

THE UNIVERSITY ALLIANCE RUHR

As part of the University Alliance Ruhr, Ruhr University Bochum, TU Dortmund University and the University of Duisburg-Essen work closely together in order to enhance their performance, competitiveness and visibility. Our shared vision is: Developing solutions for the future of society.

The University Alliance Ruhr (UA Ruhr) offers researchers many avenues for cooperation and networking, while students benefit from the wide range of Bachelor's and Master's degree programs with numerous specialization options. With more than 100,000 students, several hundred degree courses, almost 14,000 researchers and numerous third-party funded projects, the University Alliance is one of the largest and most powerful science locations in Germany. Based on its successful development since the foundation of the UA Ruhr, the inception of the Research Alliance Ruhr in 2022 has expanded the collaboration and taken it to a new level. To this end, the UA Ruhr is bundling its top international research on pressing future issues in four Research Centers and one College. The aim is to transform the Ruhr region into one of the leading research and innovation hubs in Germany.

THE RUHR AREA

The Ruhr region is a polycentric metropolis in the heart of Europe. With 5,1 million residents it is the 3rd largest metropolitan area in Western Europe. 10 of the 100 largest German companies are located here, the GDP of approximately 170 billion euros is larger than that of the Baltic states (Lithuania, Latvia and Estonia) combined. Five universities, one University of the Arts, 17 higher education institutions and numerous non-university research institutions are best proof of the former coal and steel region's successful transformation into the innovative and unique science region Ruhr.

MANAGEMENT OFFICE: DR. NINA LEMMENS AND DR. HANS STALLMANN

Ruhr University Bochum
Universitätsstraße 150
44801 Bochum

E-Mail: managementoffice@uaruhr.de

NORTH AMERICA: PRIYA S. NAYAR

871 United Nations Plaza New York
NY 10017

Phone: +1 (212) 758-3384

E-Mail: office@uaruhr.de

EASTERN EUROPE/CENTRAL ASIA: ELENA RESCH

Ruhr University Bochum
Universitätsstr. 150 | SSC 1/243
44780 Bochum

Phone: +49 (0)234/32-27374

E-Mail: info.eeca@uaruhr.de

LATIN AMERICA: MARCIO WEICHERT

c/o DWIH São Paulo
Rua Verbo Divino, 1488, térreo (EG)
04719-904 - São Paulo - SP | Brazil

Phone: +55 11 5189-8315

E-Mail: marcio.weichert@uaruhr.de

University Alliance Ruhr: Endless Opportunities in World-Class Research





RESEARCH CENTER ONE HEALTH RUHR

OBJECTIVE:

Taking a holistic approach on the topic of health and its significance for humans and the environment as well as the interconnectedness of all three.

RESEARCH FOCI:

- Aquatic Ecology
- Molecular Oncology
- Cognitive Neuroscience

RESEARCH CENTER CHEMICAL SCIENCES AND SUSTAINABILITY

OBJECTIVE:

Pioneering groundbreaking research on the understanding of chemical reactions, processes and products at a molecular level. The focus is on innovative, eco-friendly and commercially competitive technological applications in various areas of chemistry – from building materials through to pharmaceuticals.

RESEARCH FOCI:

- Monitoring of molecular reactions and collisions including quantum effects
- Product and process development in the chemical industry and machine learning in chemistry
- Chemistry in civil engineering (sustainable building materials) and biomolecular systems

RESEARCH CENTER TRUSTWORTHY DATA SCIENCE AND SECURITY

OBJECTIVE:

Empowering people to understand and use trusted technology.

RESEARCH FOCI:

- Statistical Data Analysis and Machine Learning
- Artificial Intelligence
- Cybersecurity and Privacy
- Psychology and Human-Centeredness of Technology

RESEARCH CENTER FUTURE ENERGY AND MATERIALS

OBJECTIVE:

Finding sustainable materials for the energy applications of the future.

RESEARCH FOCI:

- Fundamental understanding of materials properties and processes
- Design of new high-performance materials starting from the atomic scale
- Integration of the new materials into the development of future energy systems

COLLEGE FOR SOCIAL SCIENCES AND HUMANITIES

OBJECTIVE:

Promoting excellent research in the humanities and social sciences within the University Alliance Ruhr and advancing international cooperation. It provides a forum for interdisciplinary dialogue and facilitates international collaboration among outstanding scholars. The College pursues an open-topic approach with three main cornerstones:

- High-profile research professorships
- Interdisciplinary research groups
- Senior Fellowship Programme

RUHR
UNIVERSITÄT
BOCHUM

RUB

tu technische universität
dortmund

UNIVERSITÄT
DUISBURG
ESSEN

Offen im Denken