
Researchers' Night

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2024

The next edition of the Researchers' Night on the theme of Transformation will take place on Friday, 27 September 2024. Our faculty will participate with its interactive programme, lectures and workshops, in the Educational Centre on the premises of the University Hospital Hradec Králové from 5:00 p.m. to 11:00 p.m.



2023

On Friday, 6 October 2023, the Faculty of Medicine in Hradec Králové once again participated in the nationwide science-popularization event Researchers' Night, which took place in the Educational Centre on the premises of the University Hospital Hradec Králové. This time visitors could see what secrets medicine hides. A varied interactive programme was prepared for them by the Department of Medical Biophysics, the Fingerland Department of Pathology, the Department of Anatomy, the Department of Pneumology, the 4th Department of Internal Medicine – Haematology and the Department of Medical Biochemistry.



The event offered workshops for both young and old, lectures on medical topics and a detective game where everyone could try out the work of a doctor for real and try to save a patient. More than 550 visitors came to this year's event.





There was great interest in the programme of the 4th Department of Internal Medicine – Haematology, especially in blood group testing and blood analysis.





The 4th Department of Internal Medicine – Haematology also prepared a lecture on All Colours of Blood, in which Prof. Pavel Žák, acquainted the audience with why there is a red blue, purple or green colour of blood and in which animals it can be found.



In the programme of the Department of Pneumology, visitors could experience how bronchoscopy works and also listen to how the second largest organ in our body sounds.



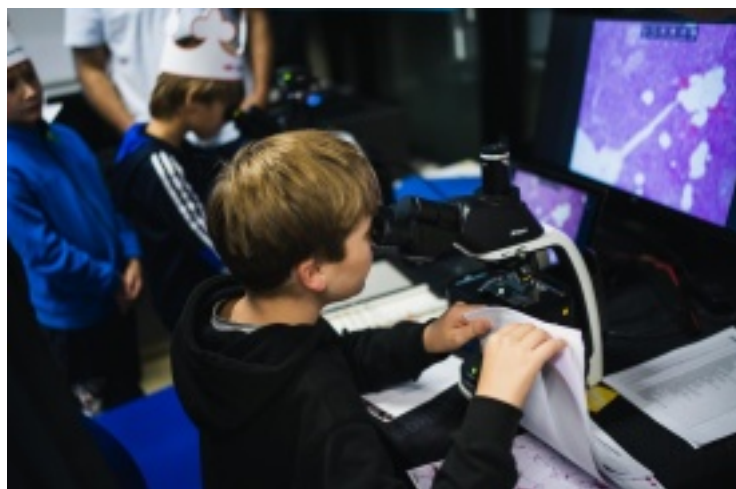
Experts from the Department of Medical Biophysics showed how thermal imaging works and how to use it to detect the different temperatures of different parts of our body. At the workshops of the Department of Anatomy, everyone could see how our bones and organs appear on X-ray images.





And how do damaged kidneys, organ tumors and other pathologies look under the microscope? This and much more was revealed to visitors at workshops prepared by the Fingerland Department of Pathology. At the lecture of Dr. Petra Kasparova, they learned what is and what is the purpose of the appendix worm.





We would like to thank all the participants and we are looking forward to our next meetings together!

2022

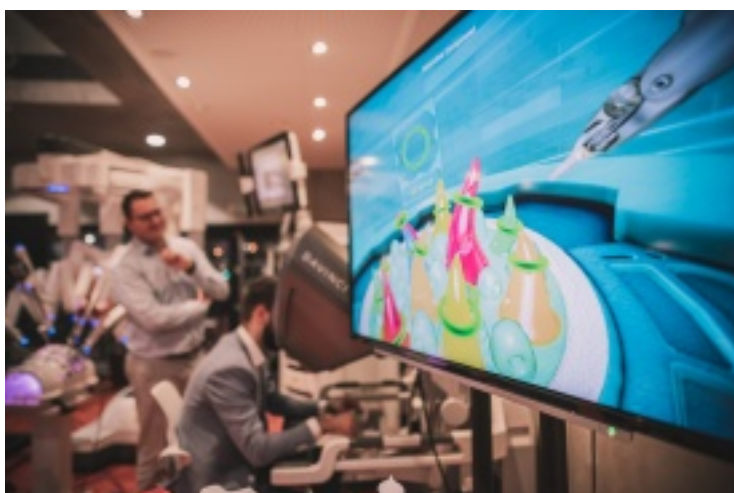
On Friday, 30 September 2022, the Faculty of Medicine in Hradec Králové once again joined the nationwide science-popularization event Researchers' Night. This time the theme was the senses and the programme was held only in the building of the Educational Centre, in the adjacent park and at the Department of Pneumology on the premises of the University Hospital Hradec Králové. The event was attended by over 500 visitors who could choose from a programme divided according to senses. Our faculty was also represented in the programme in Prague, Albertov, where Dr. Petra Kašparová from the Fingerland Department of Pathology gave a lecture to a packed auditorium.



At the Department of Pneumology, visitors could listen to healthy and diseased lungs, try bronchoscopy or measure their blood oxygenation after a run. In the programme of Department of Otorhinolaryngology and Head and Neck Surgery, visitors tested their hearing, looked inside the ear and found out how its different parts work.



In the programme of experts from the Department of Ophthalmology, the Department of Medical Biophysics and the Department of Pathological Physiology, visitors learned how both healthy and defective lenses work and how basic visual defects can be corrected, they could have their visual perception measured, while learning about the application of visual potentials or they could have their eyesight examined by doctors as a preventive measure. Dr. Tomáš Soukup from the Department of Histology and Embryology introduced his lecture to the taste buds and the concept of intuitive eating, which allows us to take care of our physical and mental health through food.



The Department of Anatomy then focused on the "sixth sense", the human ability to perceive the state around and inside the body, specifically the senses from the musculoskeletal system. In the programme of the Department of Urology, visitors could try to hand over their sense of touch to a robot by controlling the da Vinci Xi surgical robotic system themselves. Then, in the park in front of the Educational Centre, visitors could test all their senses on the sensory trail linked to a competitive quiz.

2021

On Friday, 24 September 2021, the Faculty of Medicine in Hradec Králové took part in the science-popularization event Researchers' Night with the theme Time. It prepared for the public both a presentation programme and online broadcasts and premieres of videos on YouTube.

Visitors to the presentation programme could try out organ modelling, a virtual dissection table or their knowledge of the human body, as well as a lecture on the history of tuberculosis by Dr. Petra Kašparová from the The Fingerland Department of Pathology.



During the five-hour online broadcast, the audience watched lectures by Prof. Stanislav Filip (Department of Oncology and Radiotherapy) on biotechnology in palliative care and theranostics in oncology, a lecture by Assoc. Prof. Vladimír Koblížek (Department of Pneumology) on the care of post-covid patients and a lecture by Dr. Tomáš Soukup (Department of Histology and Embryology) on the regeneration of the human body. The audience tested their knowledge in MediQuiz prepared by students of the Faculty of Medicine in Hradec Králové and during the evening they also sent their questions on the topics answered by the lecturers.

For the Researchers' Night, a videos were also created with annotated demonstrations and lectures dealing with the relationship between time and various branches of modern medicine: Prof. Antonín Krajina, Dr. Ondřej Renc (Department of Diagnostic Radiology) spoke about the role of time in interventional radiology in the treatment of ischemic stroke. Assoc. Prof. Igor Sirák and Ing. Petr Paluska (Department of Oncology and Radiotherapy) introduced the audience to the possibilities of modern 4D radiotherapy. Prof. Miloš Broďák (Department of Urology) spoke about what the era of robotic surgery brings in his contribution. The most interesting changes in the human body over time were discussed by Dr. Petr Hájek (Department of Anatomy). Prof. Jiří Mareš spoke about how differently time can be perceived (Department of Preventive Medicine). The videos are available on the [YouTube channel of the faculty](#) .

In Prague, at Charles University in Albertov, Dr. Pavel Borský (Department of Preventive Medicine) spoke about the latest findings in research on slowing down the aging of the human body. The lecture starts at 1:16:00.

2020

In 2020, the Faculty of Medicine participated in the science-popularization event Researchers' Night on the theme of Man and Robot. Due to the unfavourable epidemic situation, the programme was held only in an online distance form. Recordings of the live broadcast and pre-recorded educational videos are available for viewing on the [Faculty's YouTube channel](#).

