

**SynPro<sup>XL</sup>**

## Synthesis – Scale-Up – Process – Improvement

In the new INNOVENT synthesis laboratory, the scale-up of chemical syntheses and the optimization of individual process steps can now take place in industrial production conditions. With these new possibilities, INNOVENT is hoping for a faster and more efficient implementation of R&D results for new functional materials and specialty chemicals, as well as active pharmaceutical ingredients in industrial practice.

### We offer you

In addition to the scale-up of relevant synthetic processes, INNOVENT offers interested institutions a wide range of opportunities for cooperation. We are happy to be a project partner in publicly funded project consortia and to support you with our specific know-how in the upscaling of chemical syntheses. We provide services in the form of subcontracting for process optimization and product synthesis.

**Monomers · PrePolymers · Active ingredients · ProDrugs  
Polymers · Varnishes · Adhesives · Additives · Dyes  
(Bio) materials · Biopolymer derivatives · Hybrid  
polymers**



### Our equipment

- Kilogram-scale syntheses
- Stainless steel and glass reactors, agitators and filtration technology
- Shielding gas (N<sub>2</sub>, Ar) and vacuum technology
- Autoclaves for pressure reactions up to 200 bar
- Large rotary evaporator and large freeze dryer
- Preparative flash chromatography and HPLC
- Real-time data acquisition



### We transform your chemical laboratory synthesis to a (multi-) kilogram scale

INNOVENT has highly qualified and motivated staff of synthetic chemists and technicians

We can raise your laboratory synthesis to an industrial scale and carry out process optimization or custom synthesis for you.

#### Contact

Dr. Matthias Schnabelrauch

Dr. Ralf Wyrwa

[www.innovent-jena.de](http://www.innovent-jena.de)

[ms@innovent-jena.de](mailto:ms@innovent-jena.de)

[rw1@innovent-jena.de](mailto:rw1@innovent-jena.de)

Phone +49 3641 2825-12

Phone +49 3641 2825-12



Mitglied der  
ZUSE-GEMEINSCHAFT