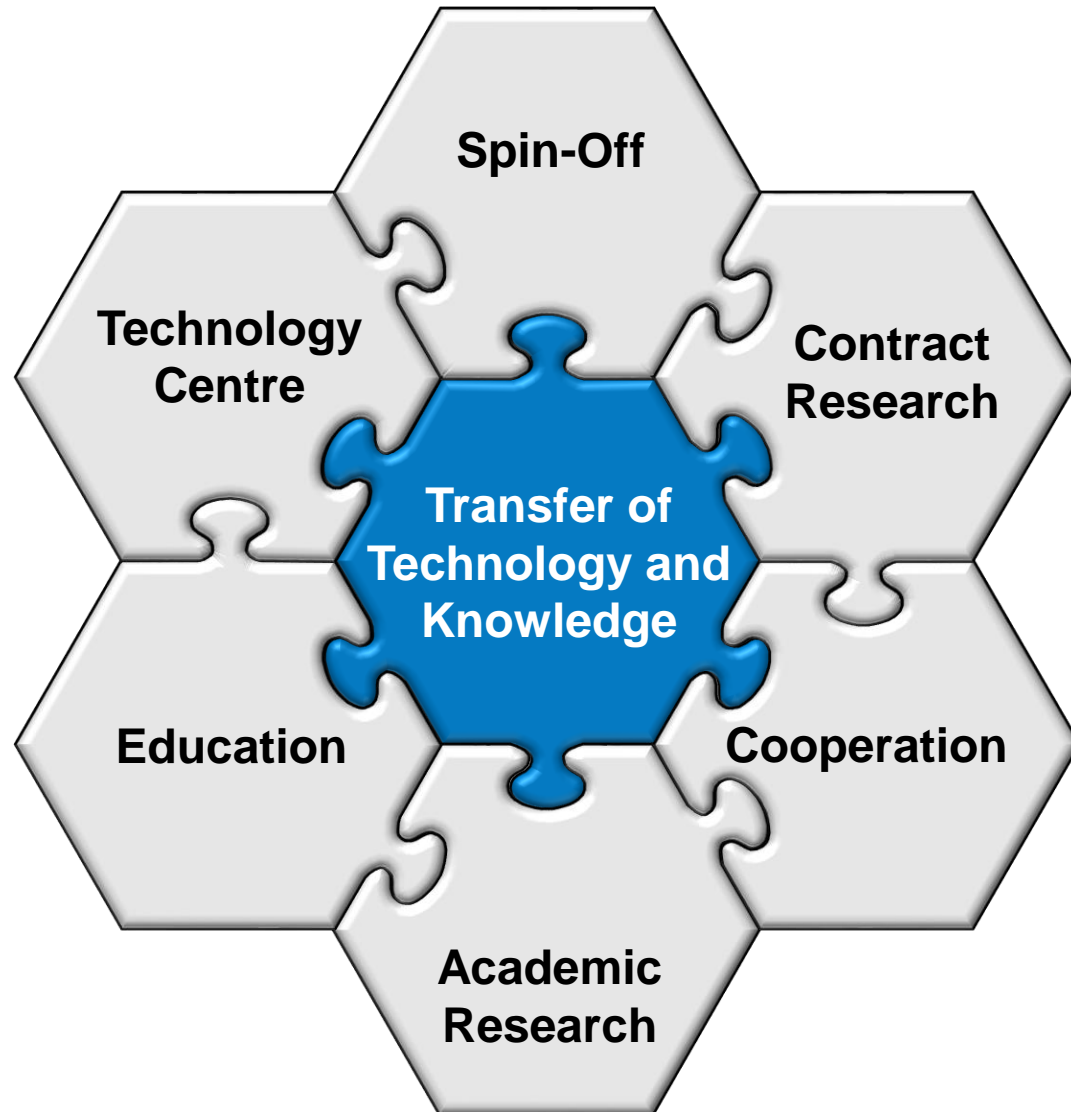


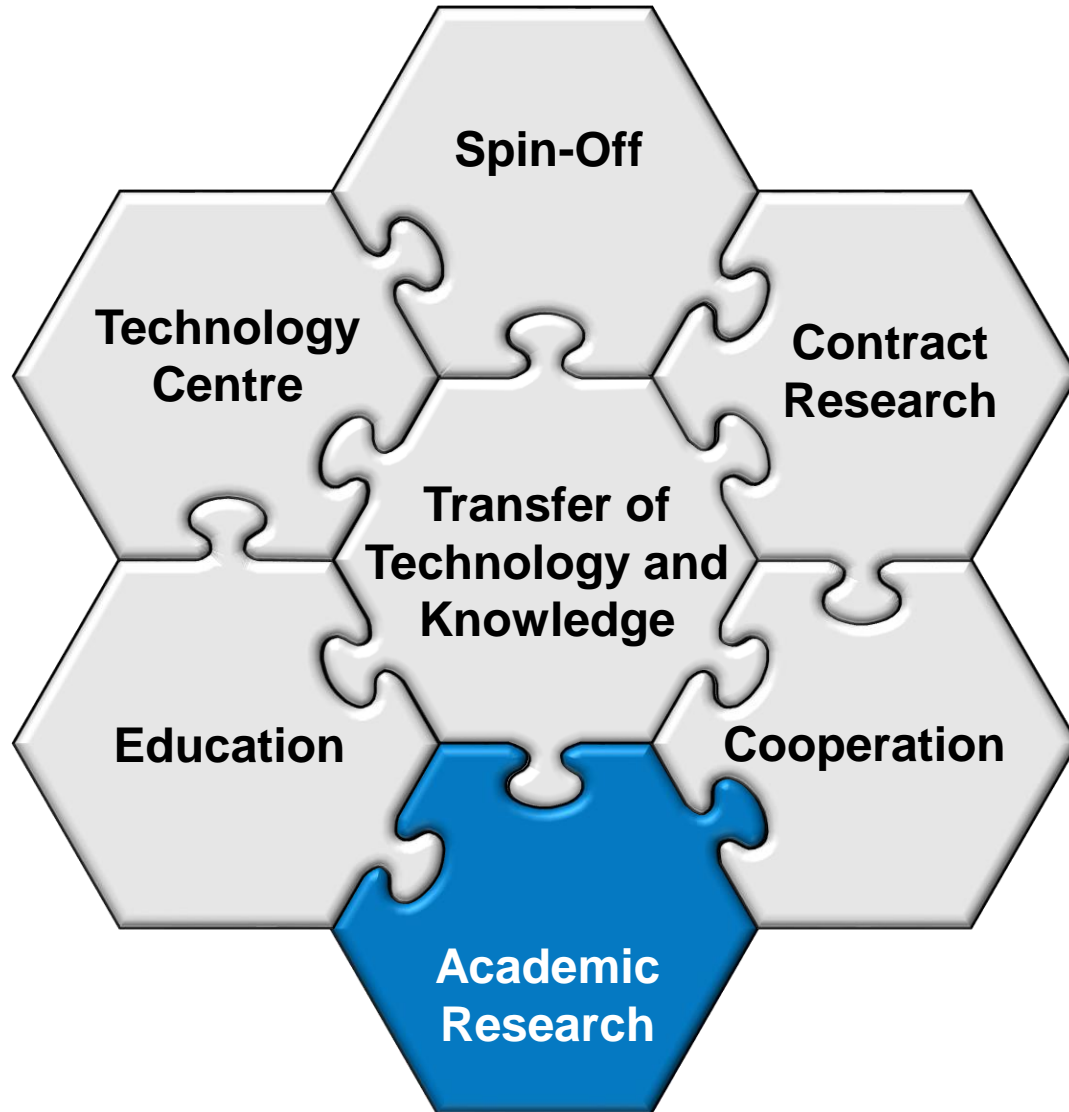
Institute for Nanophotonics Göttingen

Intermediary between Research and Industry





Transfer of Technology and Knowledge



Göttingen
Campus



GEORG-AUGUST-UNIVERSITÄT
GÖTTINGEN

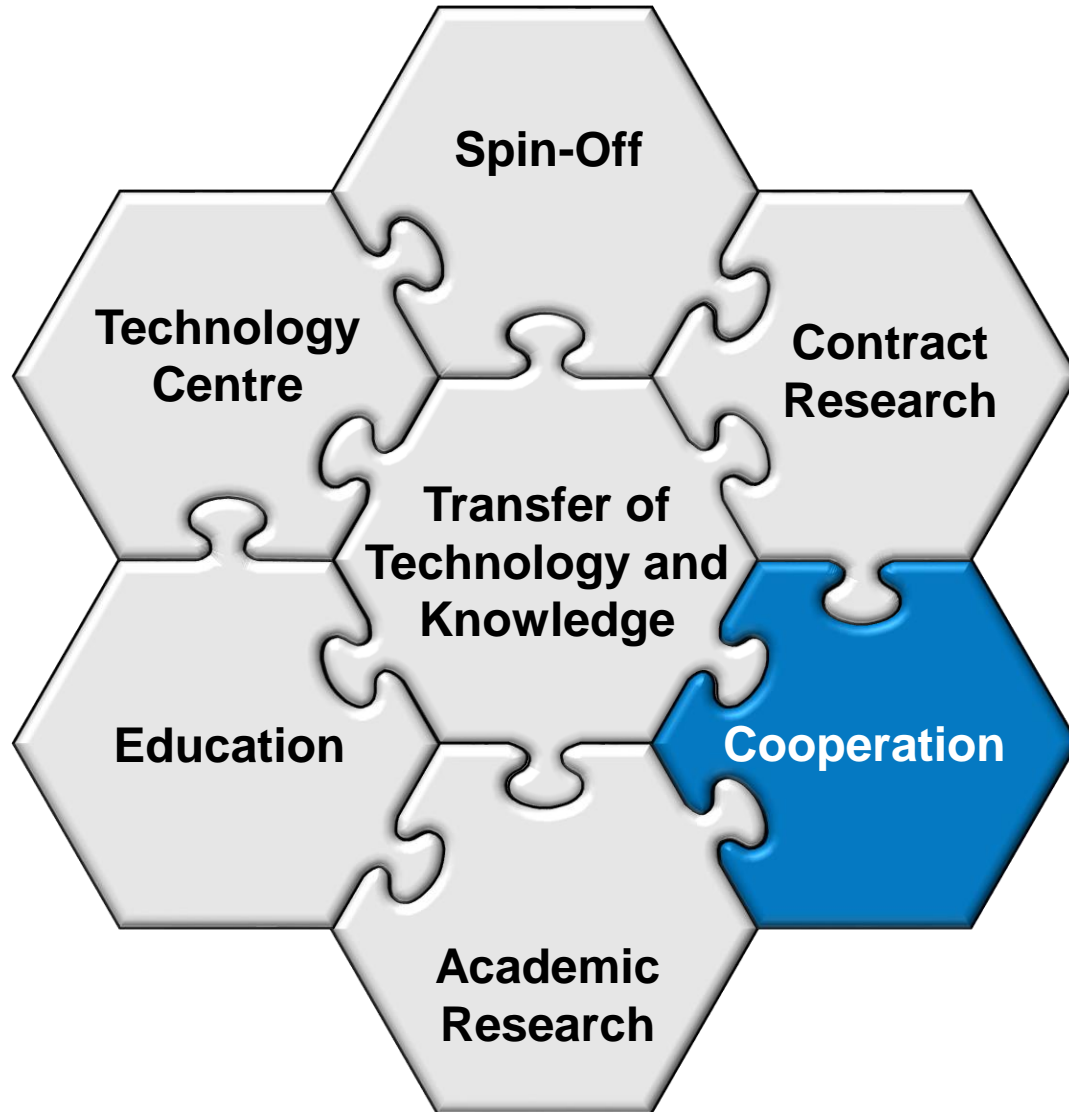
UNIVERSITÄTSMEDIZIN : UMG
GÖTTINGEN

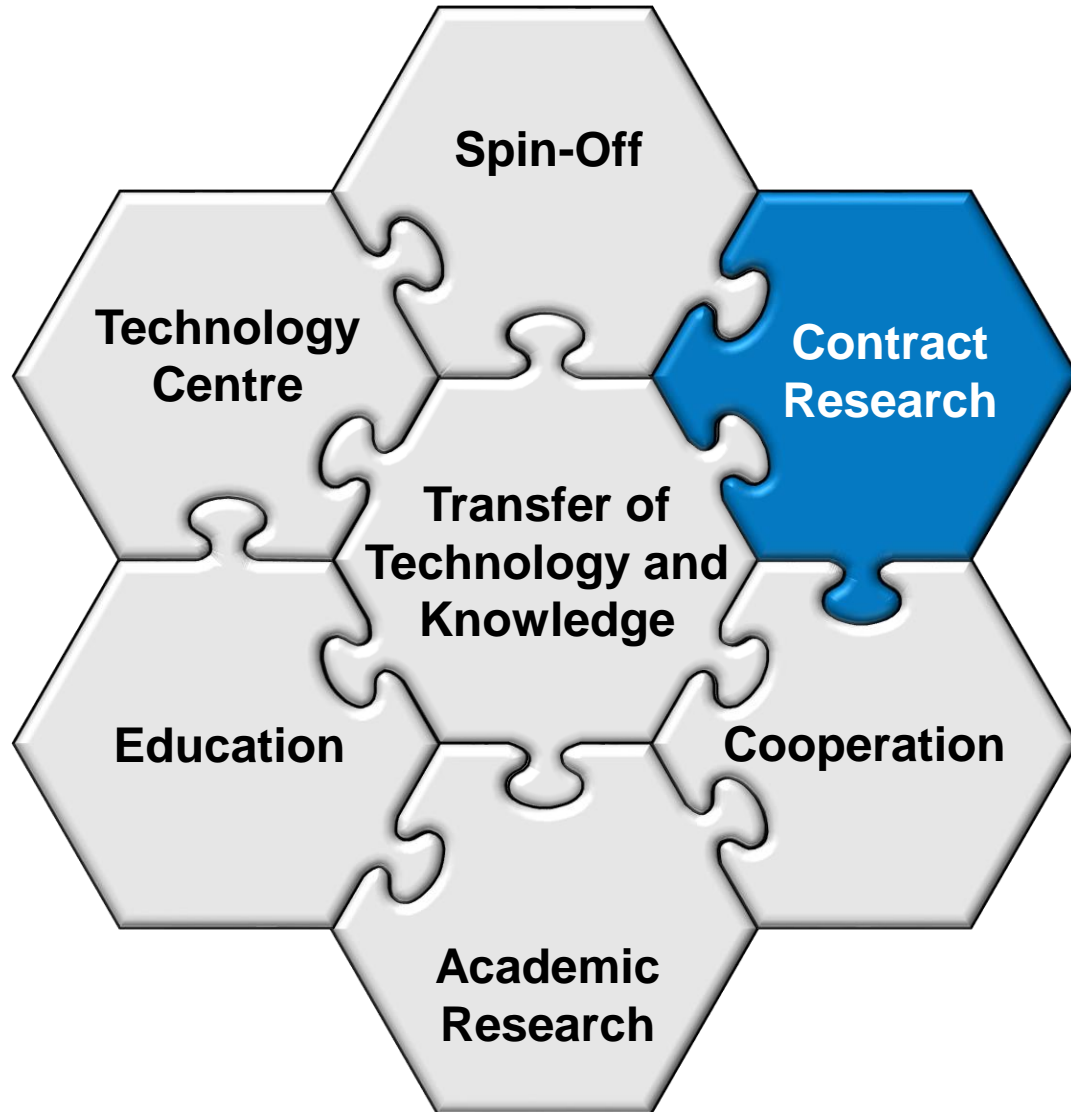
HAWK HAWK HOCHSCHULE
FÜR ANGEWANDTE
WISSENSCHAFT UND KUNST



U N I K A S S E L
V E R S I T Ä T

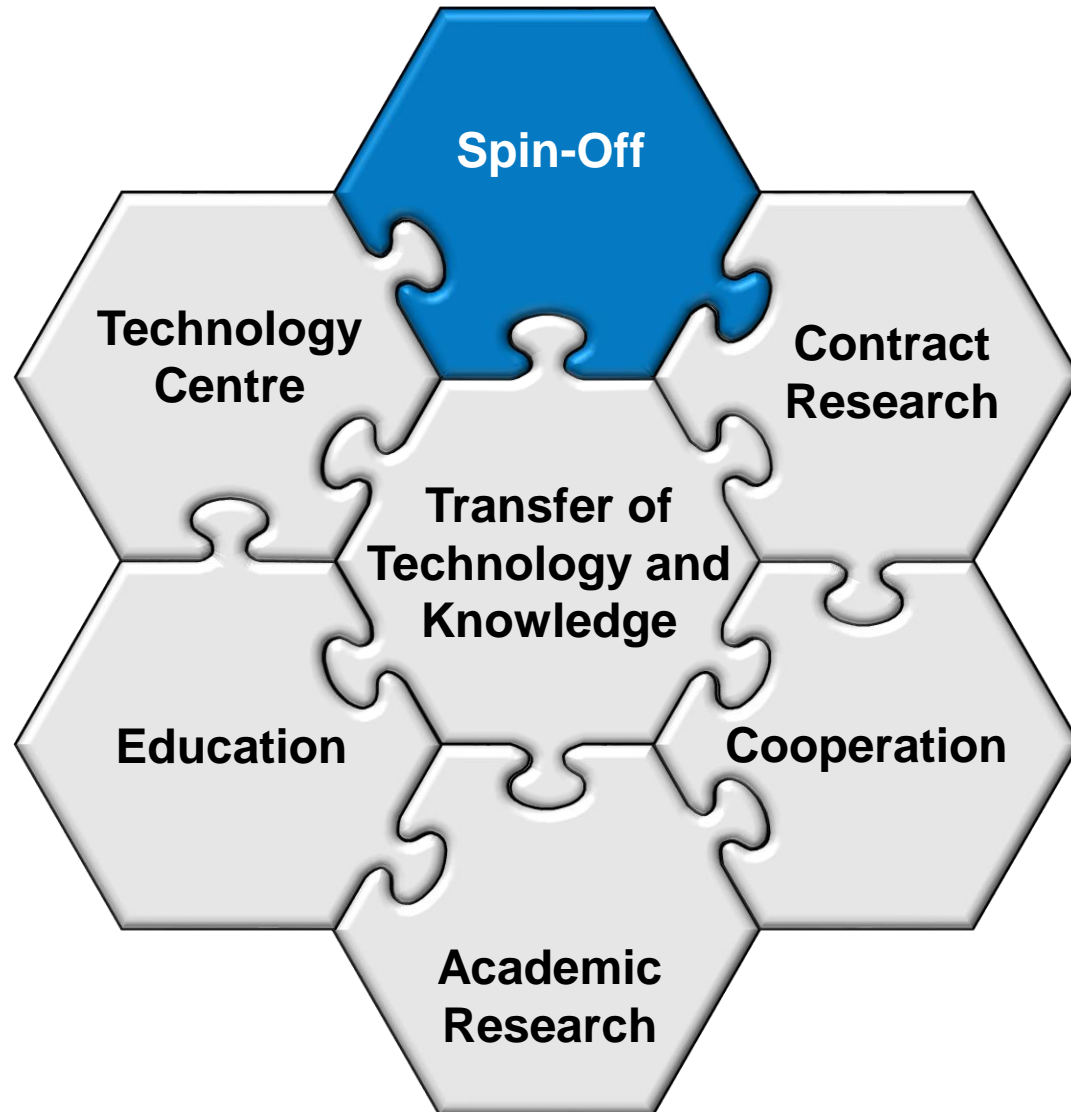


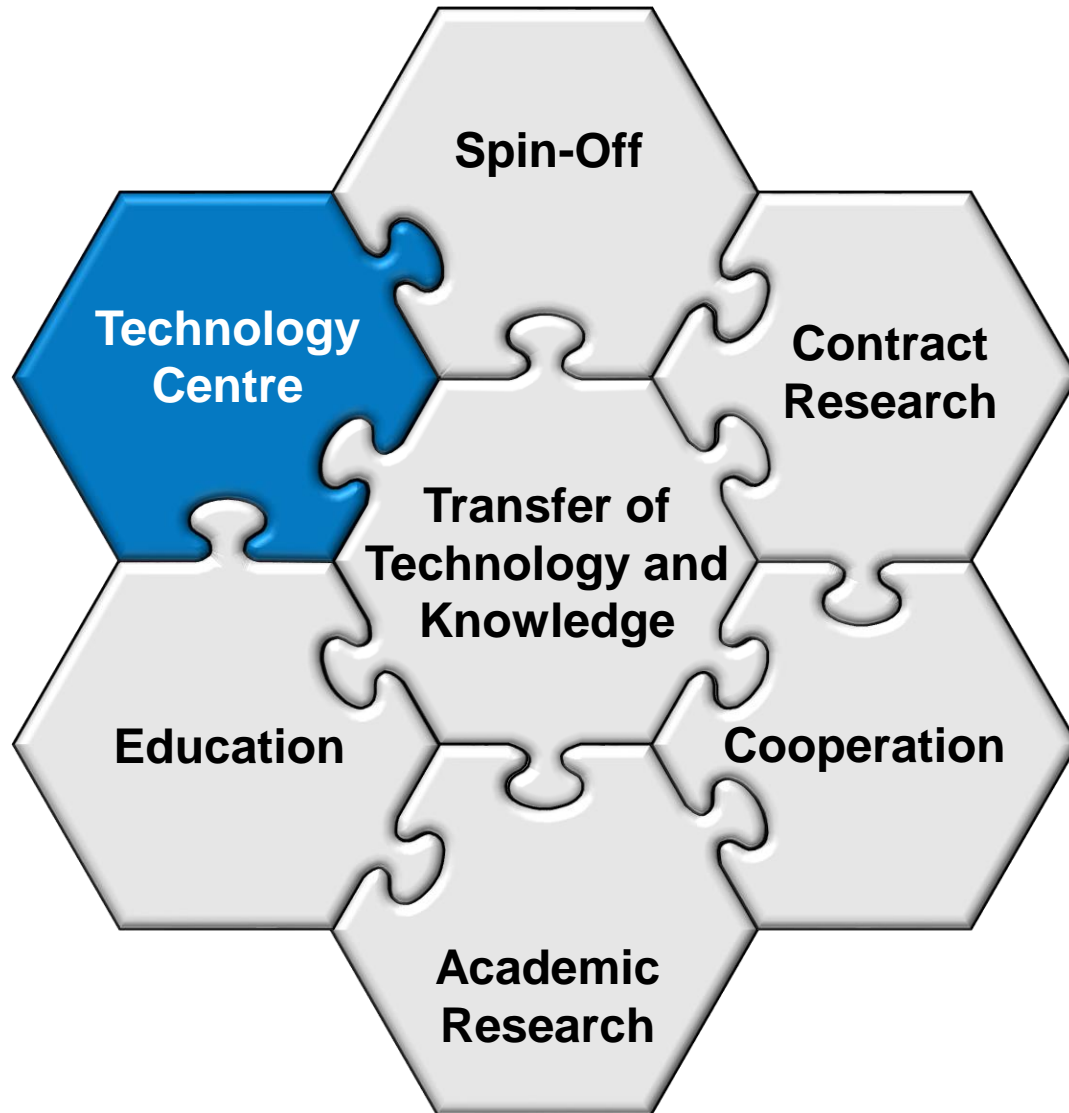




Volkswagen

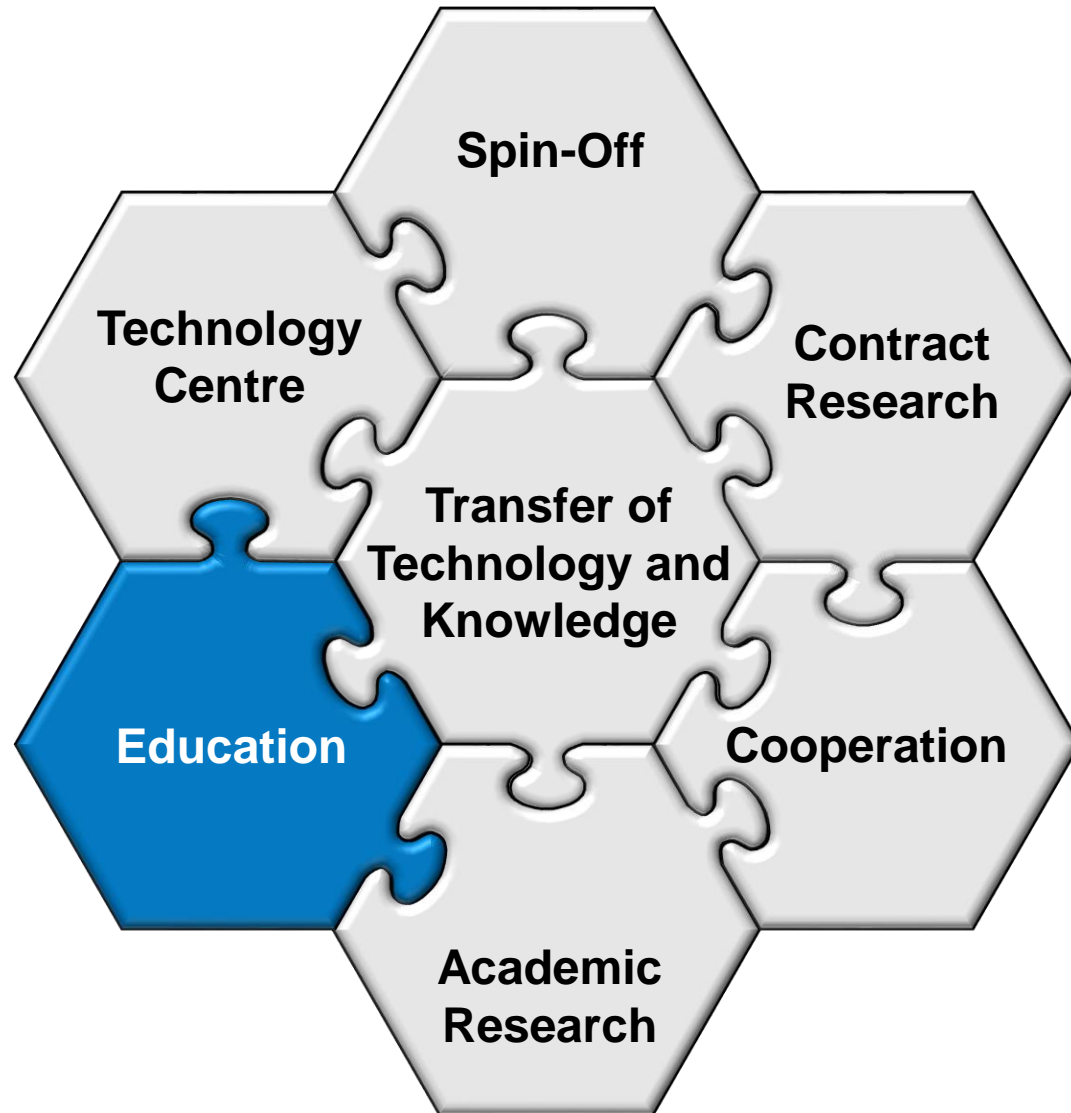






WACHSTUMS-
CHAMPION 2019

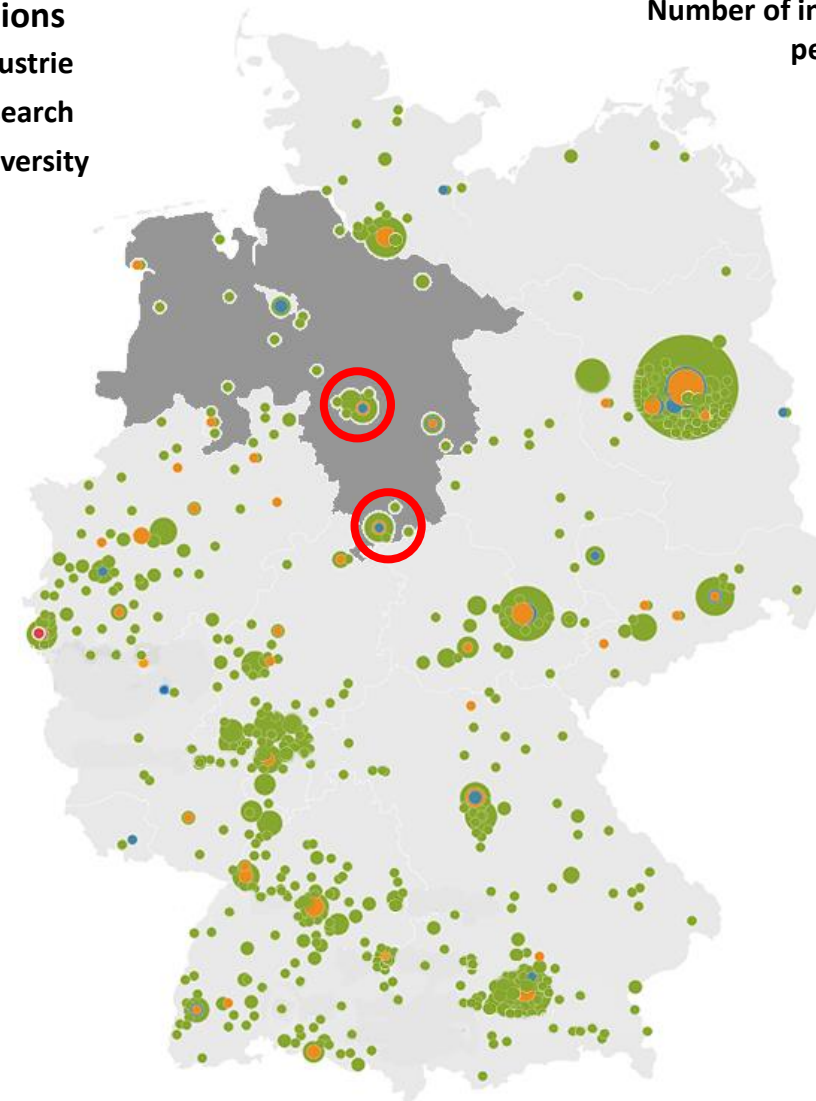
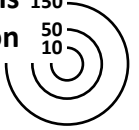




Locations

- Industrie
- Research
- University

Number of institutions
per location





Sustainability,

**Climate Change Mitigation
and Energy**



Mobility



Security



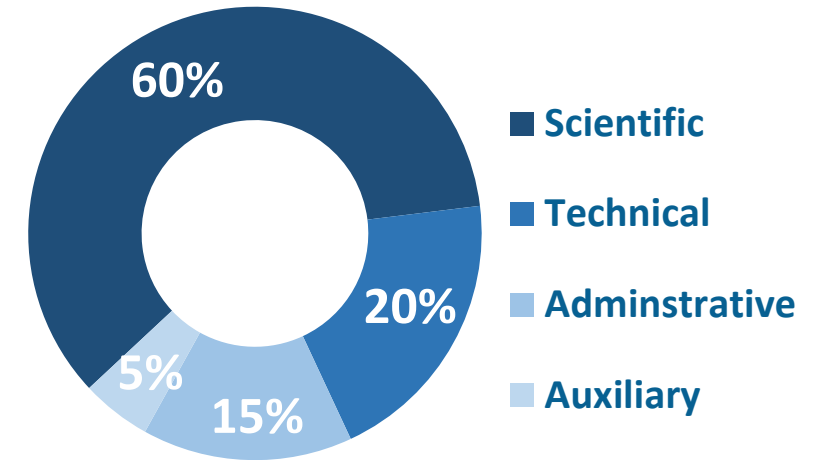
Health

Betriebshaushalt | Operating Budget (Mio. €)

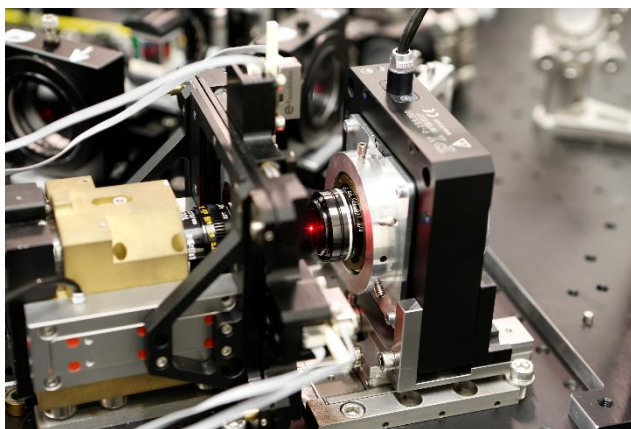
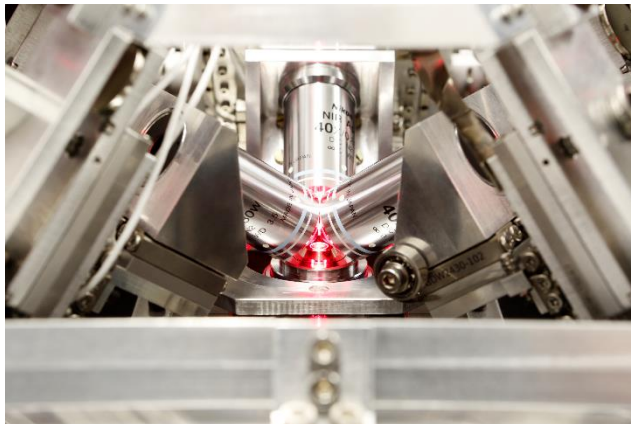


- Industrieerinnahmen | Industry
- Öffentliche und sonstige Einnahmen | Public and other income
- Grundfinanzierung | Basic funding

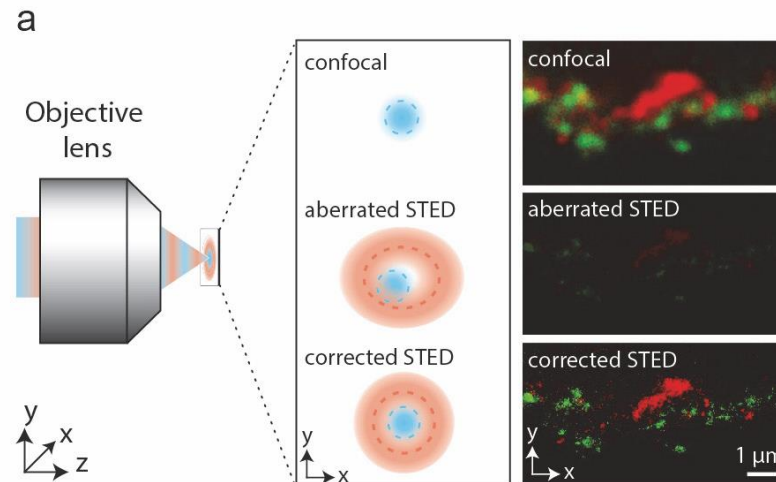
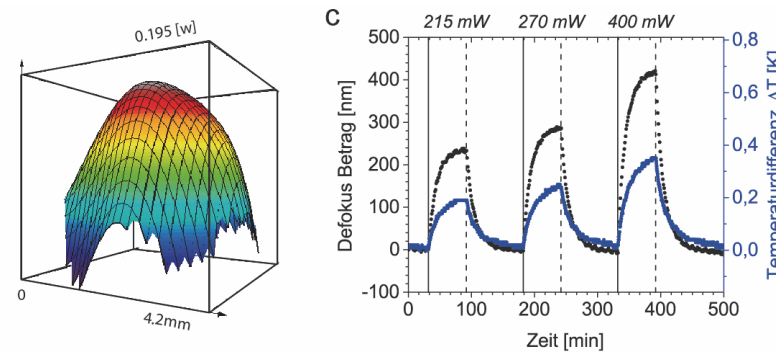
Employees: 55



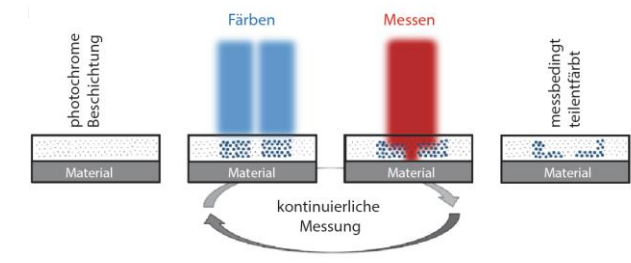
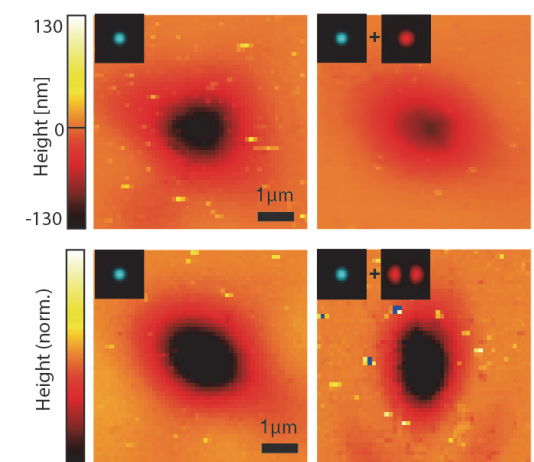
New Imaging Techniques



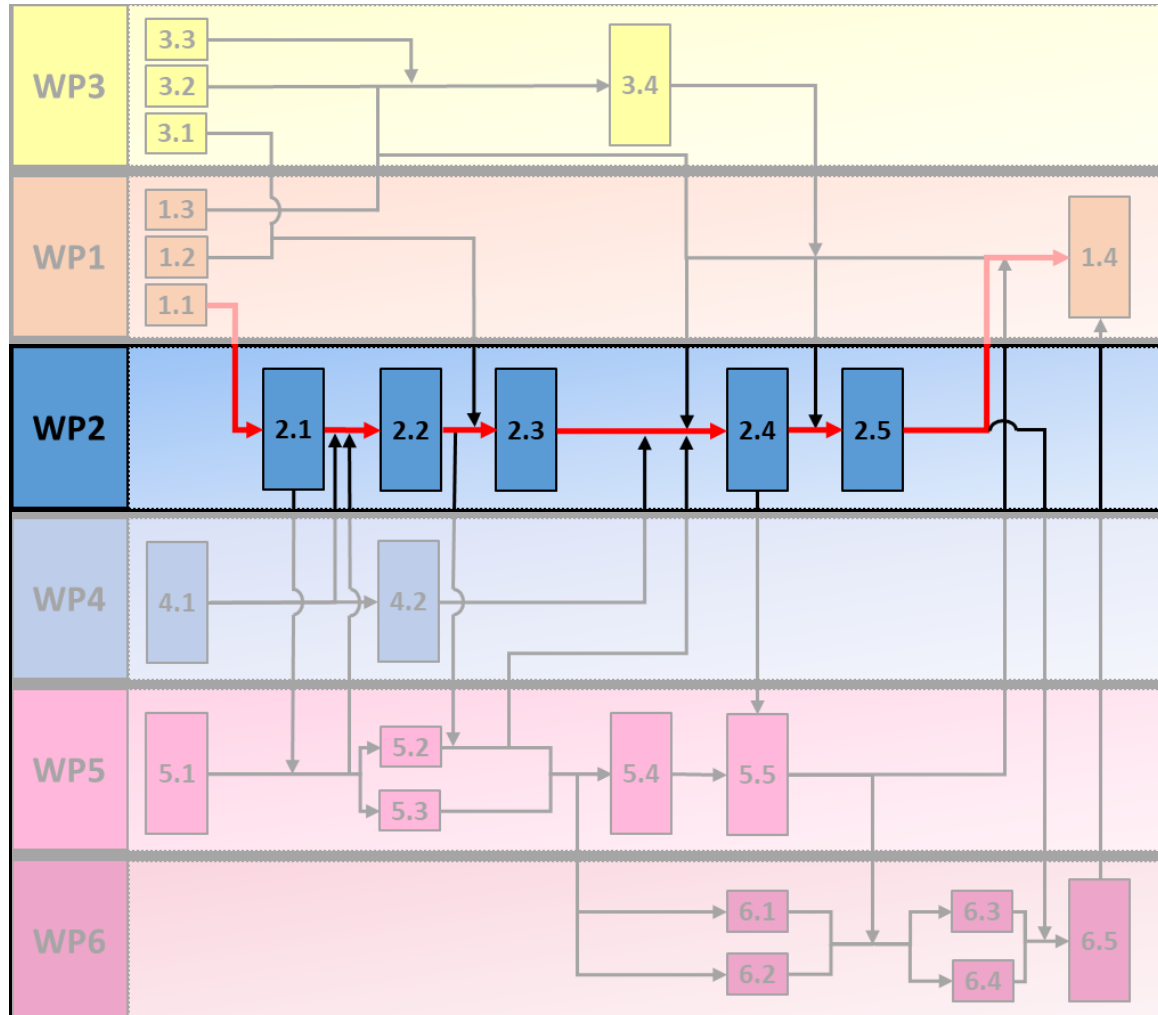
Adaptation and Application



Structuring and Analysis

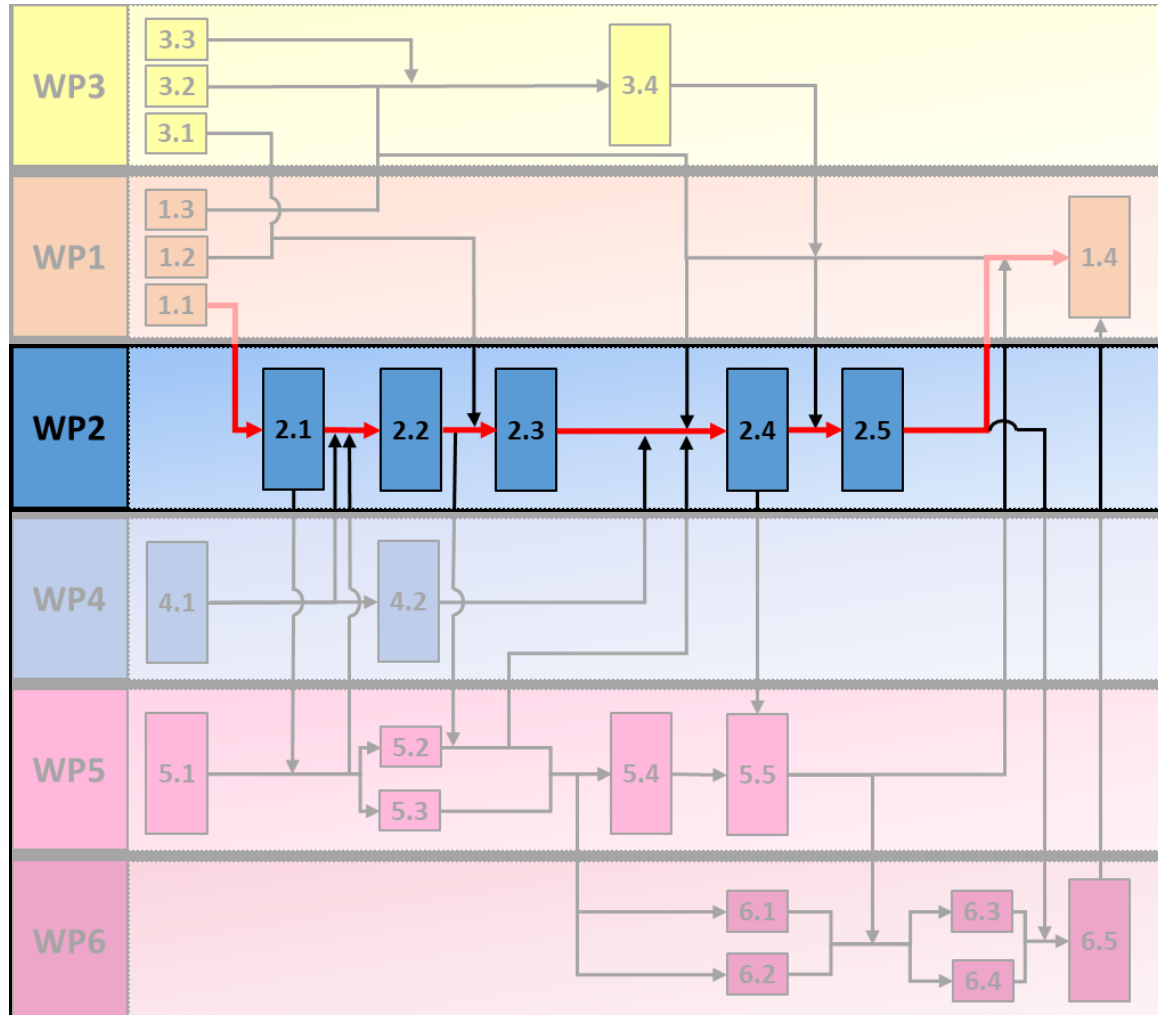


Objectives of WP2 (Optical integration):



- **Realization of MINFLUX platform:**
 - in the near infrared wavelength range
 - with faster image acquisition and lower background
 - correlated with SRS and TPE TRAST imaging
- **Development and implementation of:**
 - localization algorithms for SPAD array-based MINFLUX
 - acquisition strategies for correlative imaging

Tasks of WP2 (Optical integration):



2.1: Expand MINFLUX platform to the NIR

2.2: Integrate SRS light source and implement acquisition strategies for correlated imaging

2.3: Integrate SPAD array and prototype spatial detection-based algorithms

2.4: Implement two photon activation and establish label-free metabolic imaging

2.5: Optimize and stabilize optical setup and provide critical feedback

NanOVIB 



PHOTONICS²¹

PHOTONICS PUBLIC PRIVATE PARTNERSHIP