Boehringer Ingelheim

Company Introduction
Computational Chemistry Group
Biberach
Boehringer Ingelheim in brief

- 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 drive

<table>
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<tr>
<th>Employees in R&amp;D</th>
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<tr>
<td>More than 8,100 employees in R&amp;D+Medicine globally</td>
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<td>360 new positions in 2014</td>
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<th>Overall R&amp;D Investment</th>
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<td>EUR 2.654 billion spent in total for R&amp;D in 2014</td>
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<th>Independent basic research</th>
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<td>Continued commitment to basic research represented by the Research Institute of Molecular Pathology, Vienna, Austria</td>
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<th>Boehringer Ingelheim Venture Fund</th>
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<td>Investments and active role in biotechnology companies</td>
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<td>Broadening our access to emerging therapeutic concepts and novel technology platforms</td>
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<td>Fund volume: EUR 100 million</td>
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Our global research and development sites
human pharmaceuticals

1 Ridgefield, USA
2 Biberach/Ingelheim, Germany
3 Vienna, Austria
4 Milan, Italy
5 Kobe, Japan
Computational Chemistry Biberach
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