Sustainability of national institutes or après nous, le déluge? The fourth year of existence of the National Institute

SCiTopic

NICR | inSCider

internationalisation', says Marek Syoboda on this for Cancer Research (NICR) is, given the project period, also the last year of its financing. The subject. He adds: 'In just four years, NICR has partners pledged to secure at least another three accomplished a vast amount of work, and that not years of its continuation, but the resources have not only in the number of publications, grant applications, doctoral programmes, or junior yet been clarified. 'From the perspective of a physician, scientist, and director of the Masaryk research groups. If it started this well, I am quite Memorial Cancer Institute, which is part of the NICR, I

am convinced about it for at least three reasons: communication. **SCi**Generation

see it as very important that NICR should continue. I

sure that it would contribute to the sustainability of excellent cancer research in the Czech Republic also in the future.' Learn more

education of the new generation of scientists, and

HE FUTURE OF ONCOLOGY

Veronika Vymetálková:

projects continue!

Let us make sure that joint

be fully utilized to further develop scientific

collaboration and innovation. A key step is to

to foster an open scientific community. But it

facilitate interdisciplinary collaboration and

would also be useful to establish a centralised

platform for sharing data and results - it would

accelerate the implementation of new findings.

Learn more

Protein crystallization and

structure determination at room

temperature in the CrystalChip

Petr Pachl..., Pavlína Řezáčová,

DOI: 10.1002/2211-5463.13932

Sylvain Engilberge, Claude

Sauter.

The know-how and infrastructure of NICR should

continue implementing joint research projects and



Crucial and excellent research is naturally also

Learn more

SCiPapers

Dynamics of compartment-

models of liver fibrosis.

Marketa Jirouskova, Karel

Harant..., Martin Gregor.

eLife.

specific proteomic landscapes

of hepatotoxic and cholestatic

interesting for private companies.

2025 April DOI: 10.7554/eLife.98023 PMID: 40197391

SCiCommunity

PMID: 39924584

DOI: 10.1007/s10495-025-

Cell death signaling in human

erythron: erythrocytes lose the

complexity of cell death

Anton Tkachenko, Ondrej

Havranek.

Apoptosis.

2025 April

02081-5

machinery upon maturation

leader of an eponymous research group that is part of NICR and based at the Masaryk Memorial Cancer Institute. Aside from that, Roman Hrstka is the managing director of

value at least for the scientific community, by

adding to existing knowledge, but ideally for the society as a whole', says Roman Hrstka,

Bank of Biological Material of the Masaryk Memorial Cancer Institute and a national coordinator of the BBMRI.cz - Biobanking and

Infrastructure. He sees space for improvement

Biomolecular Resources Research

in terms of greater awareness of what

the scientific community is welcome.

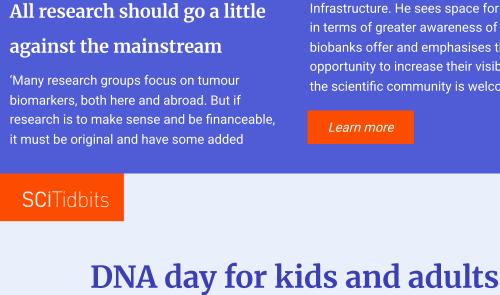
Learn more

biobanks offer and emphasises that any opportunity to increase their visibility within

PMID: 39572886

FEBS Open Bio.

2025 April



VYZKUM DNA A small visual sample from almost 300 works submitted in competitions announced by the

VEDECKY

Institute of Molecular Genetics of the CAS and the NICR called 'Children draw DNA' (for preschoolers and pupils of lower classes of elementary school) and 'What will the evil N'adoor do next?' (for pupils of higher classes of elementary school and secondary schools).

SCiProgramme

published studies contributed to a further

a personalisation of treatment.

SCiIndicators

refinement of cancer diagnostics and thus also to

One of the main aims of NICR is a systematic

in oncology. Emphasis is also placed on

creation of conditions for professional growth and

development of not only early-career researchers

expanding research skills, improvements in the

Bešše

other

Tomáš Etrych.

Žena-IN, 4 March 2025

adequately functioning artificial organ.

CNN Prima News, 13 March 2025

CNN Prima News, 22 March 2025

work with this discovery further', says Hajdúch.

cytoskeletal communication

Medical Tribune, 25 March 2025

Novinky.cz, 16 February 2025

Medical Tribune, 25 February 2025

training of scientists, and support of career

development at all stages of a professional



Indicators are not just publications...

achieved results into clinical practice.

Over 40 successfully defended dissertations, 8

new Dozents (associate professors), and 6 new

habilitations and appointments in the works and

academic environment and confirm the potential

dozens of students preparing for their Ph.D.

defence reflect an improving quality of the

of further development in this area.

Learn more

Women in science would benefit from possibilities

of combining a family with a career, says Lenka

How can one combine work with caring for a family and how different is research work in the Czech Republic and abroad? This and more is discussed

When science and business mutually inspire each

recognises extraordinary scientific transfer from basic research to commercial use, has been awarded to the SophoMer s.r.o. academic biotechnology startup.

This year's Neuron Award for connecting science and business, which

Its scientific team from a collaborating laboratory of the Institute of

shown how to behave, says Václav Liška

Macromolecular Chemistry of the CAS, which is part of NICR, is headed by

Tumours are undisciplined cells that need to be

Václav Liška works as a surgeon at the Faculty of Medicine of the Charles University in Pilsen and is the head of the Laboratory of tumour treatment and tissue regeneration, which is part of the NICR. He and his colleagues currently work on constructing tissue models of the liver with the aim of creating an

The discovery of Czech scientists brings hope: It

Researchers from the NICR who work in the Laboratory of tumour cell biology at the Institute of Biochemistry and Experimental Oncology of the First Faculty

could tame the most aggressive brain tumours

professors in the course of NICR as well as further

Learn more

in an interview with Lenka Bešše, head of one of the research teams of NICR, who spent nine years of her scientific career in Switzerland, which is also where her children were born. She is thus in the right position to compare.

SCiMedia



discovery: they found that collagen I and fibronectin, which both play a key role in the spread of glioblastoma, produce cells similar to pericytes. Their study was published in the Brain Pathology journal. Could aspirin prevent the formation of metastases? It does in mice

In studies that used mouse models of malignant melanoma, aspirin has shown a potential to prevent the formation and spread of metastases. According to Marián Hajdúch, head of the Institute of Molecular and Translational Medicine of the Faculty of Medicine of Palacky University and medical director of NICR, this study of the University College London does bring some crucial insights but one ought to remain cautious. 'The way I see it, it will take a bit of time to understand to what extent these results could be applied to the treatment of human patients. But they certainly help us to better understand how we should

Hepatocellular carcinoma and plectin-mediated

A small organometallic ruthenium-based molecule could be a promising

candidate drug for hepatocellular carcinoma, especially in terms of stopping its transition from a localised to a metastatic disease. These are the implications of a study, recently published in the eLife journal, which was conducted by researchers from the Laboratory of integrative biology of the Institute of

In March, the series of podcasts about science fighting cancer continued with

have discussed, in the Institute of Molecular Genetics of CAD the mission of the Secondary School Expert Activities (SOČ) and the content of workshops for secondary school students organised right at the research institutes and in the

of Medicine of the Charles University and NICR have made an important

In Amongst the Cells: How can we spot the future stars of science?

Molecular Genetics of the CAS, which is part of NICR.

Solstice with Science Festival 19-21 June 2025

laboratories.

18 March 2025

place on the science stage. <u>3rd Summer School on Tumor Microenvironment and Immunity</u> 24.-27 June 2025

Nové Hrady The Czech Immunological Society in collaboration with the Institute of Microbiology of the Czech Academy of Sciences again organise a summer school focused on tumour microenvironment and immunity. The event is intended for doctoral students and recent graduates from doctoral studies.

24.-26 November 2025

SCiCalendar

an episode dedicated to the question of whether science is sufficiently open to new talents, especially in terms of timing. Petr Mazouch, Vice-President of the Central Committee of Secondary-School Expert Activities, and Michal Kolář, lector of a NICR workshop ('The mysterious species under the microscope)

A festival of culture in the historic centre of Opava is a place where music, literature, theatre, and inspiring debates meet and mingle. This time, Jiří Drábek a Josef Srovnal, two researchers from

the NICR who are based close to this town and share a passion for oncogenetics, will take their

Once again, the summer school is organised under the auspices of NICR and other organisations. CACR 2025 - Registration had started!

Hotel NH Collection Olomouc Congress You can already register for the Czech Annual Cancer Research Meeting, which will once again take place in the autumn in Olomouc. Do not forget that deadline for abstract submission is already on 30 June 2025.

the European Union NextGenerationEU NICR NATIONAL INSTITUTE FOR CANCER RESEARCH

RECOVERY PLAN

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