Competence Centers for Excellent Technologies

COMET: K1-Centres

RCPE

Research Center Pharmaceutical Engineering GmbH

Main location	Graz, Styria
Other locations	---
Research programme	RCPE is organized in three Areas. The focus of Area I is on Modeling and Simulation, the focus of Area II is the development of drugs and delivery systems, and Area III addresses on process technology and manufacturing science. Additionally 4 cross-linking topical fields across all areas are established.

Planned realisation and outcomes

The aim of RCPE is to bring together multi-disciplinary approaches of process engineering, pharmacy, chemistry, biotechnology, materials science, as well as nanotechnology into a coherent basis for a rational and scientifically based pharmaceutical process and product development. The needs of patient-centered and personalized medicine are addressed specifically. Continuous Manufacturing is the second field of research activities, in combination with modern technology for quality assurance.

History of establishment	In 2006 RCPE was conceived at the Institute for Process and Particle Engineering at Graz University of Technology. In September 2007 the Center was approved as COMET K1-Competence Center. Together with the global players in the pharmaceutical industry, the K1 Competence Center of Graz University of Technology (65%), Joanneum Research (15%) and University of Graz (20%) RCPE GmbH conducts research in the field of pharmaceutical process and product development, since 1st of July 2008. Currently, the Center has a network of more than 100 partners and recently achieved a turnover of 8.1 Mio Euro (2012/2013).

Selected company partners (max. 10)

1. Baxter AG
2. Boehringer Ingelheim
3. Chiesi Farmaceutici
4. G.L. Pharma GmbH
5. Glatt GmbH
6. Merck KGaA & Co. Spittal
7. MG2 S.r.l.
8. Siemens Aktiengesellschaft Österreich
9. VTU Engineering GmbH
10. ZETA Holding GmbH

Selected scientific partners (max. 5)

1. Graz University of Technology (TU Graz)
2. Heinrich Heine University Duesseldorf (HHU)
3. Joanneum Research Forschungsgesellschaft mbH (JR)
4. Karl-Franzens-University Graz (KFU)
5. Medical University Graz (MUG)

Selected international partners [1](max. 5)

1. Bayer Pharma AG
2. GlaxoSmithKline
3. L.B. Bohle Maschinen + Verfahren GmbH
4. Novartis Pharma AG
5. UCB Pharma Ltd

Duration of the K1-Centre	COMET K1 1st Call: 07/2008-06/2015 (7 years) COMET K1 3rd Call: 07/2015-06/2019 (4 years, 1st funding period)
Staff employed at the Centre	88 FTE (thereof 55 scientists)
Total costs	COMET K1 1st Call: EUR 30.46 Mio (7 years) COMET K1 3rd Call: EUR 20.82 Mio (4 years, 1st funding period)

[1] Partners with headquarters outside Austria

Management of the Centre	Prof. Dr. Johannes Khinast, RCPE GmbH, Scientific Director Dr. Thomas Klein, RCPE GmbH, Business Director
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