## **Events 2021**

## The roofs were reconstructed and photovoltaic panels installed. We have obtained



A giant nanostructure and Mendel's peas were presented in the campus garden.

We have participated in a number of PR activities.



FESTIVAL VĚDY S JMK

Fajkus et al. present a smart strategy of telomerase RNA (TR) identification based on its conserved type-3 RNA Pol III promoter and TR template elements. The authors characterise TRs in early diverging Vindiplantae taxa, as well as in ciliates and other Diaphoretickes lineages. TRs are validated experimentally and show conservation of core TR structural domains. These results shed light on the evolution of a key eukaryotic non-coding RNA across more than a billion years.

Petr Fajkus et al. published in the journal NAR new results on plant telomeres.

Our earliest, 'half-alive' ancestor needed little boost from heat

e on Earth assembled itself in warm, mildly alkaline conditions, study says

As the most important article of 2021 was selected the article written by Matyášek et al., Mutational Asymmetries in the SARS-CoV-2 Genome May Lead to Increased Hydrophobicity of Virus Proteins, published in Genes, 2021.

Our colleague Judit Šponer was invited by the prestigious journal Science to comment on a new study concerning the origin of life on Earth.