

## FWF - Projects

### **PAT 1317523 A2AR as candidate pathological driver of cerebral malaria**

project lead: BAIER Gottfried  
university / research place: Institute of Cell Genetics, Medical University of Innsbruck,  
Peter Mayr Str. 1a, 6020 Innsbruck, Tyrol, Austria

lifetime: 01.10.2024 – 30.09.2028

science discipline:

Health Sciences (10%); Clinical Medicine (30%); Medical-Theoretical Sciences, Pharmacy (60%)

keywords: Cerebral Malaria,; Adenosine 2A Receptor (A2Ar) Function; Candidate Driver Of Ecm Pathology; A2AR antagonist as adjunctive therapy for cerebral

### **PAT 7129523 NCT for therapy and prophylaxis of airborne mycoses**

project lead: NAGL Markus  
university / research place: Institute of Hygiene and Medical Microbiology, Medical University of  
Innsbruck, Schöpfstr. 41, 6020 Innsbruck, Tyrol, Austria

lifetime: 01.01.2025 – 31.12.2028

science discipline:

Biology (60%); Health Sciences (10%); Medical-Theoretical Sciences, Pharmacy (30%)

keywords: Airborne Mycoses, N-chlorotaurine, Antiseptic, Antimycotic Therapy, Innate Immune System, Active Chlorine Compound

### **PAT 9292223 Role of the Nemo-like kinase in antitumor immunity**

project lead: GRUBER Thomas  
university / research place: Institute of Cell Genetics, Medical University of Innsbruck,  
Peter Mayr Str. 1a, 6020 Innsbruck, Tyrol, Austria

lifetime: 01.07.2024 – 30.06.2028

science discipline:

Medical-Theoretical Sciences, Pharmacy (100%)

keywords: Tumor immunity, T cell exhaustion, Nemo-like kinase

### **PAT 8455323 Mechanisms of enhancing skeletal muscle EC coupling by ERC1**

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

lifetime: 01.08.2024 – 31.07.2027

science discipline

Biology (20%);

Medical-Theoretical Sciences, Pharmacy (80%)

keywords: Excitation-Contraction Coupling, Skeletal Muscle, Voltage-Gated Calcium Channels, ERC1 (ELKS)

#### **PAT 5152823 Multi-ancestry LPA KIV-2 haplotype analysis and imputation**

project lead: COASSIN Stefan

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

lifetime: 15.07.2024 – 14.01.2028

science discipline

Biology (70%); Medical-Theoretical Sciences, Pharmacy (30%)

keywords: Lipoprotein(a), Genetics, Nanopore sequencing, Lp(a), Lipoproteins

#### **PAT 2555923 Maturation refinement of cochlear ribbon synapses**

project lead: VOGL Christian

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

lifetime: 01.06.2024 – 31.05.2027

science discipline

Biology (100%)

keywords: Ribbon Synapse, Glutamate Receptors, Developmental Refinement, Synapse Maturation

#### **PAT 4730323 Plasticity and Energy Adaptations in Cancer Cell Migration**

project lead: BASCHIERI Francesco

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

lifetime: 01.05.2024 – 30.04.2028

science discipline

Biology (70%);

Medical-Theoretical Sciences, Pharmacy (30%)

keywords: Endocytosis, Adhesion, Migration, Metabolism, Topography, Energy

#### **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: 01.05.2024 – 30.04.2028

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: 01.04.2024 – 31.03.2026

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: 01.08.2024 – 31.07.2028

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: 06.03.2023

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 PIDDosome in natural polyploidization**

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**

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 SATB2 project 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 – 30.09.2026

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 – 30.06.2026

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 – 30.09.2025

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 – 14.04.2025

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 – 05.01.2026

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 – 30.06.2025

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

### **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 – 14.01.2026

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 – 31.05.2026

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: LUSSEK 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

### **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 – 28.02.2025

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

### **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

### **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

### **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 – 30.09.2024

science discipline

100% 301 Medical-Theoretical Sciences, Pharmacy

keywords Protein Kinase N, Stroke, Neuroprotection