


Scientific conferences

In the second project period, CEITEC MU researchers and doctoral students from the INTEGRNA project participated in and disseminated information about RNA research for example, in the following conferences:

- [Mendel genetics conference](#) – In 2022, we celebrated the bicentennial of the birth of the father of genetics, Gregor Johann Mendel. To pay tribute to this pre-eminent scientist of the 19th century, Mendel Genetics Conference took place between 20- 23 July 2022 in Brno, the city where Mendel spent a substantial part of his life and laid the foundations of genetics. Our researchers from CEITEC and partner institutions (EMBL) gave lectures during the conference.
- [The International Conference of Sexual Plant Reproduction](#) in Prague. Juan Francisco Sánchez López, a PhD student in H. Robert Boisivon's team, presented his work in front of an expert audience. He did such a great job that he won the H.F. Linskens Best Lecture Award.

Seven selected talks or poster presentations at external conferences were supported to present results achieved jointly by CEITEC MU researchers and those of internationally leading partners

- [Oddpols 2023](#) in Spain: During International conference on transcription mechanism and regulation by archaeal RNA polymerases and eukaryotic RNA polymerases I, III, IV and V CEITEC MU postdoc Lucie Bozděchová from Jiří Fajkus group presented their recent results by conference poster in the poster section.


**Structural analysis of telomerase RNA
in *Physcomitrium patens***

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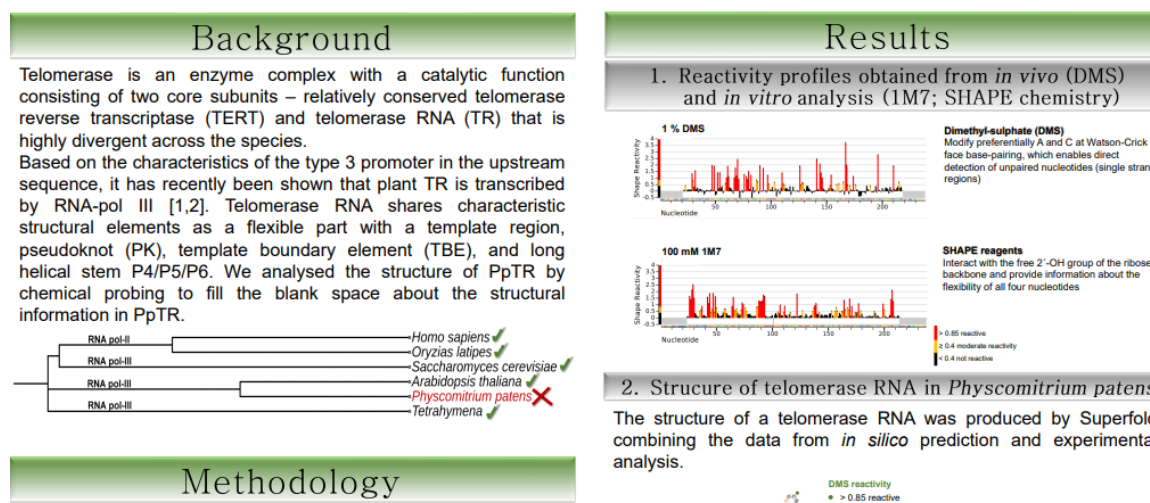


Figure 3. Excerpt from the poster of Lucie Bozděchová

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- The [28th Annual Meeting of the RNA Society](#) 2023 in Singapore: Veronika Rájecká and Mary O'Connell represented CEITEC MU there. Conference included many talks and posters within RNA biology field. The data were presented by PhD students, postdocs, and also by world lead scientist in RNA biology field, thus bringing new and unpublished information. Veronika contributed with the poster presentation “The role of Trf4p in the biogenesis of protein-coding transcripts in *Saccharomyces cerevisiae*”, where she presented data obtained during the course of her PhD. She appreciated broadening contacts within the scientific community, attending many talks connected to her research area, and getting new information from the field, improving her presentation skills.

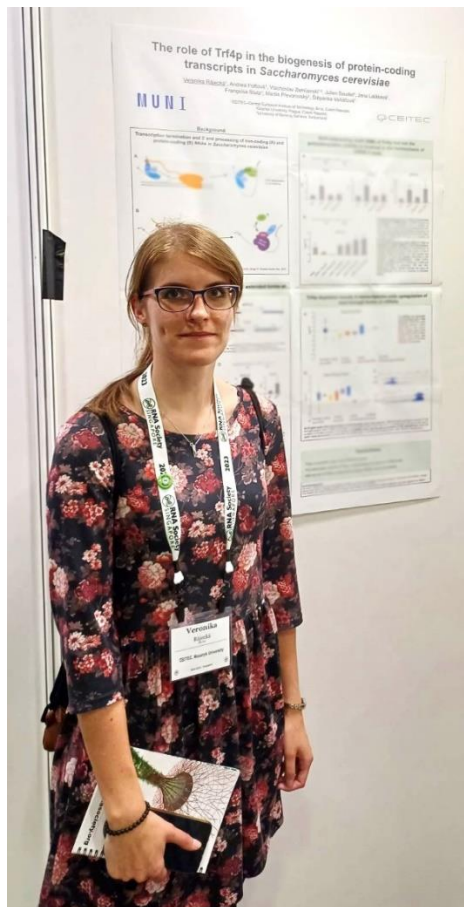


Figure 4.. Veronika Rájecká with her poster

- The [RNA meet protein turnover](#) 2023 in Croatia: Vivek Kumar Raxwal, Neha Shukla (Karel Říha group) and Huma Shakoor (Peter Lukavsky group) presented their results at this conference. Vivek stated that till now, the scientific community studied RNA and protein decay as a separate mechanisms. This conference showed that both these processes are tightly interlinked and translation is the hub for decision-making. This goes parallel with his scientific question therefore he attended this conference to gain knowledge and get input on the project from the community. He presented a poster titled “Deciphering function of UPF1 helicase beyond RNA decay”. His work was perceived very well and he was rewarded with the best poster award. He received valuable scientific input from the community and also gained attention from the community. This

conference was very valuable in terms of obtaining future collaborators as well as expanding his scientific network.

Neha Shukla attended this conference because it was focused on the link between RNA and protein decay pathways. She presented her work as a poster presentation titled “Hidden networks: probing the non-canonical functions of Arabidopsis SMG7”. She got valuable feedback from the people in gene regulation and molecular biology field on her current project.

- [RNA Granules 2023 in UK](#): At the conference, Surendra Saddala (Karel Říha group) came across the technologies to study phase separation in-vitro like droplets formation, dispersion induced phase separation. In addition to that, use of single molecule RNA in-situ Hybridization, MS2 system-based RNA visualization in animal or human cell lines. He also learned about the interplay of P-bodies and stress granules during various types of stress. On this platform, he has also presented his research as a poster and got positive feedback from peers and suggestions.

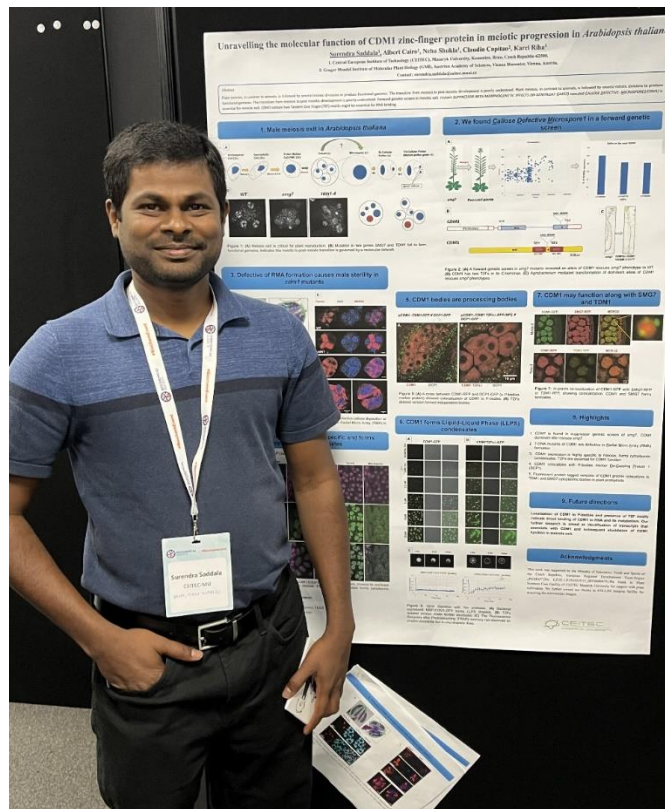


Figure 5. Surendra Saddala with his post