

**Press release**

# This Is What the Future of Science Looks Like

## Leiden University Opens the Gorlaeus Building

**On 2 September, Leiden University will open the spectacular new building for the Faculty of Science. The building embodies technological innovation, is environmentally sustainable, and is designed to inspire collaboration in shaping the sciences of the future. His Royal Highness Prince Constantijn of the Netherlands will join our students in officially opening the Gorlaeus Building and the accompanying Einstein Fountain, designed by artist and Professor of Theoretical Astronomy, Vincent Icke. Curious? Register now to attend the opening.**

### **Cutting-Edge Cold Research in Leiden**

You may know Professor Kamerlingh Onnes for his groundbreaking cold research. In Leiden, we continue to conduct research at extremely low temperatures, paving the way for quantum science. Our scientists use cryogenic machines to reach temperatures just above absolute zero. Any movement is undesirable in such experiments, so large concrete blocks in the basement, beneath our high-tech measurement hall, are used to prevent vibrations. Fun fact: despite these precautions, we still detect vibrations caused by the waves of the sea near Katwijk during our experiments.

### **Detecting Diseases at an Early Stage**

And what about our Exposome Scan? This highly advanced robot can measure substances in blood and urine on a large scale, allowing us to detect diseases at an early stage. This means patients can understand the cause of their illness and work with their doctors to find the most suitable treatment.

### **Powerful Electron Microscopes and Skilled Technicians**

Necen is another high-tech facility in the Gorlaeus Building. We use powerful electron microscopes to research the causes of diseases like cardiovascular conditions and cancer. And let's not forget our technical services — our colleagues in the Fine Mechanical Department can create virtually any research setup.

### **Leiden Bio Science Park: A Hub of Innovation**

Our science campus, with the brand-new [Gorlaeus Building](#), is ideally located in the heart of the Leiden Bio Science Park, a vibrant centre for Life Sciences and Health where key partners such as SRON, Airbus, and the NL Space Campus are our neighbours. With this building, the university is making a significant investment in the future of scientific research and education.

Want to see it for yourself? [Register for the grand opening.](#)

The Gorlaeus Building boasts over 100,000 square metres of floor space, 1,242 solar panels, the latest high-tech facilities with advanced research equipment, top-tier laboratories, modern lecture halls, a beautiful library, and lounge areas for students and study associations, which occupy a central place in the building. The Gorlaeus Building is where our students will develop into the generation that shapes the future, and where scientists contribute to solving tomorrow's societal challenges through their research.