Boehringer Ingelheim

Company Introduction
Computational Chemistry Group
Biberach

Boehringer Ingelheim

Boehringer Ingelheim in brief

Boehringer Ingelheim Center
Our headquarters in Ingelheim, Germany

- Family-owned global corporation
- Founded 1885 in Ingelheim, Germany
- Focus on Human Pharmaceuticals, Animal Health and Biopharmaceuticals
- Employees worldwide more than 47,700
- R&D worldwide at five sites
- Expenses for R&D: EUR 2,654 million
- 20 production facilities (Humanpharma) in 11 countries
- Total net sales 2014: EUR 13,317 million
- Affiliated companies: 146 worldwide
- Investment in tangible assets: EUR 548 million

Our Research & Development

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Our Research & Development drive

Employees in R&D

More than 8,100 employees in R&D+Medicine globally

360 new positions in 2014

Overall R&D Investment

EUR 2.654 billion spent in total for R&D in 2014

Independent basic research

Continued commitment to basic research represented by the Research Institute of Molecular Pathology, Vienna, Austria
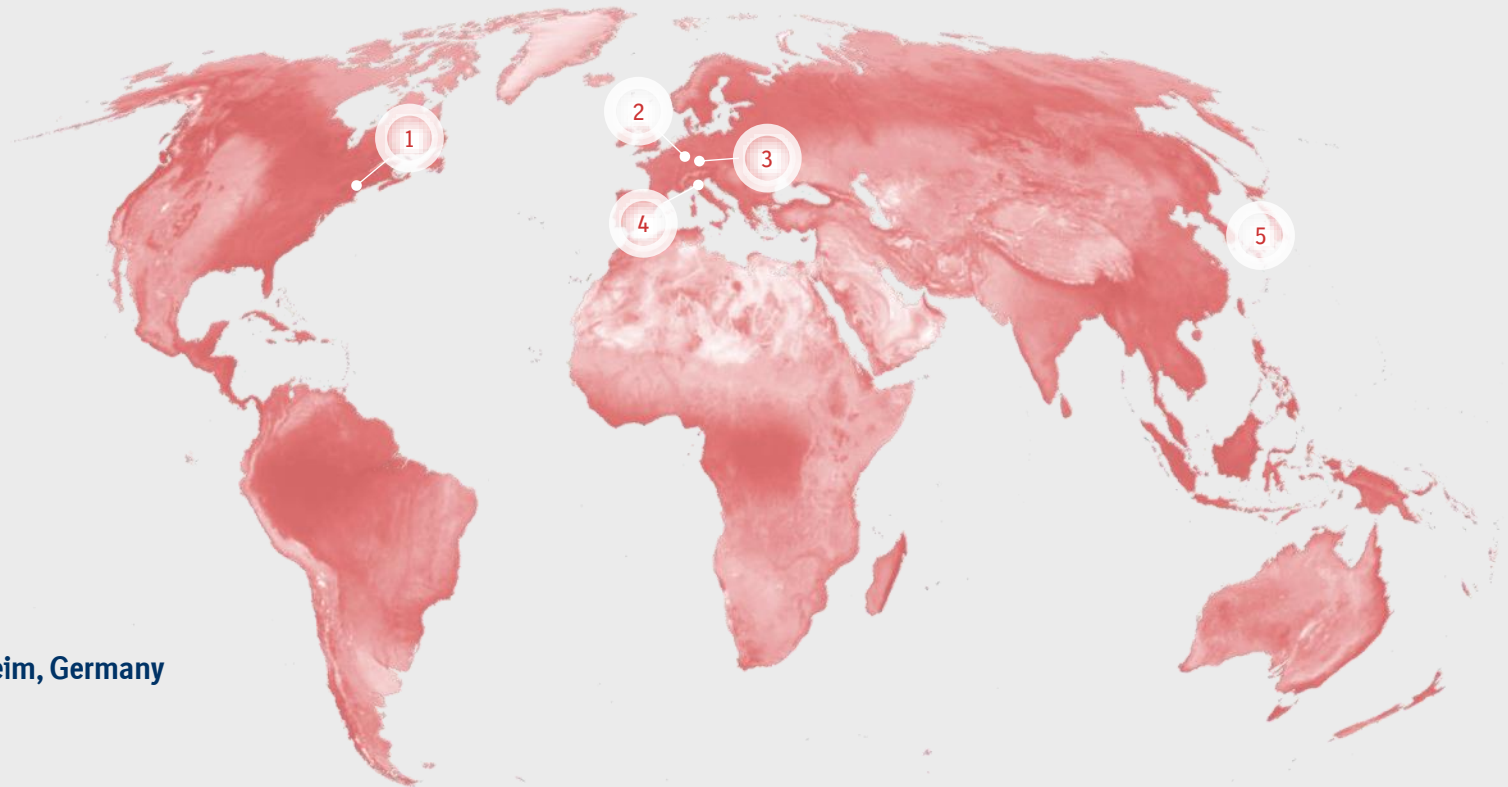
Boehringer Ingelheim Venture Fund

Investments and active role in biotechnology companies

Broadening our access to emerging therapeutic concepts and novel technology platforms

Fund volume: EUR 100 million

Our global research and development sites human pharmaceuticals

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1 **Ridgefield, USA**

2 **Biberach/ Ingelheim, Germany**

3 **Vienna, Austria**

4 **Milan, Italy**

5 **Kobe, Japan**

Computational Chemistry Biberach

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Setup and equipment

- Group is part of an interdisciplinary department that focuses on lead identification and optimization support by
    - High-throughput screening (biochemical and cellular assays)
    - Fragment-based screening
    - Virtual screening
    - Ligand- and structure-based drug design
    - Biochemical and cellular compound profiling
    - Structural Research by Xray, NMR, biophysical methods

- Group members contribute to drug discovery programs

- Expertise in multiple areas of Computer-Aided Drug Design, ranging from cheminformatics and QSAR modeling to docking, molecular dynamics simulations and QM calculations

- Equipped with state-of-the art CompChem software (commercial and open source): KNIME, Openeye, CCG, …

- Access to HPC environment