

Faculty of Medicine (7)

- Project 1: Development of a human 3D liver scaffold representing fibrosis and cirrhosis, Prof. Dr. Andreas Nüssler
- Project 2: Establishment of Raman imaging as an in vitro monitoring tool of three-dimensional (3D) native and engineered tissues, Prof. Dr. Katja Schenke-Layland
- Project 3: Targeting specific pathomechanisms as treatment strategy for an inherited neurodegenerative disorder, Prof. Dr. Thorsten Schmidt
- Project 4: How do brain tumor cells influence the integrity of tumor-associated vessels, Prof. Dr. Ulrike Naumann
- Project 5: Secreted transcription factors as biomarkers in melanoma progression and therapy resistance, Prof. Dr. Birgit Schitteck
- Project 6: Immune-evasion mechanisms by glycoproteins of highly pathogenic emerging RNA viruses, Prof. Dr. Michael Schindler
- Project 7: Genetic and molecular characterization of familial and sporadic forms of Parkinson's disease, Prof. Dr. Thomas Gasser

Faculty of Science (20)

- Project 8: Climate change and land-use feedbacks on soils and vegetation in high mountain ranges, Prof. Dr. Thomas Scholten
- Project 9: Identification of novel components of the plant immune system, Prof. Dr. Andrea Gust
- Project 10: Diffuse soil pollution by polycyclic aromatic hydrocarbons: Pollutant sources and long-term fate, Prof. Dr. Peter Grathwohl
- Project 11: Biogeochemical cycling of phosphorus in floodplain aquifers - studies based on stable isotope analysis of phosphate-bound oxygen, Prof. Dr. Yvonne Oelmann
- Project 12: Carbon recovery into useful products from organic wastewater and industrial waste gases, Prof. Dr. Largus Angenent
- Project 13: Superconducting emitters of terahertz radiation, Prof. Dr. Reinhold Kleiner, Prof. Dr. Dieter Kölle
- Project 14: A novel method to map cellular protein transport pathways, Prof. Dr. Doron Rapaport
- Project 15: Airborne measurement of pollen distribution and transport in the lower atmosphere, Prof. Dr. Jens Bange, Prof. Dr. Andreas Platis (*Full time or sandwich*)
- Project 16: Experimental study of the particulate matter distribution and transport at the urban-rural boundary, Prof. Dr. Jens Bange, Prof. Dr. Andreas Platis (*Full time or sandwich*)
- Project 17: A vertical take-off and landing (VTOL) unmanned aircraft (UAS) for atmospheric and wind-energy science, Prof. Dr. Jens Bange, Prof. Dr. Andreas Platis
- Project 18: High resolution wind measurement aboard a multi-copter research unmanned aircraft (UAS), Prof. Dr. Jens Bange, Prof. Dr. Andreas Platis
- Project 19: Analysis of the urban wind field for wind-energy production using a network and data base of high-resolution measurements, Prof. Dr. Jens Bange, Prof. Dr. Andreas Platis (*Full time or sandwich*)

- Project 20: Controlling charge transfer in organic solar cell materials, Prof. Dr. Frank Schreiber, Jun.-Prof. Dr. Katharina Broch
- Project 21: Protein Biophysics: Static and Dynamic Properties in Solution, Prof. Dr. Frank Schreiber
- Project 22: Observational Studies of magnetized accreting objects: unveiling the emission engine, Prof. Dr. Andrea Santangelo
- Project 23: Multiwavelength Observational Studies of Low and High Mass X-ray Binaries, Prof. Dr. Andrea Santangelo (*sandwich*)
- Project 24: Experimental developments for space-based high energy missions, Prof. Dr. Andrea Santangelo, Dr. Christoph Tenzer
- Project 25: Theory and simulation of coarse-grained models for globular proteins, Prof. Dr. Martin Oettel, Dr. Frank Schreiber
- Project 26: Deep Acquisition – Joint optimization of measurement setup and convolutional neural networks (CNN)-based reconstruction, Prof. Dr. Hendrik Lensch
- Project 27: Redox transformations of organic contaminants during water treatment with biochar, Prof. Dr. Stefan Haderlein, Dr. Stephanie Spahr

Faculty of Economics and Social Sciences (2)

- Project 28: Ethical Value Systems of Chinese Multinational Corporations: Particularistic Versus Universalistic Approaches, Prof. Dr. Markus Pudelko, Prof. Dr. Hans-Wolf Sievert
- Project 29: Quality of teaching; Educational Effectiveness; Motivation; Giftedness; Personality; Methods in the Educational Context, Prof. Dr. Ulrich Trautwein, Prof. Dr. Benjamin Fauth, Prof. Dr. Jessika Golle, Prof. Dr. Benjamin Nagengast, Prof. Dr. Kathleen Stürmer

Faculty of Humanities (1)

- Project 30: An Exploration of the Aesthetic Value of Johann Sebastian Bach's Instrumental Compositions in Modern and Contemporary China from the Perspective of Reception Aesthetics, Prof. Dr. Thomas Schipperges, Prof. Dr. Matthew Gardner

Faculty of Law (1)

- Project 31: Constitutional Law – Constitutional Review, Prof. Dr. Martin Nettesheim