

HDACs as regulators of T cell-mediated immunity in health and disease

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Impromptu SFB F70 Seminar Regulation of human T cell differentiation

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Friday, 13th of May, 2022, 11:30 a.m.

Zoom: <https://us02web.zoom.us/j/86869172031?pwd=NWh2cCtEa0F2U2xUdG0wZi9meVExUT09>

Meeting ID: 868 6917 2031 Passcode: 550938

Host: Wilfried Ellmeier

The Seminar will be organized as a hybrid seminar at the VCC Seminar room (Lazarettgasse 19, 1090 Vienna). If you are interested to join in person, please contact: maria.umundum@meduniwien.ac.at

Prof. Lahesmaa is the Director of Turku Bioscience Centre, Turku, Finland and the Co-Director of BioCity Turku Centre for Lifespan Research. She got M.D. and Ph.D. in immunology from the University of Turku. Prof. Lahesmaa was a postdoctoral fellow at Stanford University Medical Center and a Principal Scientist at Roche Bioscience in Palo Alto, California. She has been a visiting professor at Harvard Medical School, Stanford University and UCSF. Prof. Lahesmaa founded and directed Turku Centre for Systems Biology 2000-2015 and was vice-director of The Academy of Finland Centre of Excellence in Systems Immunology and Physiology. She was the Academy Professor of I the Academy of Finland in 2016-2020. Prof. Lahesmaa is the President of the Finnish Society of Immunology and member of the board of Scandinavian Society of Immunology. She has published > 200 original papers and reviews and has several issued patents and patent applications. Prof. Lahesmaa is an elected member of the Finnish Academy of Science and Letters since 2012. Prof. Lahesmaa's research in molecular systems immunology aims at understanding molecular mechanisms of regulation of human immune response and pathogenesis of type 1 diabetes and other human immune mediated diseases. T cells orchestrate our immune system and a proper balance of T cells is crucial for immune defense in healthy individuals.



Selected recent publications

- Bichacher et al. Persistent coxsackievirus B1 infection triggers extensive changes in the transcriptome of human pancreatic ductal cells. *iScience* (2022). 25.
- Sen et al. Quantitative genome-scale metabolic modeling of human CD4+ T cell differentiation reveals subset-specific regulation of glycosphingolipid pathways. *Cell Reports* (2021). 37.
- Henriksson et al. Genome-wide CRISPR Screens in T Helper Cells Reveal Pervasive Crosstalk between Activation and Differentiation. *Cell* (2019). 176