
greatest recent scientific achievements

The greatest recent scientific achievements of Charles University include:

- publishing of a paper by an international research team headed by Professor Jaroslav Flegr from Charles University, Faculty of Science on the impact of a toxoplasma parasite on the proportion between the birth of boys and girls in the prestigious British Parasitology journal
- discovery of a genus whose mutations are the cause of a serious hereditary defect of the eye's cornea (team of Charles University, 1st Faculty of Medicine, General University Hospital in Prague and University College London)
- discovery of the first known eucaryotic organism without mitochondria, i.e. a protozoan of the genus of Monocercomonoides (team of Doc. Vladimír Hampl from Charles University, Faculty of Science, Department of Parasitology)
- the finding of a unique ship from the period of pyramid builders in Abúsír (the Czech Institute of Egyptology, Charles University, Faculty of Arts)
- discovery of an innovative method of ensuring the prevention of blood clotting in the extracorporeal circulation of a device for replacing kidney functions and related patient methods and equipment for its implementation (Plzeň Faculty of Medicine team)
- discoveries in the field of optospintronics, which have been published in prestigious international magazines (team from Faculty of Mathematics and Physics)
- interfaculty and multidisciplinary cooperation when addressing the problem of resistant hypertension, primarily the project Prague?15 – “a study comparing the effect of renal denervation and intensified pharmacological therapy” (teams from 1st and 3rd Faculties of Medicine)
- publication in “Nature” magazine: “Pre-oral gut contributes to facial structures in non-teleost fishes” (team from Faculty of Science)
- “Royal Women in the Visegrad Region: Cult and Art Associated with Them” – project, which is supported by the Visegrad Fund to present a study about the significant women of Central Europe in the 13th century (team from Catholic Theological Faculty)