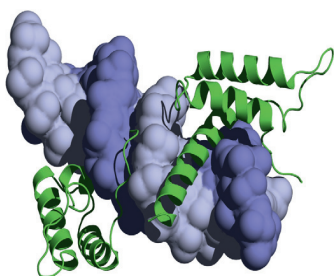
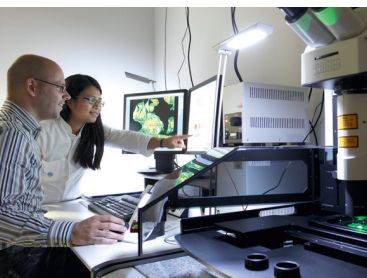


**A CENTRE
OF EXCELLENCE
IN THE LIFE SCIENCES
IN THE HEART OF EUROPE**

ABOUT IMB

The Institute of Molecular Biology gGmbH (IMB) is a new **centre of excellence** for the life sciences. Our researchers investigate key aspects of epigenetics, DNA repair, developmental biology and the interfaces between these fields.

We are supported by the **Boehringer Ingelheim Foundation**, a charity with a long tradition in promoting outstanding research in medicine, biology, chemistry and pharmaceutical science. The foundation has dedicated 100 million euro



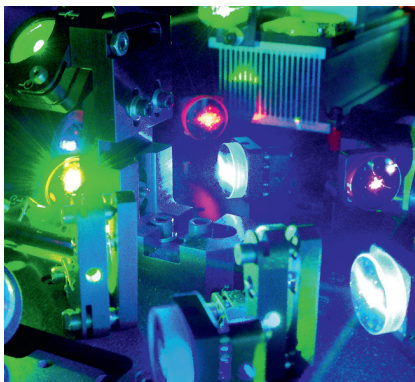
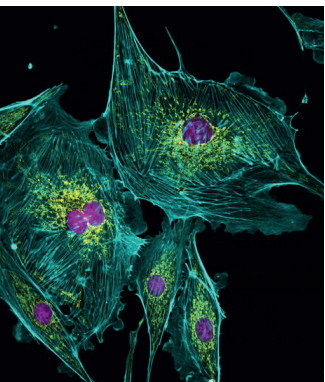
to fund research at IMB over ten years. This generous core funding means our scientists have all it takes to carry out cutting-edge research and undertake **innovative projects** that address important biological questions.

IMB is a non-profit company that operates as an **academic research centre**. As such our groups have full independence and academic freedom to conduct their research and publish their results. To ensure our scientists face a minimal administrative burden and can focus on their projects, we provide strong **management support**. Being a non-profit company also allows us to remunerate our staff with competitive salaries. The working language at IMB is English and we are proud of our **international and dynamic atmosphere**.

RESEARCH AT IMB

IMB's areas of research – epigenetics, DNA repair, developmental biology and the interfaces between them – are producing exciting results. These are transforming our **understanding of how we develop, adapt to our environment, age or develop diseases.**

The field of **epigenetics** in particular is rapidly changing our knowledge of many biological processes. It is becoming increasingly clear that genetic information alone cannot explain how cells differentiate during development, how they can be reprogrammed or why they develop into cancers.



In this context, scientists at IMB are unravelling how genes are regulated, how differential gene expression determines cell identity and function, how epigenetic memory works, and how epigenetic changes contribute to ageing and disease.

DNA repair is a key mechanism that protects cells from damage and keeps us healthy. Defects in the DNA repair machinery cause a number of diseases, including cancer.

Recent studies have uncovered unexpected additional roles for the repair machinery in the epigenetic control of gene expression and during embryonic development. Following up on these exciting findings and elucidating how genome stability is maintained is a major focus of our research.

Scientists at IMB also develop **super-resolution light microscopes** to reveal the functional nanostructure of the nucleus in unprecedented detail. Furthermore, our researchers use bioinformatics and **systems biology** approaches to understand how gene regulation is controlled. Together, these complementary research approaches are providing important insights into how genes are regulated and how animals form, age and develop diseases.

To learn more about our research activities please visit www.imb.de/research.

CORE FACILITIES

Our researchers are supported by strong **Core Facilities** that provide state-of-the-art services in bioinformatics, cytometry, genomics, histology, microscopy and proteomics. These facilities ensure that IMB scientists have access to the **latest equipment and technologies**. This enables them to rapidly expand into new areas and to successfully drive forward innovative, ambitious projects. To learn more about our Core Facilities, visit www.imb.de/core-facilities.

OPPORTUNITIES TO **WORK WITH US**

IMB provides a great working environment and there are many opportunities for outstanding and ambitious scientists from around the world to join us. Keep an eye on www.imb.de/jobs for our latest vacancies.

If you want to carry out your PhD with us, you can apply for our International PhD Programme; more information about this can be found at www.imb.de/PhD. We also have an International Summer School that gives undergraduate, masters and PhD students the opportunity to receive cutting-edge training and undertake scientific projects with our research groups. See www.imb.de/ISS for details.



WHERE WE ARE

The city of Mainz (www.mainz.de) is a charming, open-minded city with a vibrant student community. It dates back 2,000 years to Roman times and still has a historic centre with a magnificent medieval cathedral. It was also in Mainz that Johannes Gutenberg invented modern book printing, one of the key events of the Renaissance. The city is located in the heart of Europe at the confluence of two of the most important rivers in Germany, the Rhine and the Main. Mainz has spectacular parks and esplanades along the Rhine, which are popular for sports and barbecuing.



Mainz is within easy reach of both cosmopolitan Frankfurt, with its famous opera house, avant-garde museums and glass-and-steel banking district, and the Rhine valley region with its many castles, vineyards and nature reserves that offer great outdoor activities. With Frankfurt airport—one of the largest in Europe—only 25 minutes away, countless European and overseas destinations are within easy reach.

RESEARCH ENVIRONMENT

IMB is embedded in a strong and dynamic research environment. It is located on the leafy campus of [Johannes Gutenberg University](#) (JGU), just west of Mainz city centre.



With 10 departments, 150 institutes and around 37,000 students, JGU is Germany's largest campus university. The [University Medical Centre](#), which is located less than a mile from the main campus, has a strong focus on clinical and translational research. JGU and the University Medical Centre have built strong interdisciplinary centres dedicated to cardiovascular medicine, neuroscience, immunology and oncology. IMB works in close collaboration with both of these institutions. Furthermore, IMB has two [Max Planck Institutes](#) and Mainz's [University of Applied Sciences](#) as immediate neighbours.

CONTACT



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To find out more about us, please visit

www.imb.de

