VBC NEWS

Virus-like transposons wage war on the species barrier

Valneva Announces Publication of its Chikungunya Vaccine Candidate

Vienna Biocenter Leadership program made 2022 such a success!

The Health Science Forum Vienna is a joint initiative of the Institute of Molecular Medicine Austria and the Biocenter Vienna Biomedical Research Center. It has been a resounding success this year, with a record number of attendees and sessions. The forum brought together experts from around the world to discuss the latest developments in the field of health science.

WHAT: Dermatology Drug Development 2023 Hosts Scarletred as Expert Partner

Scarletred has partnered with the Seestadt Apotheke to provide consultation services and a unique product for skin health. They spoke at the EWMA Innovation Forum on the topic of AI-assisted objective measurement of sun damage to skin.

Invited Presentation at EWMA Innovation Forum on the species barrier

For more information, please visit scarletred.at

To commemorate IMBA's 20th anniversary as they celebrate science and innovation, Markus Kiess, IMBA's business director, and other key figures have been speaking at various events across the globe. The anniversary party took place in Vienna, Austria, on May 12, withchampagne, live music, and a special talk about the future of biotechnology.

Barbara Bayer has been awarded a START grant by the Austrian Science Fund FWF. This is one of the most prestigious awards in the country, and it is given to young researchers with outstanding potential and innovative ideas. Bayer will use the funds to further her research into the role of transposons in the evolution of giant viruses.

Assistant Professor of Neurobiology and Developmental Biology, Karl Killinger, will be moving to the Pasteur Institute in Paris to work on an ambitious project. He will be using spatial transcriptomics to study the brain and its development. His work is expected to have a significant impact on our understanding of neurodevelopment.

Plants, like all organisms, have a DNA repair mechanism. However, instead of using the DNA polymerase, plants use a mechanism called the non-homologous end joining (NHEJ) pathway. In NHEJ, the ends of broken DNA strands are repaired without the need for a template. This mechanism is crucial for plants to regenerate damaged tissues and survive in their environment.

Scientists from the GMI have been working on a project to create a new type of plant-based vaccine. They have identified a novel protein that can induce robust anti-tumor responses in vivo models, including B16 melanoma and HepG2 liver cancer. The vaccine is designed to work in combination with checkpoint inhibitors, which are drugs that block the signals that tumors use to avoid detection by the immune system.

CEBINA Announces Positive Results of a Phase 2 Clinical Study

CEBINA, Central European Biotech Incubator and Accelerator, has announced positive results of a Phase 2 clinical study for their novel drug delivery technology. The study, published in the journal Cancer Research, showed that the technology was well tolerated and had a significant impact on tumor growth in mice.

A research cruise lead by Alexander Nordborg of the Leopoldina has been making waves ever since. The cruise, which took place in the Pacific Ocean funded by the Austrian Science Fund FWF, has been conducting research on the evolution of giant viruses. The researchers have discovered new species of viruses that were previously unknown, and their findings are expected to have a significant impact on our understanding of virology.

Vienna Mayor Michael Ludwig, and ÖAW Sina Metzler, Sophie Fessl, and Sylvia Burga's lab at IMBA have been working on a project to develop a new type of tissue engineer that can be used to repair damaged tissues. The team has been building a 3D model of the heart, which they hope will one day be used to repair damaged hearts in humans.

More Faculty of Life Sciences news

More GMI news

Upcoming Research Cruise to the Pacific Ocean

Participants were continued at the workshop this month as part of Base 2 of the Vienna BioCenter Leadership program. They attended an effective communication workshop with Michael E. Kasten, a renowned expert in the field of communication. The workshop focused on helping participants develop their communication skills, which are essential in the field of science.

Access to VBC Sports will be granted after fees of VBC association members. Thus, participation in most sports activities is free; however, fees for outside guests are charged.

The fee for one hour of sports is 5€, and it includes a free drink at the VBC Sports Bar. The fee for half a day is 10€, and it includes a free drink at the VBC Sports Bar. The fee for one day is 15€, and it includes a free drink at the VBC Sports Bar.