COMET: K-Project

CC FLOW
Center for Continuous Flow Synthesis and Processing

Main location | Graz, Styria
Other locations | -
Research programme | Chemistry, Chemical Engineering, Pharmaceuticals

Planned realisation and outcomes
The objective CC FLOW is to advance and strengthen knowledge in continuous processing and flow chemistry within Austria. Integrating these areas of expertise within the structure of CC FLOW will enable the development of novel and innovative methods for the continuous production of Active Pharmaceutical Ingredients (APIs) and, at the same time, to develop a deep fundamental scientific understanding of all the key parameters along the process chain.

History of establishment
Previous CDG, FFG, FWF and EU-projects in the field of flow chemistry in addition to multiple bilateral industrial collaborations, covering a ten year period.

Selected company partners (max. 10)
1. Anton Paar GmbH
2. E.L.T. Kunststofftechnik & Werkzeugbau GmbH
3. Lithoz GmbH
4. Microinnova Engineering GmbH
5. Patheon Fine Chemicals Austria GmbH & Co KG
6. Phyllon GmbH
7. Prozess Optimal CAP GmbH

Selected scientific partners (max. 5)
1. University of Graz (Institute of Chemistry)
2. Graz University of Technology (Institute of Process and Particle Engineering and Institute of Analytical Chemistry and Food Chemistry)

Selected international partners 1 (max. 5)
1. AstraZeneca UK Ltd (Macclesfield, UK)
2. Chemtrix BV (Geleen, Netherlands)
3. Eli Lilly and Company (Alcobendas, Spain)
4. Lonza AG (Visp, Switzerland)
5. ThalesNano (Budapest, Hungary)

Start of the K-Project | 01.07.2017 (4 years)
Number of personnel | 13.5 (FTE) are involved (11.5 FTE are scientists)
Total costs | EUR 4.667.662,-
Leader of consortium: | Research Center Pharmaceutical Engineering GmbH, Dr. Thomas Klein (CEO)
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1 Partners with headquarters outside Austria

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