



The Chaperon project and STRATAGEM COST Action invite you to a lecture

## Downstream analysis of scRNASeq data

the talk will be given by

**Dr. Thomas Mohr**

Medical University of Vienna and Comprehensive Cancer Center, Vienna, Austria

Tuesday 22. 2. 2022

1:30 – 2:15 p.m.



Blue Lecture Hall, UniMeC, Faculty of Medicine in Pilsen

Tumor heterogeneity and tumor microenvironment are shown to have a significant impact on therapy efficacy, complicating treatment and increasing the need for personalized medicine. Single cell transcriptomics offers insight into this heterogeneity, by visualizing the activity for each individual cell, to understand cancer development, prognosis, and therapy efficacy. Dr. Thomas Mohr will talk about downstream analysis of scRNA-seq data, for example, Gene Set Variation Analysis and co-expression network based analysis techniques. He will demonstrate analysis workflows with practical examples and will talk about the potential, but also about the limitations and caveats of such techniques.



The event is part of a project that has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N°856620. The STRATAGEM Action has received funding from the European Union as part of the Intergovernmental Programme "European Cooperation in Science and Technology (COST)" - CA17104.



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# Gene Co-expression Network Analysis with WGCNA

the talk will be given by

**Markus Riedl**

Medical University of Vienna and Comprehensive Cancer Center, Vienna, Austria

Tuesday 22. 2. 2022

2:15 – 2:45 p.m.



Blue Lecture Hall, UniMeC, Faculty of Medicine in Pilsen

The aim of presentation will be using of the established and widely used Weighted Gene Co-expression Network Analysis (WGCNA) to optimize the detection of co-expression-based gene modules and their biological significance.



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