

## International Projects

### [PIN9211324 YB-1 based virotherapy](#)

call: WEAVE

project lead: HOLM Per Sonne

university / research place: University Hospital for Cranio-maxillofacial and Oral Surgery, Medical  
University of Innsbruck, Anichstr. 35, 6020 Innsbruck, Tyrol, Austria

lifetime: starting date pending

science discipline:

Biology (30%); Health Sciences (20%); Clinical Medicine (50%)

keywords: YB-1, CDK4/6, Palbociclib, P-TEFb, HNSCC, Therapie

### [PIN2237624 Identification of a Golgi quality control network](#)

call: WEAVE

project lead: TEIS David

university / research place: Institute of Molecular Biochemistry, Medical University of Innsbruck,  
Biocenter Innsbruck, Innrain 80-82; 6020 Innsbruck, Tyrol, Austria

lifetime: starting date pending

science disciplines

Biology (100%)

keywords: Proteostasis, Golgi, Quality Control, Ubiquitin

### [PIN5995324 HAIRSPIKE - pH control of hair cell development](#)

call: FWF / ANR Joint Project

project lead: VOGL Christian

university / research place: Institute of Physiology, Medical University of Innsbruck, Schöpfstr. 41,  
6020 Innsbruck, Tyrol, Austria

lifetime: 01.02.2025 – 31.01.2028

science discipline:

Biology (100%)

keywords: Synaptic Transmission, Ph Regulation, Auditory System, Pre-Sensory Development,  
Maturation Refinement, Hair Cell Synapse

### [PIN7174124 OBELIX-NEPHROSIS: B CELL DEPLETION IN THERAPY-NAÏVE MCD](#)

call: FWF / ANR Joint Project

project lead: KRONBICHLER Andreas

university / research place: University Hospital for Internal Medicine IV, Medical University of  
Innsbruck, Anichstr. 35, 6020 Innsbruck, Tyrol, Austria

lifetime: starting date pending

science discipline:

Clinical Medicine (100%)

keywords: Minimal change disease, Nephrotic syndrome, B cell depletion, Treatment, Relapse, Remission

#### **PIN5091724 STAC3 disorder: gene therapy and malignant hyperthermia**

call: FWF / ANR Joint Project

project lead: CAMPIGLIO Marta

university / research place: Institute of Physiology, Medical University of Innsbruck, Schöpfstr. 41,  
6020 Innsbruck, Tyrol, Austria

lifetime: 01.01.2025 – 31.12.2027

science discipline

Biology (10%);

Medical-Theoretical Sciences, Pharmacy (60%);

Medical Biotechnology (30%)

keywords: STAC3, Gene therapy, Excitation-Contraction Coupling, Myopathy

#### **I6642 Regulation of cell death decisions**

call: DFG; DACH

project lead: VILLUNGER Andreas

university / research place: Institute for Developmental Immunology, Medical University of  
Innsbruck, Biocenter Innsbruck, Innrain 80-82; 6020 Innsbruck, Tyrol,  
Austria

decision board: 26.06.2023

lifetime: 01.10.2023 – 30.09.2027

science discipline

67% 301 Medical-Theoretical Sciences, Pharmacy

33% 106 Biology

keywords: p53, apoptosis, mitotic errors, caspases

#### **I6838 The role of tissue anisotropy in quantitative brain MRI**

call: WEAVE

project lead: BIRKL Christoph

university / research place: University Hospital for Radiology, Medical University of Innsbruck,  
Anichstr. 35, 6020 Innsbruck, Tyrol, Austria

decision board: 02.10.2023

lifetime: 01.01.2024 – 31.12.2027

science discipline

70% 302 Clinical Medicine

20% 106 Biology

10% 104 Chemistry

keywords: quantitative MRI, tissue anisotropy, MR relaxation, quantitative susceptibility mapping, post mortem MRI, human brain

#### **I6613 Artificial Siderophores for molecular imaging applications**

call: WEAVE

project lead: DECRISTOFORO Clemens

university / research place: University Hospital for Nuclear Medicine, Medical University of Innsbruck, Anichstr. 35, 6020 Innsbruck, Tyrol, Austria

decision board: 26.06.2023

lifetime: 01.01.2024 – 31.12.2026

science discipline

50% 302 Clinical Medicine

40% 301 Medical-Theoretical Sciences, Pharmacy

10% 106 Biology

Keywords: PET, Optical Imaging, infection, molecular imaging, Artificial Siderophores, Biomimetics

#### **I6493 Fine-Structure-Based Models for Cochlear Implant Advancement**

call: WEAVE

project lead: GLÜCKERT Rudolf

university / research place: University Hospital for Otorhinolaryngology (ENT), Hearing, Speech & Voice Disorders, Medical University of Innsbruck, Anichstr. 35, 6020 Innsbruck; Tyrol, Austria

decision board: 02.05.2023

lifetime: 01.10.2023 – 30.09.2026

science discipline:

60% 102 Computer Sciences

40% 106 Biology

keywords: auditory nerve, cochlear implant, simulation, voltage-gated ion channels, spiral ganglion, innervation

#### **I6477 EURONET-NF: improved diagnostics of the neurofibromatosis**

call: ERA European Joint Programme on Rare Diseases Joint Transnational Call 2022

project lead: WIMMER Katharina

university / research place: Institute of Human Genetics, Medical University of Innsbruck, Schöpfstr. 24, 6020 Innsbruck, Tyrol, Austria

decision board: 03.10.2022

lifetime: 16.06.2023 – 15.06.2026

science discipline:

100% 301 Medical-Theoretical Sciences, Pharmacy

keywords: neurofibromatoses, schwannomatosis, genomic medicine, mosaicism, targeted RNA sequencing

#### **I6470 Multi-omics signature of kidney fibrosis (KidneySign)**

call: ERA PerMed Joint Translational Call 2022

project lead: DENICOLO Sara

university / research place: University Hospital for Internal Medicine IV, Medical University of  
Innsbruck, Anichstr. 35, 6020 Innsbruck, Tyrol, Austria

decision board: 03.10.2022

lifetime: 02.05.2023 – 01.05.2026

science discipline:

55% 301 Medical-Theoretical Sciences, Pharmacy

30% 102 Computer Sciences

15% 101 Mathematics

keywords: Chronic kidney disease, progression, kidney fibrosis, proteomics, biomarker, ethics

#### **I6471 Body fluid proteome SIGNatures for personNALised interventio (SIGNAL)**

call: ERA PerMed Joint Translational Call 2022

project lead: MAYER Gert

university / research place: University Hospital for Internal Medicine IV, Medical University of  
Innsbruck, Anichstr. 35, 6020 Innsbruck, Tyrol, Austria

decision board: 03.10.2022

lifetime: 02.05.2023 – 01.05.2026

science discipline:

50% 301 Medical-Theoretical Sciences, Pharmacy

25% 302 Clinical Medicine

25% 102 Computer Sciences

keywords: Diabetes mellitus type 2, precision medicine, urinary proteomics, predictive biomarkers,  
health economics

#### **I6122 UVISION 1.1**

call: WEAVE

project lead: GOSTNER Johanna

university / research place: Institute of Medical Biochemistry, Biocenter Innsbruck, Medical  
University of Innsbruck, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria

decision board: 27.06.2022

lifetime: 15.01.2023 – 14.01.2027

science discipline:

65% 301 Medical-Theoretical Sciences, Pharmacy

25% 104 Chemistry

10% 106 Biology

keywords: mycosporine-like amino acids, marine resources, UV protection, mode of action, human cell  
model, bioactivity-guided screening

#### **I6057 TRR241 Immune-epithelial communication in IBD**

call: DFG; DACH

project lead: TRAJANOSKI Zlatko

university / research place: Institute of Bioinformatics, Biocenter Innsbruck, Medical University of Innsbruck, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria

decision board: 27.06.2022

lifetime: 01.08.2022 – 31.07.2026

science discipline:

100% 102 Computer Sciences

keywords: inflammatory bowel diseases, multi-omics, database

#### **I6016 Synergetic aerosol remote sensing of Pandora within ACTRIS**

call: WEAVE

project lead: KREUTER Axel

university / research place: Institute of Biomedical Physics, Medical University Innsbruck, Müllestr. 44, 620 Innsbruck, Tyrol, Austria

decision board: 07.03.2022

lifetime: 01.08.2022 – 31.07.2026

science discipline:

40% 103 Physics, Astronomy

30% 105 Geosciences

30% 207 Environmental Engineering, Applied Geosciences

keywords: Aerosols, trace gas remote sensing, GRASP, AERONET, PANDORA, LIDAR

#### **I5894 Behaviors in REM sleep: AI assisted 3D Video Analysis**

call: ERA PerMed Call 2021

project lead: HÖGL Birgit

university / research place: University Hospital for Neurology, Medical University of Innsbruck, Anichstr. 35, 6020 Innsbruck, Tyrol, Austria

decision board: 27.09.2021

lifetime: 01.04.2022 – 31.03.2026

science discipline:

60% 102 Computer Sciences

40% 302 Clinical Medicine

keywords: REM sleep behavior disorder, Novel stand-alone diagnostic tool, Polysomnography, Automatic movement detection, Artificial intelligence, Portable 3D video

#### **I5406 NECESSITY-New chemical entities modulating SARSCoV2 activity**

call: DACH – FWF

project lead: DUNZENDORFER-MATT Theresia

university / research place: Institute of Biological Chemistry, Biocenter Innsbruck, Medical University of Innsbruck, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria

decision board: 10.05.2021

lifetime: 01.11.2021 – 31.10.2025

science discipline:

70% 106 Biology

15% 104 Chemistry

15% 303 Health Sciences

keywords: X-ray crystallographic screening, drug repurposing, mutation driven drug resistance, translational virology, kinetic driven rational organic synthesis, inhibition of essential SARS-CoV-2 enzyme

#### **I5364 LIAISON: Novel interaction of Kv channels across families**

call: DACH: DFG

project lead: KUMMER Kai

university / research place: Institute of Physiology, Medical University of Innsbruck, Schöpfstr. 41, 6020 Innsbruck, Tyrol, Austria

decision board: 10.05.2021

lifetime: 01.09.2021 – 31.08.2025

science discipline:

100% 301 Medical-Theoretical Sciences, Pharmacy

keywords: neurophysiology, ion channels, signaling, interactions, potassium

#### **I4565 Prostate Cancer Therapy Resistance: Impact of Stromal Hetero**

call: DACH

project lead: SAMPSON Natalie

university / research place: University Hospital for Urology, Medical University of Innsbruck, Anichstraße 35, 6020 Innsbruck, Tyrol, Austria

decision board: 25.11.2019

lifetime: 01.08.2020 – 31.07.2025

science discipline

85% 301 Medical-Theoretical Sciences, Pharmacy

15% 302 Clinical Medicine

keywords: stroma, heterogeneity, prostate cancer, FACS, microenvironment, therapy resistance