

International Workshop:

“Thermodynamics and system fluctuations of cell-fate change“

Institute of Technology, University of Tartu, Estonia

June 20th, 2024

Programme (Tartu time)

- 09:00 **Internal Meeting** of the collaborating partners:
R. Kurg, Tartu, J. Erenpreisa, Riga, M. Hausmann, Heidelberg: **Opening**
- 09:10 J. Erenpreisa, Riga: **New results, interpretation and perspective considerations**
- 09:50 F. Rūmnieks, Riga: **Image Analysis of Immunolabeled H3K9me3 and H3K4me3 Chromatin Texture and Topology in PA1 Embryonal Carcinoma Cells Treated with Etoposide**
- 10:05 M. Bayer, Heidelberg: **Localization microscopy and topological analysis of heterochromatin networks (H3K9me3) in PA1 cells**
- 10:20 All participants: **Discussion**
- 12:00 R. Kurg, Tartu, J. Erenpreisa, Riga, M. Hausmann, Heidelberg: **Summary and conclusions**
- 12:30 Lunch Break
- 14:00 **General Meeting**
- 14:10 R. Kurg, Tartu, J. Erenpreisa, Riga, M. Hausmann, Heidelberg: **Opening**
- 14:10 Michael Hausmann, Heidelberg: **Characteristic chromatin networks and their changes during damage response**
- 14:50 A. Giuliani, Rome: **Toggle Switches: Digital vs. Analog Control**
- 15:30 Coffee Break
- 16:00 J. Erenpreisa, N. M. Vainshelbaum, K. Salmina, Riga: **Evolutionary Adaptations and Cooperativity in Cancer Resistance to Treatments**
- 16:40 R. Kurg, Tartu: **Extracellular vesicles as carriers of biological material**
- 17:20 R. Kurg, Tartu, J. Erenpreisa, Riga, and M. Hausmann, Heidelberg: **Closing remarks**
- 17:30 End of the workshop

Participation is possible on place and virtually.

Please, register until June 17th, 2024: <https://forms.gle/RafedjKHHC2uJxBn6> or

Further information by Reet Kurg <reet.kurg@ut.ee>

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