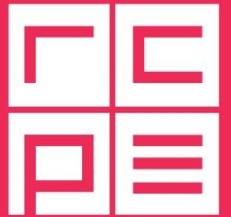


# Austrian national programs

Amrit Paudel

Graz University of Technology/RCPE



 Bundesministerium  
Digitalisierung und  
Wirtschaftsstandort

 **COMET**  
Competence Centers for  
Excellent Technologies

 Bundesministerium  
Verkehr, Innovation  
und Technologie

 **FFG**  
Forschungsförderung

 **Das Land  
Steiermark**

 **SFG**  
Steirische Wirtschaftsförderung

K1 Competence Center - Initiated by the Federal Ministry for Transport, Innovation & Technology (BMVIT) and the Federal Ministry of Digital and Economic Affairs (BMDW).  
Funded by FFG, Land Steiermark and Steirische Wirtschaftsförderung (SFG).

 **TU  
Graz**  
Graz University of Technology



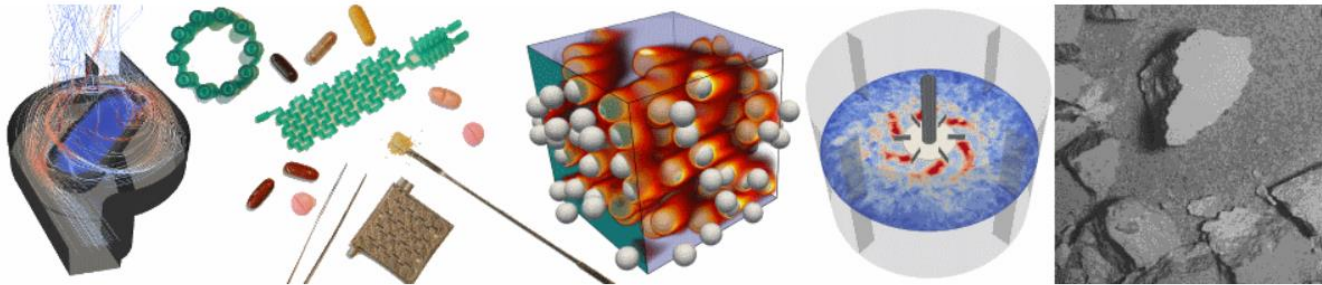
**JOANNEUM  
RESEARCH** 

# IPPE-Graz University of Technology

Institute of Process and Particle Engineering



Institute ▾ Teaching ▾ Research ▾ IPPT Publications & Events Downloads & Software Jobs



Institute of Process and Particle Engineering

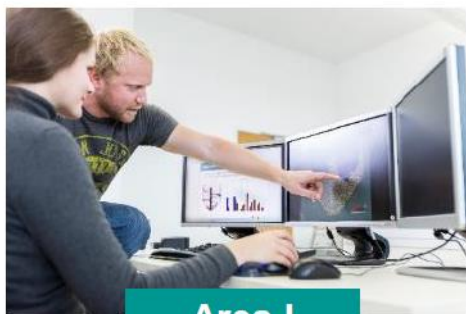
Top News



## ■ Research areas:

- **Pharmaceutical Engineering and Particle Technology**
- **Pharmaceutical Materials Engineering and Design**
- **Patient centric drug product design and delivery**
- Continuous Processes
- Simulation Science
- Mechanical Process Engineering, Heterogeneous Reactions, Surface Phenomena

# Research Center Pharmaceutical Engineering (RCPE)



Area I

## Modelling & Prediction

- Process simulation
- Modeling of granular and multi-phase flows
- Software development
- Electronic, atomistic and molecular simulations
- Advanced material modeling



Area II

## Advanced Products & Delivery

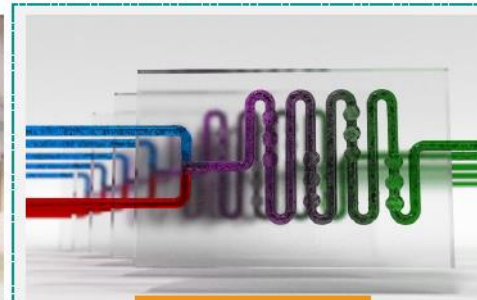
- Advanced dosage forms (oral & inhaled)
- Nano technology and particle engineering
- Physicochemical profiling
- Novel drug delivery systems & female health
- Personalised medicine
- Biopharmaceutics



Area III

## Process & Manufacturing Science

- Process development and scale up
- Process control
- Process analytical technology (PAT)
- Continuous Processing
- Design Space & CPPs Qualification



CC FLOW

## Continuous Flow Synthesis & Processing

- Novel Flow Chemistry
- Designer Reagents for Flow
- Reaction and Process Engineering
- PAT & Process Simulation
- Process Integration
- API Synthesis in Flow

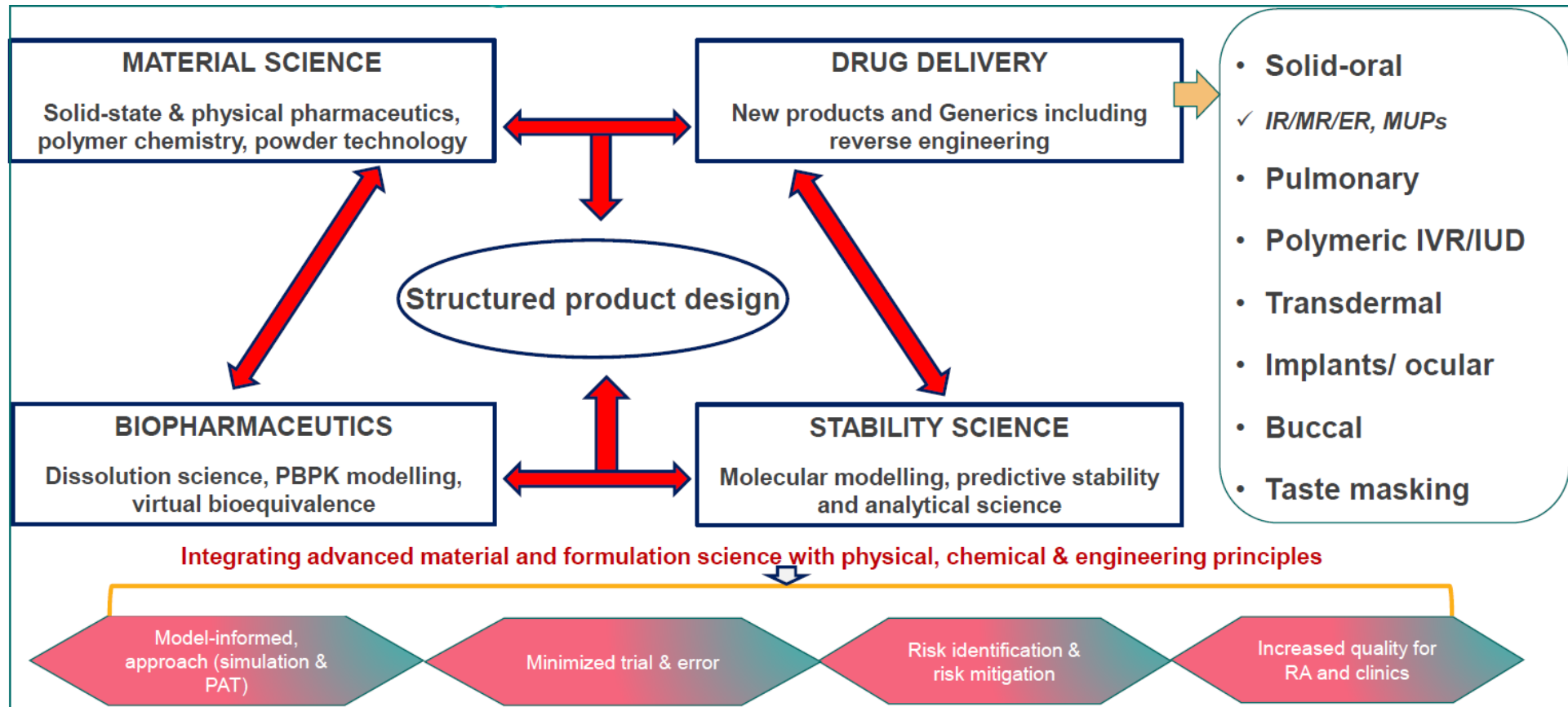
- XPS (coating, FB, blending)
- OCT analysis
- Cloud computing

- Reverse engineering
- Solid dosage forms
- Lab infrastructure/analytics

- Consigma testing
- Extrusion/Spray drying, printing
- Pilot plant / testing



# Formulation and drug delivery group (area II)



- Small molecule drugs
- Biologics (protein/peptides, mAb)
- Hormones
- Opioids
- Women's Health
- LMIC
- Patient centric delivery

# FWF – (basic) science focus

## ▪ **Joint Projects**

Program goal	funding of closely integrated, bilateral research projects
Application	differing deadlines depending on the country; in most cases parallel applications are necessary at FWF and at the respective partner agency
Duration	max. 3 or max. 4 years, depending on country
Link	<a href="#">Joint Projects</a>

## ▪ **Joint Seminars**

Program goal	thematically well defined seminars aimed at facilitating the initiation of bilateral research co-operations and the preparation of applications for Joint Projects
Application	differing deadlines depending on the country; parallel applications must be submitted to FWF and the respective partner agency
Duration	approx. 2 - 3 days
Link	<a href="#">Joint Seminars</a>

## ▪ **ERA-Net Calls**

Program goal	funding of European research co-operations on specific themes with partners from several countries. Projects are usually financed by the respective national funding agency.
Application	usually at the co-ordination office of the respective ERA-Net, submitted by the project co-ordinator
Duration	differs, in most cases up to 3 years
Link	<a href="#">general information</a> <a href="#">ERA-Net Calls</a>

## ▪ **GROW – Graduate Research Opportunities Worldwide**

Programme aim	research stays of US doctoral candidates in Austria
Application	for doctoral candidates: at NSF; for Austrian hosts: at FWF
Duration	10 - 12 months
Link	<a href="#">GROW</a>

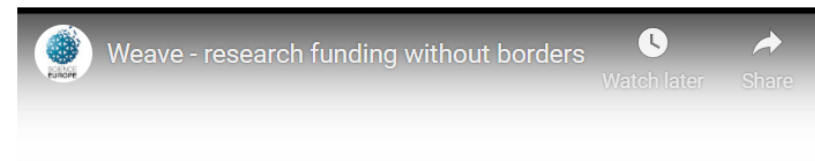
# Weave: Research Grant


[Home](#)
[About](#)
[FAQ](#)
[News](#)
[Find Your Funding](#)
[Member Area](#)


## About Us

Weave is a bottom-up cross-European initiative developed by European research funders to support excellent collaborative research projects across borders. It brings together 12 national and regional research funders, with the possibility to enlarge the network to include other funders in the future.

It aims to simplify the submission and selection procedures of collaborative research proposals involving researchers from up to three European countries or regions, through a single evaluation procedure.



# FFG – Applied science focus

- **FFG national calls** (Production of Future, IKT of Future, Bridge, etc.) international collaboration possible (max 20% of budget + major contribution to project goals/success)
- **FFG Transnational** (individual negotiations e.g. currently Austria-Guangdong/China Research Cooperation Programme)
- **FFG International** (Mainly participation via EU programmes, sometimes national decision-making body (application of national provisions, focus target groups) e.g. ERA-Net programmes)



# OeAD researcher exchange program & international cooperation

## ■ Scholarship programmes

[www.grants.at](http://www.grants.at) –

Austrian Database for Scholarships & Research Grants

## ■ International cooperation

The following funding options are available for international project coop

- Africa-Uninet (Africa)
- APPEAR (priority regions of the Austrian development cooperation)
- ASEA-UNINET (South-East Asia)
- Bilaterale "Aktionen" (Slovakia, Czech Republic, Hungary)
- CEEPUS (Central-, Middle-, and Easteuropa)
- Cooperation Development Research (Countries of the global South)
- EPU – Eurasia-Pacific Uninet (East, Central and South Asia)
- HERAS Scholarship Programme (Kosovo)
- Project Funding Taiwan-Austria
- Scientific and Technological Cooperation (S&T Cooperation)

Country of origin:

Target country:

Type of grant:

<input type="checkbox"/> Grants for whole degree programmes in the target country	<input type="checkbox"/> Subsidies, allowances
<input type="checkbox"/> Semester and/or one-year grants	<input type="checkbox"/> Awards, prizes
<input type="checkbox"/> Grants for summer courses	<input type="checkbox"/> Research grants
<input type="checkbox"/> Practical trainings	<input type="checkbox"/> Research allowances

Target group:

<input type="checkbox"/> Undergraduates	<input type="checkbox"/> PhD holders, post docs
<input type="checkbox"/> Graduates	<input type="checkbox"/> Researchers
<input type="checkbox"/> Postgraduates	<input type="checkbox"/> Scientific institutions / companies
<input type="checkbox"/> PhD students	

Specific grants for women: ☐

Area:

- ...107 Other and Interdisciplinary Natural Sciences
- 2 Technical Sciences
- ...201 Construction Engineering (incl. Architecture, Transportation)
- ...202 Electrical Engineering, Electronics, Information Engineering
- ...203 Mechanical Engineering
- ...204 Chemical Process Engineering**
- ...205 Materials Engineering



# HORIZON EUROPE

## HORIZON-HLTH-2021-IND-07-01: Green pharmaceuticals

Specific conditions	
<i>Expected EU contribution per project</i>	The EU estimates that an EU contribution of around EUR 8.00 million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
<i>Indicative budget</i>	The total indicative budget for the topic is EUR 40.00 million.
<i>Type of Action</i>	Research and Innovation Actions

Opening: 22 Apr 2021

Deadline(s): 21 Sep 2021

## HORIZON-HLTH-2021-DISEASE-04-02: Building a European innovation platform for the repurposing of medicinal products<sup>82</sup>

Specific conditions	
<i>Expected EU contribution per project</i>	The EU estimates that an EU contribution of around EUR 25.00 million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
<i>Indicative budget</i>	The total indicative budget for the topic is EUR 50.00 million.
<i>Type of Action</i>	Research and Innovation Actions

# Contact

- Amrit Paudel ([amrit.paudel@rcpe.at](mailto:amrit.paudel@rcpe.at), [amrit.paudel@tugraz.at](mailto:amrit.paudel@tugraz.at))
- Johannes Khinast ([Khinast@tugraz.at](mailto:Khinast@tugraz.at))
- Noreen Gruener ([noreen.gruenauer@rcpe.at](mailto:noreen.gruenauer@rcpe.at))