

FWF - Projects

PAT 1535423 DGCR8's N-terminus in guiding microRNA biogenesis

project lead: HERZOG Sebastian
university / research place Institute of Developmental Immunology, Biocenter Innsbruck, Medical University of Innsbruck, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria
lifetime: starting date pending
science discipline
Biologie (100%)
keywords: Mirna, DGCR8, Mirna Biogenesis, Microprocessor

P37337 Crystallization of Local Anesthetic and Adjuvants Mixtures

project lead: STUNDNER Ottokar
university / research place University Hospital for Anaesthesia and Intensive Care, Medical University of Innsbruck, Anichstr. 35, 6020 Innsbruck, Tyrol, Austria
lifetime: starting date pending
science discipline
Clinical Medicine (75%);
Medical-Theoretical Sciences, Pharmacy (25%)
keywords: Local Anesthetics, Adjuvants, Crystallization, Drug Safety, Pharmacokinetics, Microscopy

P37290 Ferroptosis as a barrier against blood cancer

project lead: VILLUNGER Andreas
university / research place Institute of Developmental Immunology, Biocenter Innsbruck, Medical University of Innsbruck, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria
lifetime: starting date pending
science discipline
Biology (25%);
Medical-Theoretical Sciences, Pharmacy (75%)
keywords: Ferroptosis, MYC, Blood cancer, ABL-kinase

P36975 Molecular architecture of native LAMTOR and BORC assemblies

project lead: Taras STASYK
university / research place Institute of Cell Biology, Biocenter Innsbruck, Medical University of Innsbruck, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria

decision board: 15.06.2023

lifetime: 01.11.2023-31.10.2026

science discipline

100% 106 Biology

keywords: LAMTOR, BORC, protein complexes, lysosome, mass spectrometry

P36925 Pseudophosphatase STYX diversifies F-Box protein function

project lead: Veronika REITERER-FARHAN

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

decision board: 06.03.2023

lifetime: 01.08.2023 – 31.07.2027

science discipline

100% 106 Biology

keywords: pseudophosphatase, FBXO31, F-Box proteins, STYX

P36922 Contribution of Malassezia towards ductal pancreas carcinoma

project lead: Cornelia SPETH

university / research place Department for Hygiene and Medical Microbiology, Medical
University of Innsbruck, Schöpfstr. 41, 6020 Innsbruck, Tyrol,
Austria

decision board: 06.03.20223

lifetime 01.07.2023 – 31.12.2026

science discipline

40% 302 Clinical Medicine

30% 106 Biology

30% 301 Medical-Theoretical Sciences, Pharmacy

keywords: Pancreatic ductal adenocarcinoma, Malassezia, Immuno-environment, Tumor progression,
Antomycotic prophylaxis and therapy, Innate immunity

P36861 TIS7 and SKMc15 in fat metabolism and adipogenesis

project lead: Ilja VIETRO

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

decision board: 06.03.2023

lifetime: 01.09.2023 – 31.08.2026

science discipline

100% 106 Biology

keywords: TIS7, SKMc15, adipocyte differentiation, diet-induced obesity, lean phenotype, translational
inhibition

P36687 Deep 3-photon brain maging with wide scatter compensation

project lead: Alexander JESACHER
university / research place: Institute of Biomedical Physics, Medical University of Innsbruck,
Müllerstr. 44, 6020 Innsbruck, Tyrol, Austria

decision board: 14.04.2023

lifetime: 02.20.2023-01.10.2027

science discipline

80% 103 Physics, Astronomy

20% 301 Medical-Theoretical Sciences, Pharmacy

keywords: 3-photon microscopy, scatter compensation, adaptive optics, brain imaging

P36658 The PIDosome in natural polyplodization

project lead: VILLUNGER Andreas
university / research place: Institute of Developmental Immunology, Biocenter Innsbruck, Medical
University of Innsbruck, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria

decision board: 21.11.2022

lifetime: 01.04.2023 – 31.03.2027

science discipline

50% 106 Biology

50% 301 Medical-Theoretical Sciences, Pharmacy

keywords: Polyploidy, Differentiation, Caspases, p53

P36600 Role of the spliceosomal subunit SNRPB in ER-proteostasis

project lead: FARHAN Hesso
university / research place: Institute of Pathophysiology, Biocenter Innsbruck, Medical University of
Innsbruck, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria

decision board: 21.11.2022

lifetime: 01.02.2023 – 31.01.2027

science discipline

100% 106 Biology

keywords: COPII, Endoplasmic reticulum, Proteostasis

P36528 Radiation-induced and obesity-dependent NK cell activities

project lead: SKVORTSOVA Ira-Ida
university / research place: University Hospital for Radiotherapy and Radiation Oncology; Medical
University of Innsbruck, Anichstr. 35, 6020 Innsbruck, Tyrol, Austria

decision board: 21.11.2022

lifetime: 01.03.2023 – 28.02.2027

science discipline

70% 301 Medical-Theoretical Sciences, Pharmacy

30% 302 Clinical Medicine

keywords: Breast cancer, metastasis, radiotherapy, obesity, NK cells

P36229 A novel miRNA in the GAP43 gene regulating neuroregeneration

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

decision board: 03.10.2022

lifetime: 15.01.2023 – 14.01.2027

science discipline:

80% 106 Biology

10% 301 Medical-Theoretical Sciences, Pharmacy

10% 304 Medical Biotechnology

keywords: miRNA, GAP43, dorsal root ganglia, neuronal injury, neuronal regeneration

P36187 Individual functions of Orm/ORMDL family proteins in membran

project lead: SCHMIDT Oliver
university / research place: Institute of Cell Biology, Biocenter Innsbruck, Medical University of
Innsbruck, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria

decision board: 27.06.2022

lifetime: 01.09.2022 – 31.08.2025

science discipline:

100% 106 Biology

keywords: membrane, homeostasis, ORMDL proteins, sphingolipid, lipid metabolism, Orm proteins

P36022 Live Cell Superresolution Imaging of Protein Conformation

project lead: JESACHER Alexander (national research partner)
university / research place: Institute of Biomedical Physics, Medical University of Innsbruck,
Müllerstr. 44, 6020 Innsbruck, Tyrol, Austria

decision board: 27.06.2022

lifetime: 01.10.2022 – 30.09.2026

science discipline:

75% 106 Biology

20% 103 Physics, Astronomy

5% 301 Medical-Theoretical Sciences, Pharmacy

keywords: Single Molecule Microscopy, Superresolution Microscopy, Single Molecule Biophysics, T cell activation

P35951 Regulatory Mechanisms Driving Azole Antifungal Resistance

project lead: GSALLER Fabio
university / research place: Institute of Molecular Biology, Biocenter Innsbruck, Medical University
of Innsbruck, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria

decision board: 02.05.2022

lifetime: 01.01.2023 – 31.12.2026

science discipline:

80% 106 Biology

20% 303 Health Sciences

keywords: Antifungal drugs, Azole resistance, Aspergillus fumigatus, Transcriptional regulation, Ergosterol Biosynthesis

P35874 Control of amino acid transporter endocytosis & degradation

project lead: TEIS David

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

decision board: 28.04.2022

lifetime: 01.09.2022 – 31.08.2025

science discipline:

100% 106 Biology

keywords: amino acid transporter, endocytosis, alpha-arrest

P35832 Rac1 at the Endoplasmic Reticulum Regulates Secretion Rac1 at

project lead: FARHAN Hesso

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

decision board: 07.03.2022

lifetime: 01.07.2022 – 30.06.2026

science discipline

100% 106 Biology

keywords: COPII, Endoplasmic Reticulum, Rac1

P35805 Cargo selective apical transport and epithelial polarity

project lead: VOGEL Georg-Friedrich

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

decision board: 07.03.2022

lifetime: 01.09.2022 – 31.08.2026

science discipline:

85% 106 Biology

10% 302 Clinical Medicine

5% 103 Physics, Astronomy

keywords: epithelial cells, polarity, apical transport, CODE

P35747 Prefrontal-Striatal information routing for choice selection

project lead: PASSECKER Johannes

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

decision board: 07.03.2022

lifetime: 01.05.2022 – 30.04.2026

science discipline

65% 106 Biology

20% 301 Medical-Theoretical Sciences, Pharmacy

15% 102 Computer Sciences

keywords: Optogenetics, Prefrontal Cortex, In-vivo Electrophysiology, Value-based Decision-making, bandit Task, neurophysiology

P35584 Critical periods and resilience to stress depend on SATB2project lead

Project lead: DECHANT Georg

university / research place: Institute for Neuroscience, Medical University of Innsbruck, Innrain 66,
6020 Innsbruck, Tyrol, Austria

decision board: 07.03.2022

lifetime: 01.10.2022 – 30.09.2025

science discipline

40% 301 Medical-Theoretical Sciences, Pharmacy

20% 305 Other Human Medicine, Health Sciences

20% 302 Clinical Medicine

20% 106 Biology

keywords: critical period, stress, cognition, epigenetics, functional genomics

P35579 TARGET- TARgeted Gene therapy for Epilepsy Treatment

project lead: LIEB Andreas

university / research place: Institute of Pharmacology, Medical University of Innsbruck,
Peter-Mayr-Str. 1a, 6020 Innsbruck, Tyrol, Austria

decision board: 07.03.2022

lifetime: 01.09.2022 – 31.08.2026

science discipline

60% 304 Medical Biotechnology

15% 102 Computer Sciences

15% 106 Biology

10% 301 Medical-Theoretical Sciences, Pharmacy

keywords: Gene Therapy, Epilepsy, Designer Receptor, Neuroscience

P35618 Regulation of Ca currents and ECC by CaV1.1 voltage-sensors

project lead: FLUCHER Bernhard E.

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

decision board: 22.11.2021

lifetime: 01.05.2022 – 30.04.2025

science discipline

60% 106 Biology

40% 301 Medical-Theoretical Sciences, Pharmacy

keywords: Voltage-gated calcium channel, CaV1.1, Voltage-sensing, Excitation-contraction coupling

P35219 Novel anti-inflammatory intervention in PMR and GCA

project lead: SANTOR SIERRA Sandra

university / research place: Institute of Biomedical Pharmacology, Medical University of Innsbruck,
Peter-Mayr-Str. 1, 6020 Innsbruck, Tyrol, Austria

decision board: 21.06.2021

lifetime: 01.01.2022 – 30.06.2025

science discipline

75% 301 Medical-Theoretical Sciences, Pharmacy

25% 302 Clinical Medicine

keywords: polymyalgia rheumatica, giant cell arteritis, cytokines, dendritic cells, TLR

P35159 Uncage hijacked kinases from SARS-CoV-2 interactions

project lead: KIMPEL Janine (national research partner)

university / research place: Institute of Virology, Medical University of Innsbruck,
Peter-Mayr-Str. 4b, 6020 Innsbruck, Tyrol, Austria

decision board: 21.06.2021

lifetime: 01.10.2021 – 30.09.2024

science discipline

50% 106 Biology

25% 301 Medical-Theoretical Sciences, Pharmacy

25% 104 Chemistry

keywords: kinase, inhibitor, biosensor, omics

P35148 Inhibition principles of the SARS-CoV-2 proteases

project lead: HOLM VON LAER Dorothee

university / research place: Institute of Virology, Medical University of Innsbruck,
Peter-Mayr-Str. 4b, 6020 Innsbruck, Tyrol, Austria

decision board: 21.06.2021

lifetime: 15.09.2021 – 14.09.2024

science discipline

40% 303 Health Sciences

30% 104 Chemistry

20% 106 Biology

10% 206 Medical Engineering

keywords: SARS-CoV-2 proteases, 3CLpro, PLpro, inhibition

P35055 COVID-19 in end-stage renal disease

project lead: KERSCHBAUM Julia
university / research place: University Hospital for Internal Medicine IV, Medical University of Innsbruck, Anichstr. 35, 6020 Innsbruck, Tyrol, Austria
decision board: 21.06.2021
lifetime: 01.05.2022 – 30.04.2025
science discipline
60% 302 Clinical Medicine
40% 303 Health Sciences
keywords: COVID-19, SARS-CoV-2, Dialysis, Kidney transplantation, end-stage renal disease

P35053 Involvement of Satb2 in cocaine relapse

project lead: EL RAWAS Rana
university / research place: University Hospital for Psychology I, Medical University of Innsbruck, Anichstr. 35, 6020 Innsbruck, Tyrol, Austria
decision board: 21.06.2021
lifetime: 06.01.2022 – 05.01.2025
science discipline
100% 106 Biology
keywords: SATB2, Relapse, Paraventricular thalamus, drug addiction, conditioned place preference, self-administration

P34907 Organelle specific rules for the self-assembly of ESCRT-III

project lead: TEIS David
university / research place: Institute of Cell Biology, Biocenter Innsbruck, Medical University of Innsbruck, Innrain 80-82, 6020 Innsbruck, Tyrol Austria
decision board: 10.05.2021
lifetime: 01.07.2021 – 30.06.2024
science discipline
100% 106 Biology
keywords ESCRT, endosome, plasma membrane, nuclear envelop

P34802 New PET tracer for imaging of functional liver reserve

project lead: HAUBNER Roland
university / research place: University Hospital for Nuclear Medicine, Medical University of Innsbruck, Anichstr. 35, 6020 Innsbruck, Tyrol, Austria
decision board: 10.05.2021
lifetime: 04.10.2021 – 03.10.2025
science discipline
50% 104 Chemistry
40% 302 Clinical Medicine
10% 301 Medical-Theoretical Sciences, Pharmacy

keywords PET Radiopharmacy Asialoglycoproteinreceptor Liver

P34783 MicroRNAs as predictive biomarkers for COVID-19

project lead: HACKL Hubert (national research partner)
university / research place: Institute of Bioinformatics, Biocenter Innsbruck, Medical University of
Innsbruck, Innrain 80-82, 6020 Innsbruck, Tyrol Austria
decision board: 08.03.2021
lifetime: 01.07.2021 – 30.06.2024
science discipline
40% 302 Clinical Medicine
40% 102 Computer Sciences
20% 301 Medical-Theoretical Sciences, Pharmacy
keywords COVID-19, prediction, microRNAs

P34732 Innovative radiolabelling strategies for CCK2R targeting

project lead: VON GUGGENBERG ZU RIEDHOFEN Elisabeth
university / project lead: University Hospital for Nuclear Medicine, Medical University of
Innsbruck, Anichstr. 35, 6020 Innsbruck, Tyrol, Austria
decision board: 10.05.2021
lifetime: 15.11.2021 – 14.02.2025
science discipline
70% 301 Medical-Theoretical Sciences, Pharmacy
30% 302 Clinical Medicine
keywords cholecystokinin-2 receptors, minigstrin, molecular imaging, positron emission tomography,
gallium-68, fluorine-18

P34723 Role of plasmalogens in ether lipid-associated pathologies

project lead: WATSCHINGER Katrin
university / research place: Institute of Biological Chemistry, Biocenter Innsbruck, Medical
University of Innsbruck, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria
decision board: 08.03.2021
lifetime: 01.06.2021 – 31.05.2025
science discipline
100% 301 Medical-Theoretical Sciences, Pharmacy
keywords lipid metabolism, rhizomelic chondrodysplasia punctata, plasmalogen, ether phospholipid

P34574 Regulation of phospholipid remodeling in mitochondria

project lead: KELLER Markus
university / research place: Institute of Human Genetics, Medical University of Innsbruck,
Schöpfstr. 24, 6020 Innsbruck, Tyrol, Austria
decision board: 10.05.2021
lifetime: 15.05.2022 – 14.05.2025

science discipline

50% 106 Biology

25% 102 Computer Sciences

25% 301 Medical-Theoretical Sciences, Pharmacy

keywords Phospholipid metabolism, Mitochondrial function, Structural variability, Mass spectrometry, Mitochondrial diseases, Compartmentalisation

P34403 Post-operative cognitive dysfunction and the gut microbiome

project lead: KRESS Michaela

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

decision board: 08.03.2021

lifetime: 15.04.2021 – 14.04.2025

science discipline

50% 301 Medical-Theoretical Sciences, Pharmacy

50% 302 Clinical Medicine

keywords POCD, medial prefrontal cortex, enteric neuron, pain, interleukin-6 signal transducer, gut microbiome

P34368 Assessing the role of PKD family members for T cell function

Project lead: BELLAIRE-SIEGMUND Kerstin

University / research place Department for Genetics and Pharmacology, Medical University of
Innsbruck, Peter Mayr Str. 1a, 6020 Innsbruck, Tyrol, Austria

Decision board: 08.03.2021

Lifetime: 01.06.2021 – 31.05.2025

Science discipline

100% 301 Medical-Theoretical Sciences, Pharmacy

keywords

Immunology, Inflammation, Tumor Immunity, T lymphocyte activation, Protein Kinase D

P34320 Role of NPY in the integration of fear and food intake

project lead: TASAN Ramon Osman

university / research place Institute of Pharmacology, Medical University of Innsbruck,
Peter-Mayr-Str. 1a, 6020 Innsbruck, Tyrol, Austria

decision board: 23.11.2020

lifetime: 01.11.2021 – 31.10.2025

science discipline

100% 301 Medical-Theoretical Sciences, Pharmacy

keywords Neuropeptide, Neuropeptid Y, NPY, amygdala, Fear, Food intake

P34132 DNA as template for ribosomal translation?

project lead: ERLACHER Matthias
university / research place: Institute of Gnomics and RNomics, Biocenter Innsbruck, Medical
University of Innsbruck, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria
decision board: 23.11.2020
lifetime: 01.02.2021 – 31.12.2024
science discipline
100% 106 Biology
keywords translation, ribosome, protein synthesis, synthetic biology

P34070 Treating SARS-CoV-2 infection in human 3D respiratory models

project lead: POSCH Wilfried
university / research place: Department of Hygiene, Microbiology and Public Health, Medical
University of Innsbruck, Schöpfstr. 42, 6020 Innsbruck
decision board: 20.07.2020
lifetime: 01.10.2020 – 30.09.2025
science discipline
30% 303 Health Sciences
30% 301 Medical-Theoretical Sciences, Pharmacy
30% 106 Biology
10% 304 Medical Biotechnology
keywords SARS-CoV-2, COVID19, respiratory system, human, immunity

P33936 The role of 5-methylcytosine in mammalian mRNA

project lead: LUSSER Alexandra
university / research place: Institute of Molecular Biology, Biocenter Innsbruck, Innsbruck Medical
University, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria
decision board: 28.09.2020
lifetime: 01.03.2021 – 28.02.2025
science discipline
100% 106 Biology
keywords RNA modification, 5-methylcytosine, epitranscriptomics, RNA modifying enzymes, RNA
chemistry

P33855 Immunotherapy of cancer with Langerin-ligand liposomes

project lead: STOITZNER Patrizia
university / research place: University Hospital for Dermatology, Venerology and Allergology,
Innsbruck Medical University, Anichstr. 35, 6020 Innsbruck, Tyrol Austria
decision board: 28.09.2020
lifetime: 01.12.2020 – 30.11.2024
science discipline
80% 301 Medical-Theoretical Sciences, Pharmacy

20% 302 Clinical Medicine

keywords Langerhans cells, immunotherapy, melanoma, Langerin, nanovaccines, T cell responses

P33776 Dissecting the functions of multiple interactions of STAC3

project lead: CAMPIGLIO Marta

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

decision board: 11.05.2020

lifetime: 01.03.2021 – 28.02.2025

science discipline:

80% 301 Medical-Theoretical Sciences, Pharmacy

20% 106 Biology

keywords STAC3, Excitation-contraction coupling, skeletal muscle, voltage-gated calcium channels

P33727 Neurokinin B in emotional and metabolic processing

project lead: TASAN Ramon Osman

university / research place: Institute of Pharmacology, Medical University of Innsbruck,
Peter-Mayr-Str. 1a, 6020 Innsbruck, Tyrol, Austria

decision board: 30.06.2020

lifetime: 01.12.2020 – 30.11.2024

science discipline:

80% 301 Medical-Theoretical Sciences, Pharmacy

20% 106 Biology

keywords Neuropeptide, Neurokinin B, fear, anxiety, amygdala, feeding

P33640 The ATP receptor P2Y11 engages nonapoptotic functions of Fas

project lead: THURNHER Martin

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

decision board: 11.05.2020

lifetime: 15.07.2020 – 14.07.2024

science discipline:

40% 302 Clinical Medicine

40% 106 Biology

20% 301 Medical-Theoretical Sciences, Pharmacy

keywords P2Y11, ATP, CD95, NR4A1, Survival, IL-7R

P33510 HIV-C escapes Restriction not Sensing in DCs

project lead: WILFLINGSIEDER Doris

university / research place: Department of Hygiene, Microbiology and Public Health, Medical
University of Innsbruck, Schöpfstr. 42, 6020 Innsbruck

decision board: 09.03.2020

lifetime: 01.06.2020 – 31.05.2025

science discipline:

65% 301 Medical-Theoretical Sciences, Pharmacy

35% 106 Biology

keywords HIV-1, Dendritische Zellen, Restriktionsmechanismen, Immunologie, Therapie

P33411 Improving axon regeneration in the peripheral nervous system

project lead: SCHWEIGREITER Rüdiger

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

decision board: 11.05.2020

lifetime: 15.02.2021 – 14.02.2026

science discipline:

70% 106 Biology

20% 301 Medical-Theoretical Sciences, Pharmacy

10% 206 Medical Engineering

keywords neurons, axons, regeneration, peripheral nerves, i

P33333 Lipid peroxidation as driver of cardiolipin remodeling

project lead: KELLER Markus

university / research place: Institute of Human Genetics, Medical University of Innsbruck, Peter-Mayr-Str. 1, 6020 Innsbruck, Tyrol, Austria

decision board: 09.03.2020

lifetime: 01.06.2020 – 31.05.2024

science disciplines:

75% 301 Medical-Theoretical Sciences, Pharmacy

25% 102 Computer Sciences

keywords Mitochondrial diseases, Mitochondrial membrane, Lipid peroxidation, Tafazzin, Lipidomics, Cardiolipin homeostasis

P33225 Dendritic complexity regulation by phospho-S1928 of CaV1.2

project lead: DI BIASE Valentina

university / research place: Institute of Molecular and Cellular Pharmacology, Medical University of Innsbruck, Peter-Mayr-Str. 1, 6020 Innsbruck, Tyrol, Austria

decision board: 25.11.2019

lifetime: 13.01.2020 – 12.01.2025

science discipline:

55% 301 Medical-Theoretical Sciences, Pharmacy

45% 106 Biology

keywords Serine 1928, CaV1.2, L-VGCCs, morphology, neuron, dendritic complexity

P33222 Designer Receptor Gene Therapy constructed for Parkinson's

project lead: LIEB Andreas
university / research place: Institute of Pharmacology, Medical University of Innsbruck,
Peter-Mayr-Str. 1a, 6020 Innsbruck, Tyrol, Austria

decision board: 09.03.2020

lifetime: 01.09.2020 – 31.08.2024

science discipline:

60% 304 Medical Biotechnology

30% 301 Medical-Theoretical Sciences, Pharmacy

10% 102 Computer Sciences

keywords Neuroscience, Gene Therapy, Designer Receptor, Parkinson's Disease

P33062 The iron storage protein ferritin in bacterial infection

project lead: MITTERSTILLER Anna-Maria
university / research place: University Hospital for Internal Medicine II, Medical University of
Innsbruck, Anichstraße 35, 6020 Innsbruck, Tyrol, Austria

decision board: 30.09.2019

lifetime: 01.01.2020 – 30.04.2024

science discipline:

45% 303 Health Sciences

40% 301 Medical-Theoretical Sciences, Pharmacy

15% 302 Clinical Medicine

keywords infection, bacteremia, iron, macrophage, sepsis, Ferritin

P33027 SATB2 regulation of neuronal nuclear architecture

project lead: APOSTOLOVA Galina
university / research place: Joint Institute for Neuroscience, Medical University of Innsbruck,
Innrain 66, 6020 Innsbruck, Tyrol, Austria

decision board: 09.03.2020

lifetime: 19.10.2020 – 18.04.2025

science discipline:

80% 106 Biology

10% 102 Computer Sciences

10% 301 Medical-Theoretical Sciences, Pharmacy

keywords

activity-dependent transcription, cortical neuron, HiC, spatial genome organization, chromatin, nuclear lamina

P32850 SATB2-dependent mechanisms in human cognitive ability

project lead: DECHANT Georg
university / research place: Joint Institute for Neuroscience, Medical University of Innsbruck,
Innrain 66, 6020 Innsbruck, Tyrol, Austria

decision board: 30.09.2019

lifetime: 15.01.2020 – 14.07.2024

science discipline:

70% 106 Biology

20% 301 Medical-Theoretical Sciences, Pharmacy

10% 302 Clinical Medicine

keywords cognition, gene regulation, chromatin architecture, disease model, neocortex

P32821 Toll-like receptor 3 mediates Calcific Aortic Valve Disease

project lead: GOLLMANN-TEPEKÖYLÜ Can

university / research place: Department of Cardiac Surgery, Medical University of Innsbruck,
Anichstraße 35, 6020 Innsbruck, Tyrol, Austria

decision board: 24.06.2019

lifetime: 01.09.2019 – 31.08.2024

science discipline:

67% 302 Clinical Medicine

33% 301 Medical-Theoretical Sciences, Pharmacy

keywords cardiac surgery, valvular heart disease, calcification, toll-like receptor 3, calcific aortic valve disease

P32755 miRNA:mRNA interactions at the level of a single target gene

project lead: LABI Verena

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

decision board: 25.11.2019

lifetime: 01.03.2020 – 29.02.2024

science discipline:

60% 301 Medical-Theoretical Sciences, Pharmacy

40% 106 Biology

keywords BIM, apoptosis, miR-17~92, B cells

P32612 Mitochondrial-like tRNAs as splicing regulators

project lead: HÜTTENHOFER Alexander

university / research place: Division of Genomics & RNomics, Biocenter Innsbruck, Medical
University of Innsbruck, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria

decision board: 13.05.2019

lifetime: 01.10.2019 - 30.09.2024

science discipline:

70% 106 Biology

30% 102 Computer Sciences

keywords Mitochondrial tRNAs, alternative splicing, splicing enhancer, intronic

P32558 Spreading of Alzheimer pathology in organotypic brain slices

project lead: HUMPEL Christian
university / research place: University Hospital for Psychiatry, Medical University of Innsbruck,
Anichstraße 35, 6020 Innsbruck, Tyrol, Austria
decision board: 30.09.2019
lifetime: 01.04.2020 – 31.12.2024
science discipline:
100% 301 Medical-Theoretical Sciences, Pharmacy
keywords spreading, inflammation, beta-amyloid, organotypic brain slice, tau, Alzheimer

P32488 Repeat cIMT measurement for predicting cardiovascular events

project lead: WILLEIT Peter
university / research place: Department of Neurology & Neurosurgery, Medical University of
Innsbruck, Anichstraße 35, 6020 Innsbruck, Tyrol, Austria
decision board: 30.09.2019
lifetime: 01.12.2019 – 31.05.2024
science discipline:
60% 303 Health Sciences
20% 302 Clinical Medicine
20% 101 Mathematics
keywords Prospective studies, Atherosclerosis, Big data, Epidemiology, Prevention, Meta-analysis

P32329 Intrinsic azole resistance in mucormycetes

project lead: LACKNER Michaela
university / research place: Department of Hygiene, Microbiology and Social Medicine, Innsbruck
Medical University, Schöpfstr. 41, 6020 Innsbruck, Tyrol, Austria
decision board: 11.03.2019
lifetime: 01.07.2019 – 30.06.2024
science discipline:
50% 104 Chemistry
50% 106 Biology
keywords mucormycetes, mucormycosis, cyp51, lanosterol 14-alpha demethylase, azole, primary
resistance

P32193 Subcellular Localization of Toxin production

project lead: OFFTERDINGER Martin (national research partner)
university / research place: Institute of Neurobiochemistry, Biocenter Innsbruck, Innsbruck Medical
University, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria
decision board: 11.03.2019
lifetime: 01.10.2019 – 31.03.2024
science discipline:
80% 106 Biology

20% 104 Chemistry

keywords harmful algal bloom, anabaenopeptins, cyanotoxins, peptide labeling, click chemistry, microcystins

P32146 Deep brain vision: 3D adaptive 2-photon microscopy

project lead: JESACHER Alexander

university / research place: Department of Physiology and Medical Physics, Medical University of Innsbruck, Müllerstraße 44, 6020 Innsbruck, Tyrol, Austria

decision board: 13.05.2019

lifetime: 04.11.2019 – 03.11.2024

science discipline:

80% 103 Physics, Astronomy

20% 301 Medical-Theoretical Sciences, Pharmacy

keywords scattering compensation, remote focusing, brain imaging, Neurophysiology, adaptive optics, 2-photon fluorescence microscopy

P31777 The role of hippocampal interneurons in epileptogenesis

project lead: DREXEL Meinrad

university / research place: Institute of Pharmacology, Innsbruck Medical University, Peter-Mayr-Str. 1a, 6020 Innsbruck, Tyrol, Austria

decision board: 26.11.2018

lifetime: 01.06.2019 – 30.11.2024

science discipline:

70% 301 Medical-Theoretical Sciences, Pharmacy

30% 106 Biology

keywords

interneurons, hippocampus, epilepsy, epileptogenesis, optogenetics, basket cells

P31085 Preclinical evaluation of PKN1 as stroke-target

project lead: BAIER-BITTERLICH Gabriele

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

decision board: 05.03.2018

lifetime: 01.10.2018 – 31.03.2024

science discipline

100% 301 Medical-Theoretical Sciences, Pharmacy

keywords Protein Kinase N, Stroke, Neuroprotection