BioNordika.

Please register at latest 25.11.2024: https://link.webropolsurveys.com/EP/328D0BAFADACB277

More information from Gabriela Martínez (gabriela.chacon@utu.fi)

MSc Thesis Project Expo

4th December at 09:00-11:00
On-site event
in Cave auditorium, Joki Innovation Centre

Are you running a life-science lab and looking for MSc students to join your group? Come to the MSc Thesis Project Expo and pick the best students!

MSc Thesis Project Expo is a networking event for bioscience related MSc students and for research groups to meet and get to know one another. The event is intended for both domestic and international bioscience related MSc degree students from both University of Turku and Åbo Akademi University, and it replaces the previous research group presentation events.

The event is organized as a poster exhibition, only one poster (vertical A0) per PI. **Register your group to the event only if you have the possibility to take a MSc thesis student in the upcoming year**. There is place for the first 50 research groups.

Register your research group to the event at latest 18 November 2024:
https://link.webropolsurveys.com/S/EE016D6A1B60FFB6

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The event and the Moodle-site will be promoted to bioscience related MSc students from the Faculty of Medicine (UTU), Faculty of Science and Engineering (ÅAU) and Departments of Life Technologies and Biology (UTU).

More information:
https://www.utu.fi/en/news/news/msc-thesis-project-expo-is-arranged-on-4-december-2024-come-along

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SPARK Europe Webinar

4th December at 17:00
Online event
Autumn 2024 flyer

Steceve Schow, SPARK BIH
Telik story: The rise and fall of a biotech company

SPARK Europe has joint forces for education on translational research and technology transfer! For the sixth time, European SPARK sites will host a joint webinar series during fall 2024.

Frontiers of Science

December 5th at 12:00
Onsite event
in Presidentti auditorium, BioCity
Autumn 2024 program

Prof. Bernhard Küster, Technical University of Munich, Germany
Cancer patient and drug proteome profiling enhance treatment recommendations in molecular tumor boards
Host: Otto Kauko (otto.kauko@utu.fi)

Coffee and sandwich at 11:45, first come first served!

Six PhD researchers and early-career postdocs are welcome to **have a lunch and discuss with Prof. Küster** after the seminar. This is a great possibility to learn hosting skills in a friendly environment and create connections for future. Everyone is welcome to join, BioCity Turku will offer the lunch.

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

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Prof. Küster leads Proteomics and Bioanalytics group at the Technical University of Munich, which comprises an international research team with a focus on proteomics and chemical biology. Most of their research builds on the powerful combination of cell biology, chemistry, biochemistry, mass spectrometry and bioinformatics. The group develops novel analytical methods for quantitative proteome research notably for high throughput applications and the analysis of post translational protein modifications (PTMs). In their chemical biology efforts, they elucidate the selectivity of drug-target interactions on a proteome-wide scale, investigate the cellular mechanisms by which drugs exert their function and identify mechanisms of cancer therapy resistance. In addition, the group investigates phosphoproteomic signaling events as biomarkers for patient stratification, as well as indicators of drug effectiveness and treatment response.

Selected publications

Chang YC, Gnann C, Steimbach RR, Bayer FP, Lechner S, Sakhteman A, Abele M, Zecha J, Trendel J, The M, Lundberg E, Miller AK, Kuster B. 2024. Decrypting lysine deacetylase inhibitor action and protein modifications by dose-resolved proteomics. Cell Rep. 43(6):114272. doi: 10.1016/j.celrep.2024.114272

Eckert S, Berner N, Kramer K, Schneider A, Müller J, Lechner S, Brajkovic S, Sakhteman A, Graetz C, Fackler J, Dudek M, Pfaffl MW, Knolle P, Wilhelm S, Kuster B. 2024. Decrypting the molecular basis of cellular drug phenotypes by dose-resolved expression proteomics. Nat Biotechnol. doi: 10.1038/s41587-024-02218-y

Reinecke M, Brear P, Vornholz L, Berger BT, Seefried F, Wilhelm S, Samaras P, Gyenis L, Litchfield DW, Médard G, Müller S, Ruland J, Hyvönen M, Wilhelm M, Kuster B. 2024. Chemical proteomics reveals the target landscape of 1,000 kinase inhibitors. Nat Chem Biol. 20(5):577-585. doi: 10.1038/s41589-023-01459-3.

Lechner S, Steimbach RR, Wang L, Deline ML, Chang YC, Fromme T, Klingenspor M, Matthias P, Miller AK, Médard G, Kuster B. 2026. Chemoproteomic target deconvolution reveals Histone Deacetylases as targets of (R)-lipoic acid. Nat Commun. 14(1):3548. doi: 10.1038/s41467-023-39151-8.

General information

- You can download and save all the autumn 2024 FoS-seminars to your calendar from here: https://seafile.utu.fi/d/44a70f80ac1e46a9ad0a/
- Registration is not needed, 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, print out the seminar diary and after the seminar ask the BioCity coordinator to sign it https://seafile.utu.fi/d/44a70f80ac1e46a9ad0a/
- Please note that any audio or video recording of the seminars is strictly forbidden.

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- Autumn 2024 image credits to Mia Åstrand: Details of the Bacteroides fragilis VgrG protein (PDB ID: 8GRA). Image created in the PyMOL Molecular Graphics System, Version 2.5 Schrödinger, LLC.

European Partnership Event

9th December at 14:00-16:30 (local Brussels time)
On-site event
in Permanent Representation of Finland to the EU
Avenue de Cortenbergh 80, Brussels

Join us in an inspiring event exploring how universities are contributing to the European partnerships and how they can work more effectively with companies to achieve the goals of the EU. The European Partnerships bring together the European Commission and the private and/or public partners with the aim to find solutions to European and global challenges through research and innovation, they are a key element in implementing the Horizon Europe programme. Lessons learned from partnerships are also feeding into the next Framework programme.

The role of European partnerships in facilitating a sustainable and competitive Europe

14.00 Coffee, mix and mingle

14.30 Opening words and welcome
Jukka Kola, Director EU & RDI Affairs, University of Turku
Niina Nurkkala, Senior Specialist research & Innovation, space, Euratom, Permanent Representation of Finland to the EU

14.35 Invited short talks
THE ROLE OF RESEARCH ORGANISATIONS IN EUROPEAN PARTNERSHIPS: SUCCESSES, STRENGTHS, BOTTLE NECKS AND FUTURE CHALLENGES
Jukka Kola, Director EU & RDI Affairs, University of Turku (chair)
Yagut Allahverdiyeva, Professor, Molecular Plant Biology, University of Turku
Jarkko Paavola, Research Group Leader of Wireless Communications and Cybersecurity, Turku University of Applied Sciences
Inka Orko, Head of Business Development, Sustainable products and materials, VTT Technical Research Centre of Finland

15.30 Panel discussion
HOW CAN UNIVERSITIES WORK MORE EFFECTIVELY TOGETHER TO ACHIEVE THE GOALS OF THE EU?
Marion Jamard, Policy Officer, DG RTD, Common missions and partnerships service
Anders Öster, General Manager, Research Coordination & Funding, Wärtsilä
Samuele Ambrosetti, Innovation and Programming Manager, Bio-based Industries Consortium

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Mirva Salokorpi, Research Manager, Technology and Seafaring, RDI, Novia University of Applied Sciences

16.20 Closing remarks
Reko Leino, Vice-rector, Åbo Akademi University

Register to the event at latest 1 December
https://konsta.utu.fi/Default.aspx?tabid=88&tap=20195

The event is organized by TRUEnet, Turku Region Universities EU Network.
https://www.utu.fi/en/research/truenet

More information from
https://www.utu.fi/en/news/news/join-us-in-a-european-partnership-event-in-brussels-9-december-2024

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scRNA-seq Annotation Workshop

25th and 28th November at 10:00-16:00

The scRNA-seq annotation workshop is for researchers and data analysts working on single-cell RNA sequencing (scRNA-seq) data annotations. Aim of the workshop is to collaboratively agree on naming conventions and to identify markers for cell types and cell states in relevant scRNA-seq dataset(s). Additionally, the optimal annotation granularity for different study cases will be discussed in the workshop.

Workshop goals

1. Naming the relevant cell types and cell states: Establishing clear and consistent names for different cell types, cell states, and cell hierarchies in the biological systems of participant's interest.
2. Finding Markers: Utilizing available resources to identify markers for the agreed-upon cell types and states.
3. Curating Markers: Studying and curating markers in real scRNA-seq datasets to identify reliable markers for specific cell types and cell states.

Workshop includes

1. Lectures
2. Discussions
3. Hands-on work on nomenclature, marker collection and marker curation

For practical reasons, attendance is limited to 20 participants. The workshop focuses especially to human immune cells and at most to one other biological system. We especially encourage **people working with human or mouse immune cells** to attend. Possibility to use one's own dataset can be discussed with the organisers.

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The event is free of charge and you can register to the course at latest 11 November: https://link.webropolsurveys.com/EP/5BB80B9AABC121BD

Please note: After registering everyone ends up in a queue from where the course organizers will select the participants and inform them separately.

More information about the event from Iivari Kleino (iivari.kleino@utu.fi)

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canSERV

Exciting news for cancer researchers! The third EU-funded canSERV call is open and is now accepting applications to support cancer research projects. The researchers can apply for free services (equipment, expertise, resources) at several European Research Infrastructures, including Euro-BioImaging ERIC.

Euro-BioImaging is coordinating and providing open access to a portfolio of cutting-edge biological and biomedical imaging services. Within canSERV call, 28 Euro-BioImaging Nodes provide imaging services. Euro-BioImaging Finland offers open-access imaging technologies and expert services to academic and SME users through two multi-sited Nodes: Finnish Advanced Microscopy Node (FiAM) and Finnish Biomedical Imaging Node (FiBI):

Key dates and important highlights:

- The deadline for proposal submission is **November 28th 2024, 14:00 CEST**
- The experiments must be completed before the end of canSERV, i.e. end of August 2025
- All external users (even those from Finland) are eligible to apply for FiAM & FiBI services via the canSERV call. An external user is defined here as a user who is not affiliated with the same institute hosting the facility
- Access to services can be in person or remotely
- It is recommended that requests for Euro-BioImaging services are limited to a maximum funding volume of 20 000 Euro per project. Potential user projects with higher costs are not excluded, but in this case please contact the Euro-BioImaging Hub for discussion.
- Even though image analysis is not listed as a separate service, users can apply for it via FiAM - Multimodal Advanced Light Microscopy, even for standalone image analysis projects.

The full call text, including user guidelines and other useful information, and the canSERV catalog of services can be accessed via
https://www.canserv.eu/calls/open-call-for-transnational-service-provision/
https://www.eurobioimaging.eu/how-to-access/funding/canserv-second-open-call/

If you have any questions or need help with making the application, please do not hesitate to contact canservprojects@eurobioimaging.eu

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In case you are aiming to apply for Euro-BioImaging Finnish Nodes services, please contact our Node Managers, who are more than happy to assist you:
Irina Belaia, FiAM Node Manager, irina.belaia@utu.fi
Tiina Saanijoki, FiBI Node Manager, tiina.saanijoki@utu.fi

SPARK Finland

SPARK Finland call is open 1.-30.11.2024!

The SPARK program provides mentors and advisors to help you develop your ideas into high-impact health innovations. You are more than welcome to attend the online **information session** for new applicants (and others interested in the program) on Monday 11.11. at 14-15. If you have any questions or need more additional information, please do not hesitate to contact Janina Stauffer (jejsta@utu.fi)

More information from https://sparkfinland.fi/applying/

Doctoral Researcher or Postdoctoral Researcher

We are looking for a highly motivated Doctoral Researcher or Postdoctoral Researcher to join a project that explores the mechanisms of RNA regulation in male germ cells in the research group of Professor Noora Kotaja at the Institute of Biomedicine, University of Turku, Integrative Physiology and Pharmacology Unit. The position is fixed-term from 1 January 2025 to 31 December 2028 (starting date can be agreed).

The research in the Kotaja lab (https://kotajalab.utu.fi/) focuses on the mechanisms of RNA regulation during male germ cell differentiation, and their implications on male fertility and on RNA-mediated paternal epigenetic inheritance of acquired conditions such as metabolic disorders. We are mainly using mouse as a model, but also collaborating with human cohort studies to translate our results to human health. The project includes bioinformatics analyses of RNAseq, long-read RNAseq and small-RNAseq datasets, and the development of analysis pipelines.

More details on https://ats.talentadore.com/apply/vaitoskirjatutkija-tai-tutkijatohtori-bioinformatiikka/m7wy1P?lang=en&UTUID=20567

Apply at latest 22 November 2024 at 16:00

Doctoral Researcher or Postdoctoral Researcher

We are looking for a highly motivated Doctoral Researcher or Postdoctoral Researcher to join a project that explores the mechanisms of RNA regulation in male germ cells in the research group of Professor Noora Kotaja at the Institute of Biomedicine, University of Turku, Integrative Physiology and Pharmacology Unit (https://www.utu.fi/en/university/faculty-of-medicine/institute-of-

biomedicine/research). The position is fixed-term from 1 January 2025 to 31 December 2028 (starting date can be agreed).

The research in the Kotaja lab (https://kotajalab.utu.fi/) focuses on the mechanisms of RNA regulation during male germ cell differentiation, and their implications on male fertility and on RNA-mediated paternal epigenetic inheritance of acquired conditions such as metabolic disorders. We are mainly using mouse as a model, but also collaborating with human cohort studies to translate our results to human health. The methods include a wide range of histological, bioimaging and molecular biology methods and high throughput small-RNAseq and RNAseq.

More details on https://ats.talentadore.com/apply/vaitoskirjatutkija-tai-tutkijatohtori-biolaaketieteellinen-tutkimus/Zq1k2x?lang=en&UTUID=20568

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Links to recruitment pages

University of Turku in Finnish and in English
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FinBioNet

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