

## FWF - Projects

### 31662 Mitochondria & peroxisomes: new targets in AD

Project lead: MORENO-DUBRAC Sandrine  
University / research place: University Hospital for Dermatology, Venerology and Allergology,  
Innsbruck Medical University, Anichstr. 35, 6020 Innsbruck, Tyrol Austria  
decision board: 08.10.2018  
lifetime: approved  
science discipline  
55% 302 Clinical Medicine  
35% 106 Biology  
10% 301 Medical-Theoretical Sciences, Pharmacy  
keywords: Mitochondria, Atopic Dermatitis, Peroxisomes, Barr

### 31458 Studying an Lp(a) mutation in human RNA and liver organoids

project lead: COASSIN Stefan  
university / research place: Division of Genetic Epidemiology, Innsbruck Medical University,  
Schöpfstr. 41, 6020 Innsbruck, Tyrol, Austria  
decision board: 25.06.2018  
lifetime: 01.11.2018 – 30.04.2022  
science discipline  
60% 301 Medical-Theoretical Sciences, Pharmacy  
40% 106 Biology  
keywords: Lp(a) mutation, Lp(a), apo(a) isoforms, Lipoprotein(a), Lipoproteins

### 31383 The nuclear orphan receptor NR2F6 as cancer immune checkpoint

project lead: BAIER Gottfried  
university / research place: Division of Cell Genetics, Innsbruck Medical University, Schöpfstr. 41,  
6020 Innsbruck, Tyrol, Austria  
decision board: 07.05.2018  
lifetime: 01.09.2018 – 31.08.2022  
science discipline  
80% 301 Medical-Theoretical Sciences, Pharmacy  
20% 302 Clinical Medicine  
keywords innovative immune-based cancer therapy concept, alternative immune checkpoint, CD4+ and  
CD8+ CTL effector T cells, Immunooncology, transcriptional repressor, orphan nuclear receptor NR2F6

### 31377 Chromatin Regulation by CHD1 in Metabolism and Aging

project lead: LUSSER Alexandra

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

decision board: 05.03.2018

lifetime: 01.05.2018 – 30.04.2022

science discipline

100% 106 Biology

keywords Drosophila melanogaster, ATP-dependent chromatin remodelling, aging, lifespan, metabolism, insulin/TOR pathways

### 31122 Stromal Nox4 -derived ROS signaling in prostate cancer

project lead: SAMPSON Natalie

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

decision board: 24.07.2018

lifetime: 03.08.2018 – 02.08.2022

science discipline

100% 301 Medical-Theoretical Sciences, Pharmacy

keywords: Nox4, reactive oxygen species, cancer-associated fibroblast, stroma

### 31093 Novel 5-Flucytosine Based Antifungal Therapeutics

project lead: GSALLER Fabio

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

decision board: 05.03.2018

lifetime: approved

science discipline

100% 106 Biology

keywords 5-flucytosine, antifungal resistance, aspergillosis, Aspergillus fumigatus, gene regulation, drug development

### 31085 Preclinical evaluation of PKN1 as stroke-target

project lead: BAIER-BITTERLICH Gabriele

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

decision board: 05.03.2018

lifetime: 01.10.2018 – 30.09.2022

science discipline

100% 301 Medical-Theoretical Sciences, Pharmacy

keywords Protein Kinase N, Stroke, Neuroprotection

### 30924 Modified Siderophores for "Theranostics" of Aspergillosis

project lead: DECRISTOFORO Clemens  
university / research place: University Hospital for Nuclear Medicine, Innsbruck Medical University,  
Anichstraße 35, 6020 Innsbruck, Tyrol, Austria

decision board: 02.10.2017

lifetime: 01.02.2018 – 31.01.2022

science discipline

50% 302 Clinical Medicine

35% 303 Health Sciences

15% 301 Medical-Theoretical Sciences, Pharmacy

keywords Siderophores, Theranostics, Aspergillus fumigatus, Gallium-68, PET, MirB

### 30809 DynChomiR

project lead: KUMMER Kai  
university / research place: Division of Physiology, Innsbruck Medical University, Schöpfstr. 41,  
6020 Innsbruck, Tyrol, Austria

decision board: 27.11.2017

lifetime: 01.02.2018 – 31.01.2021

science discipline

70% 302 Clinical Medicine

30% 301 Medical-Theoretical Sciences, Pharmacy

keywords neuropathic pain, medial prefrontal cortex (mPFC), pain modulation, acetylcholine, microRNA

### 30800 AGMO: Impact on adipocyte differentiation

project lead: WATSCHINGER Katrin  
university / research place: Division of Biological Chemistry, Biocenter Innsbruck, Innsbruck Medical  
University, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria

decision board: 02.10.2017

lifetime: 01.12.2017 – 30.11.2021

science discipline

100% 301 Medical-Theoretical Sciences, Pharmacy

keywords alkylglycerol monooxygenase, adipocytes, cell differentiation, ether lipids, cellular signaling

### 30779 Modulation of inflammation in epilepsy

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

decision board: 22.01.2018

lifetime: 01.06.2018 – 30.11.2021

science discipline

100% 301 Medical-Theoretical Sciences, Pharmacy

keywords: Epilepsy, epileptogenesis, antiinflammatory drugs, toll-like receptor, kainic acid, Interleukin-1

### 30592 Targeting the Kappa Opioid System to Treat TLE

project lead: SCHWARZER Christoph  
university / research place: Institute of Pharmacology, Innsbruck Medical University,  
Peter-Mayr-Str. 1a, 6020 Innsbruck, Tyrol, Austria  
decision board: 21.09.2017  
lifetime: 15.03.2018 – 14.09.2021  
science discipline:  
100% 301 Medical-Theoretical Sciences, Pharmacy  
keywords: Temporal lobe epilepsy, Kappa Opioid Receptor, Gene Therapy, recombinant AAV, DREADD

### P 30489 Is there a code behind the code?

project lead: ERLACHER Matthias  
university / research place: Division of Genomics and RNomics, Biocenter Innsbruck, Innsbruck  
Medical University, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria  
decision board: 21.09.2017  
lifetime: 01.11.2017 – 31.10.2020  
science discipline  
100% 106 Biology  
keywords: decoding, ribosome, protein synthesis, mRNA modifications

### 30430 Modulation of the Kappa Opioid System in TLE

project lead: SCHWARZER Christoph  
university / research place: Institute of Pharmacology, Innsbruck Medical University,  
Peter-Mayr-Str. 1a, 6020 Innsbruck, Tyrol, Austria  
decision board: 04.07.2017  
lifetime: 07.08.2017 – 06.02.2021  
science discipline  
90% 301 Medical-Theoretical Sciences, Pharmacy  
10% 106 Biology  
keywords: temporal lobe epilepsy, Kappa opioid receptor, biased agonists, diphenethylamines

### 30402 Regulation of voltage-sensitivity of CaV1 calcium channels

project lead: FLUCHER Bernhard E.  
university / research place: Division of Physiology, Innsbruck Medical University, Schöpfstr. 41,  
6020 Innsbruck, Tyrol, Austria  
decision board: 08.05.2017  
lifetime: 01.01.2018 – 31.12.2020  
science discipline  
50% 106 Biology  
50% 301 Medical-Theoretical Sciences, Pharmacy  
keywords: voltage-dependent calcium channel, Ca<sup>2+</sup> channel, C

### 30324 Function of the A2A receptor-mediated IL-10 regulation

project lead: BAIER Gottfried  
university / research place: Division of Cell Genetics, Innsbruck Medical University, Schöpfstr. 41,  
6020 Innsbruck, Tyrol, Austria

decision board: 08.05.2017

lifetime: 01.07.2017 – 30.06.2021

science discipline

100% 301 Medical-Theoretical Sciences, Pharmacy

keywords: Inflammation and autoimmunity, adenosine A2A receptor (A2AR), IL-10 transcriptional regulation.

### 30263 Dynamics of the ESCRT machinery during MVB biogenesis

project lead: TEIS Davis  
university / research place: Division of Cell Biology, Biocenter Innsbruck, Innsbruck Medical  
University, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria

decision board: 06.03.2017

lifetime: 01.12.2017 -30.11.2020

science discipline

100% 106 Biology

keywords: endosomes, ESCRT, multivesicular bodies, organelle biogenesis

### 30214 3D nanoscopy of the immunological synapse

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

decision board: 06.03.2017

lifetime: 01.08.2017 – 31.07.2020

science discipline

40% 103 Physics, Astronomy

30% 301 Medical-Theoretical Sciences, Pharmacy

30% 106 Biology

keywords: microscopy, localization microscopy, immunology, single molecule tracking

### 30196 Unraveling miR-15 function in health and disease

project lead: HERZOG Sebastian  
university /research place: Division of Developmental Immunology, Biocenter Innsbruck,  
Innsbruck Medical University, Innrain 80-82, 6020 Innsbruck, Tyrol,  
Austria

decision board: 06.03.2017

lifetime: 01.09.2017 – 28.02.2021

science discipline

80% 301 Medical-Theoretical Sciences, Pharmacy

20% 106 Biology

keywords: hematopoiesis, immunity, microRNA, lymphocytes, cancer

### **30194 Molecular regulation of the oncogenic miR-17-92 cluster**

project lead: HERZOG Sebastian

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

decision board: 06.03.2017

lifetime: 01.04.2017 – 31.03.2021

science discipline

90% 106 Biology

10% 301 Medical-Theoretical Sciences, Pharmacy

keywords: miR-15 family, miR-17-92 cluster, CRISPR/Cas9, miRNA regulation, loss-of-function screen

### **29952 Role of neurokinin B-expressing neurons in the bed nucleus of the stria terminalis**

project lead: TASAN Ramon Osman

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

decision board: 28.11.2016

lifetime: 01.07.2017 – 30.06.2020

science discipline

100% 301 Medical-Theoretical Sciences, Pharmacy

keywords: Neuropeptides, Neurokinin B, Fear conditioning, Amygdala, BNST, Neuronal circuitries

### **P 29936 Direct measurement of optical torque**

project lead: THALHAMMER Gregor

university / research place: Division of Biomedical Physics, Innsbruck Medical University,  
Müllerstrasse 44, 6020 Innsbruck, Tyrol, Austria

decision board: 08.05.2017

lifetime: 01.12.2017 – 30.11.2021

science discipline

90% 103 Physics, Astronomy

10% 106 Biology

keywords: optical tweezers, force measurement, torque measurement

### **29919 Targeting of skin dendritic cells to improve vaccination**

project lead: ROMANI Nikolaus

university / research place: University Hospital for Dermatology, Venerology and Allergology,  
Innsbruck Medical University, Anichstr. 35, 6020 Innsbruck, Tyrol Austria

decision board: 06.03.2017

lifetime: 01.05.2017 – 30.04.2021

science discipline

70% 301 Medical-Theoretical Sciences, Pharmacy

30% 302 Clinical Medicine

keywords: dendritic cells, Langerhans cells, skin, immunotherapy, vaccination, antigen targeting

#### **29671 Extremophiles - an innovative source for biactive compounds**

project lead: GOSTNER Johanna (national research partner)

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

decision board: 03.10.2016

lifetime: 01.03.2017 – 29.02.2020

science discipline

60% 106 Biology

20% 301 Medical-Theoretical Sciences, Pharmacy

20% 104 Chemistry

keywords: Extremophiles, Natural products analysis, Bioactivity, Phytochemistry, Skin

#### **29583 Mechanism of nutrient dependent plasma membrane remodeling**

project lead: TEIS David

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

decision board: 27.06.2016

lifetime: 01.12.2016 – 30.11.2019

science discipline

100% 106 Biology

keywords: endocytosis, ubiquitin, signaling, metabolism

#### **P29551 Closing the crucial genetic gap in plasmalogen biosynthesis**

project lead: WERNER Ernst R.

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

decision board: 27.06.2016

lifetime: 01.08.2016 – 31.07.2019

science discipline

100% 301 Medical-Theoretical Sciences, Pharmacy

keywords: Plasmalogen, Orphan enzyme, Plasmalogen, Ether lipid

#### **29514 Regularization Techniques in Learning with Big Data**

project lead: PEREVERZEV Sergiy

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

decision board: 03.10.2016

lifetime: 28.01.2017 – 27.01.2020

science discipline

100% 101 Mathematics

keywords regularized learning algorithm, big data, Nyström subsampling, distributed learning, regularized aggregation, semi-supervised learning

#### **29499 Cell death control on extended mitotic arrest**

project lead: VILLUNGER Andreas

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

decision board: 27.06.2016

lifetime: 01.12.2016 – 30.11.2019

science discipline

90% 301 Medical-Theoretical Sciences, Pharmacy

10% 106 Biology

keywords: Cell death, Tumor therapy, Bcl2 family, Breast cancer, Mitosis, Ubiquitin

#### **29457 Breast CSC sensitivity to particle beam radiation**

project lead: SKVORTSOVA Ira-Ida

university / research place: University Hospital for Radiotherapy and Radiation Oncology, Innsbruck Medical University, Anichstrasse 35, 6020 Innsbruck, Tyrol, Austria

decision board: 27.06.2016

lifetime: 01.10.2016 – 30.09.2019

science discipline

35% 302 Clinical Medicine

35% 301 Medical-Theoretical Sciences, Pharmacy

30% 106 Biology

keywords: breast cancer, photon radiation therapy, radiation resistance, cancer stem cells, ion beam radiation therapy, molecular signaling

#### **29379 Epithelial GPX4 in the control of intestinal homeostasis**

project lead: ADOLPH Timon

university / research place: University Hospital for Internal Medicine I, Innsbruck Medical University Anichstrasse 35, 6020 Innsbruck, Tyrol, Austria

decision board: 09.05.2016

lifetime: 01.08.2016 – 31.09.2019

science discipline

60% 301 Medical-Theoretical Sciences, Pharmacy

40% 302 Clinical Medicine

keywords: mucosal immunology, intestinal epithelial cell, glutathione peroxidase 4, intestinal inflammation

### 28975 Structure of the Neurofibromatosis Type 1 Protein

project lead: SCHEFFZEK Klaus  
university / research place: Division of Biological Chemistry, Biocenter, Innsbruck, Innsbruck Medical University, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria  
decision board: 30.11.2015  
lifetime: 01.03.2016 - 28.02.2019  
science discipline  
40% 105 Geosciences  
30% 103 Physics, Astronomy  
15% 301 Medical-Theoretical Sciences, Pharmacy  
15% 104 Chemistry  
keywords: Structural Biology, Biomolecular Crystallography, Signal Transduction, Cancer Development, Rare Diseases, Cryo Electron Microscopy

### 28923 Novel role of the ectonucleotidase CD39

project lead: THURNHER Martin  
university / research place: University Hospital for Urology, Innsbruck Medical University, Anichstrasse 35, 6020 Innsbruck, Tirol, Österreich  
decision board: 29.02.2016  
lifetime: 01.04.2016 - 31.07.2019  
science discipline  
100% 301 Medical-Theoretical Sciences, Pharmacy  
keywords: CD39, gammadelta T cells, isoprenoids, mevalonate metabolism, purinergic signaling, innate immunity

### 28909 Sprouty2 and receptor tyrosine kinase trafficking

project lead: HAUSOTT Barbara  
university / research place: Division of Neuroanatomy, Innsbruck Medical University, Müllerstrasse 59, 6020 Innsbruck, Tyrol, Austria  
decision board :29.02.2016  
lifetime: 01.07.2016 - 30.06.2019  
science discipline  
100% 301 Medical-Theoretical Sciences, Pharmacy  
keywords: Sprouty2, Fibroblast growth factor, Epidermal growth factor, Nerve growth factor, Sensory neurons, Glioma cells

### 28817 Smooth muscle specific role of SDF-1 in cell recruitment and cardiac repair after myocardial ischemia

project lead: ZARUBA Marc Michael  
university / research place: University Hospital for Internal Medicine III, Innsbruck Medical University Anichstrasse 35, 6020 Innsbruck, Tyrol, Austria  
decision board: 30.11.2015

lifetime: 01.02.2016 – 31.01.2021

science discipline

100% 302 Clinical Medicine

keywords: cardiac regeneration, SDF-1/CXCR4, stem cell homing, knock-out, myocardial ischemia

#### 28769 Alkylglycerol Monooxygenase in Dictyostelium discoideum

project lead: WERNER Ernst R.

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

decision board: 05.10.2015

lifetime: 01.12.2015 - 30.11.2018

science discipline

100% 301 Medical-Theoretical Sciences, Pharmacy

keywords: Alkylglycerol Monooxygenase, Dictyostelium Discoideum, Ether Lipid, Tetrahydrobiopterin

#### 28694 NR2f6 governs immune defense against microbial pathogens

project lead: KLEITER Natascha

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

decision board: 30.11.2015

lifetime: 01.02.2016 - 31.01.2020

science discipline

50% 106 Biology

50% 301 Medical-Theoretical Sciences, Pharmacy

keywords: Immune System, Nuclear orphan receptor, TCR signaling, CD8 T cell, naive/effector/memory/ cell differentiation, Infection

#### 28611 NIPPS

project lead: KRESS Michaela

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

decision board: 30.11.2015

lifetime: 01.03.2016 – 31.12.2019

science discipline

70% 302 Clinical Medicine

30% 301 Medical-Theoretical Sciences, Pharmacy

keywords: microRNA, Chronic pain, Post-operative pain, Neurobiology of pain, Neuroimmune signals, Anesthesiology

#### **28494 MORDOR-Modified mRNAs as Dynamic Operations for Ribosomes**

project lead: ERLACHER Matthias  
university / research place: Division of Genomik and RNomik, Biocenter Innsbruck, Medical University, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria  
decision board: 05.11.2015  
lifetime: 01.01.2016 - 31.12.2018  
science discipline  
100% 106 Biology  
keywords: Translation, mRNA, Modifikationen, Ribosom

#### **28393 Structure guided functional analysis of human afamin**

project lead: RUPP Bernhard  
university / research place: Division of Genetic Epidemiology, Innsbruck Medical University, Schöpfstraße 41, 6020 Innsbruck, Tyrol, Austria  
decision board: 05.10.2015  
lifetime: 01.01.2016 - 31.08.2019  
science discipline  
100% 106 Biology  
keywords: Afamin, Protein Structure, X-ray Crystallography, Transport, Metabolic Syndrome

#### **P28302 TAM iron metabolism impacts on breast cancer biology**

project lead: THEURL Igor Maximilian  
university / research place: University Hospital for Internal Medicine VI, Innsbruck Medical University, Anichstrasse 35, 6020 Innsbruck, Tyrol, Austria  
decision board: 22.06.2015  
lifetime: 01.09.2015 – 28.02.2019  
science discipline  
50% 302 Clinical Medicine  
50% 301 Medical-Theoretical Sciences, Pharmacy  
keywords: Tumor associated macrophage, iron, immunity, ferroportin, monocyte, breast cancer

#### **P28039 PPAR and Epidermal Eicosanoid Metabolism and cutaneous Function**

project lead: MORENO-DUBRAC Sandrine  
university / research place: University Hospital for Dermatology and Venerology, Innsbruck Medical University, Anichstrasse 35, 6020 Innsbruck, Tyrol, Austria  
decision board: 26.05.2015  
lifetime: 01.07.2015 - 31.07.2019  
science discipline  
50% 302 Clinical Medicine  
25% 301 Medical-Theoretical Sciences, Pharmacy  
25% 106 Biology  
keywords: PPAR, Eicosanoids, Skin, Barrier, Lipids, Ichthyosis

**P 27852 Does social interaction reward have an anti-stress effect?**

project lead: EL RAWAS Rana  
university / research place: University Hospital for General and Social Psychiatry, Innsbruck Medical University, Anichstrasse 35, 6020 Innsbruck, Tyrol, Austria  
decision board: 02.03.2015  
lifetime: 01.04.2015 – 31.12.2018  
science discipline  
50% 106 Biology  
50% 301 Medical-Theoretical Sciences, Pharmacy  
keywords: Addiction, Stress, Conditioned place preference, Social interaction, Therapy, Reward

**27844 Enhanced CCK2R targeting for theragnostic use in nuclear medicine**

project lead: VON GUGGENBERG ZU RIEDHOFEN Elisabeth  
university / research place: University Hospital for Nuclear Medicine, Innsbruck Medical University, Anichstrasse 35, 6020 Innsbruck, Tyrol, Austria  
decision board: 26.05.2015  
lifetime: 01.09.2015 – 31.08.2020  
science discipline  
75% 301 Medical-Theoretical Sciences, Pharmacy  
25% 104 Chemistry  
keywords: peptides, theragnostics, radionuclides, cholecystokinin receptors, receptor targeting, medullary thyroid carcinoma

**P27543 Allergenic Lipocalins shape dendritic cells to induce TH2 immune responses**

project lead: HEUFLER-TIEFENTHALER Christine  
university / research place: University Hospital for Dermatology and Venerology, Innsbruck Medical University, Anichstrasse 35, 6020 Innsbruck, Tyrol, Austria  
decision board: 06.10.2014  
lifetime: 01.07.2015 - 30.06.2020  
science discipline  
50% 301 Medical-Theoretical Sciences, Pharmacy  
30% 302 Clinical Medicine  
20% 106 Biology  
keywords: dendritic cells, formyl peptide receptors, lipocalins, allergy

**P 27408 In search of novel human lipocalin receptors**

project lead: REDL Bernhard  
university / research place: Division of Molecular Biology, Biocenter Innsbruck, Innsbruck Medical University, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria  
decision board: 06.10.2014  
lifetime: 01.12.2014 – 31.05.2019  
science discipline

100% 106 Biology

keywords: Lipocalin, Transport, Receptor, Phage-display, Cross-linking, Surface plasmon resonance analysis

#### **P 27392 Structure-function link in the DHPR $\beta$ 1a for muscle motility**

project lead: GRABNER Manfred

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

decision board: 06.10.2014

lifetime: 01.11.2014 – 30.04.2019

science discipline

50% 301 Medical-Theoretical Sciences, Pharmacy

50% 106 Biology

keywords: Calcium channels, Channel subunit interaction, Excitation-contraction coupling, Skeletal muscle, Tetrad formation,  $\beta$ -subunit

#### **P 27228 Well-being and health of medical students and practitioners**

project lead: HÖFER Stefan

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

decision board: 23.06.2014

lifetime: 01.10.2014 - 30.11.2018

science discipline

90% 501 Psychology

10% 302 Clinical Medicine

keywords: well-being, health, medical students, positive psychology, work- and organizational psychology, medical curriculum

#### **P27116 HDL function and atherosclerosis**

project lead: RITSCH Andreas

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

decision board: 23.06.2014

lifetime: 01.01.2015 – 30.11.2019

science discipline

50% 301 Medical-Theoretical Sciences, Pharmacy

25% 302 Clinical Medicine

25% 106 Biology

keywords: atherosclerosis, HDL function, cardiovascular disease, reverse cholesterol transport, transgenic rabbit, inflammation

**P 27031 Role of Ca<sup>2+</sup> channels in AChR pre-patterning / neuromuscular junction development**

project lead: FLUCHER Bernhard E.  
university / research place: Division of Physiology, Innsbruck Medical University, Müllerstr. 44,  
6020 Innsbruck, Tyrol, Austria

decision board: 23.06.2014

lifetime: 01.01.2015 - 31.12.2018

science discipline

80% 301 Medical-Theoretical Sciences, Pharmacy

20% 106 Biology

keywords: Ca<sup>2+</sup> / calcium channel, neuromuscular junction, skeletal muscle, acetylcholine receptor,  
synapse formation

**P 27024 Cytosine methylation as a new mechanism to regulate long non-coding RNAs**

project lead: LUSSER Alexandra  
university / research place: Division of Molecular Biology, Biocenter Innsbruck, Innsbruck Medical  
University, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria

decision board: 12.09.2014

lifetime: 01.11.2014 - 31.10.2019

science discipline

85% 106 Biology

15% 104 Chemistry

keywords: RNA modification, Long non-coding RNA, 5-methylcytosine, N6-methyladenine, RNA  
methyltransferase

**P 27001 Dendritic cells between as bridge between innate and adaptive immunity in skin  
carcinogenesis**

project lead: STOITZNER Patrizia  
university / research place: University Hospital for Dermatology and Venerology, Innsbruck Medical  
University, Anichstraße 35, 6020 Innsbruck, Tyrol, Austria

decision board: 05.05.2014

lifetime: 01.07.2014 – 31.12.2018

science discipline

80% 301 Medical-Theoretical Sciences, Pharmacy

20% 302 Clinical Medicine

keywords: dendritic cells, carcinogenesis, langerhans cells, innate immunity, skin immunity , adaptive  
immunity

**P 26930 Validation and scoring of the EORTC CAT measures**

project lead: HOLZNER Bernhard  
university / research place: Department of Psychiatry and Psychotherapy, Innsbruck Medical  
University, Anichstraße 35, 6020 Innsbruck, Tyrol, Austria

decision board: 05.05.2014

lifetime: 15.06.2014 - 14.05.2018

science discipline

100% 302 Clinical Medicine

keywords: oncology, computer-adaptive testing, quality of life, patient-reported outcomes, validation, cancer

#### **P26892 Analysis of the TGF $\beta$ -receptor/Cbl-b pathway in autoimmunity and tumor immunity**

project lead: GRUBER Thomas

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

decision board: 02.03.2014

lifetime: 01.06.2014 – 31.05.2018

science discipline

75% 301 Medical-Theoretical Sciences, Pharmacy

25% 106 Biology

keywords: Transforming growth factor  $\beta$ , Immune regulation, Cbl-b, Autoimmunity, Smad7, Tumor immunity

#### **P 26886 Friedreich Ataxia Pathophysiology in iPSC-derived Human Neurons**

project lead: NAT Irina-Roxanna

university / research place: Institute of Neuroscience, Innsbruck Medical University, Innrain 66/3,  
6020 Innsbruck, Tyrol, Austria

decision board: 05.05.2014

lifetime: 01.06.2014 – 31.05.2018

science discipline

50% 302 Clinical Medicine

30% 106 Biology

20% 301 Medical-Theoretical Sciences, Pharmacy

keywords: human induced pluripotent stem cells, disease hallmarks, peripheral sensory neurons, cell-type specific pathophysiology, Friedreich ataxia, sensory neuronal development

#### **P 26856 The PIDosome in Cancer**

project lead: VILLUNGER Andreas

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

decision board: 05.05.2014

lifetime: 01.11.2014 - 31.10.2018

science discipline

90% 301 Medical-Theoretical Sciences, Pharmacy

10% 106 Biology

keywords: Cancer, PID, Caspases, Chk1, Apoptosis, p53

#### **P26799 Tumor-initiating cells and therapy resistance**

project lead: SANTER Frédéric R.  
university / research place: University Hospital for Urology, Innsbruck Medical University,  
Anichstraße 35, 6020 Innsbruck, Tyrol, Austria  
decision board: 02.03.2014  
lifetime: 01.07.2014 – 30.06.2019  
science discipline  
100% 301 Medical-Theoretical Sciences, Pharmacy  
keywords: prostate cancer, chemotherapy, tumor-initiating cells, resistance, radiotherapy

#### **P26682 Structure-Function analysis of the late endosomal LAMTOR complex**

project lead: HUBER Lukas A.  
university / research place: Division of Cell Biology, Biocenter Innsbruck, Innsbruck Medical  
University, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria  
decision board: 02.03.2014  
lifetime: 01.09.2014 - 31.12.2018  
science discipline  
80% 106 Biology  
20% 301 Medical-Theoretical Sciences, Pharmacy  
keywords: Signal transduction, Proliferation, Scaffolds, Protein complexes, Late endosomes

#### **P26680 Neuronal circuitries of the subiculum in epileptogenesis**

project lead: SPERK Günther  
university / research place: Institute of Pharmacology, Innsbruck Medical University, Peter Mayr-  
Straße 1a, 6020 Innsbruck, Tyrol, Austria  
decision board: 02.12.2013  
lifetime: 10.01.2014 - 09.12.2018  
science discipline  
100% 301 Medical-Theoretical Sciences, Pharmacy  
keywords: epilepsy, parvalbumin, subiculum, calretinin, AAV vectors, epileptogenesis

#### **P26660 A genome-wide approach to evaluate the genetic basis of lipoprotein(a)**

project lead: LAMINA Claudia  
university / research place: Division of Genetic Epidemiology, Innsbruck Medical University,  
Schöpfstraße 41, 6020 Innsbruck, Tyrol, Austria  
decision board: 02.12.2013  
lifetime: 01.02.2014 – 31.01.2019  
science discipline  
55% 301 Medical-Theoretical Sciences, Pharmacy  
45% 106 Biology  
keywords: lipoprotein(a), gene-environment interaction, apo(a) isoforms, genome-wide association

#### **P26356 VEGF and neuropeptides in experimental choroidal neovascularization**

project lead: TROGER Josef  
university / research place: University Hospital for Ophthalmology and Optometry, Innsbruck Medical University, Anichstraße 35, 6020 Innsbruck, Tyrol, Austria

decision board: 02.12.2013

lifetime: 01.06.2014 – 31.05.2019

science discipline

70% 302 Clinical Medicine

30% 301 Medical-Theoretical Sciences, Pharmacy

keywords: laser-induced CNV, substance P, mice, secretoneurin, VEGF, neuropeptide Y

#### **P26117 Relevance of platelets and complement for the pathogenesis of invasive fungal infections**

project lead: SPETH Cornelia  
university / research place: Division of Hygiene und Medical Microbiology, Innsbruck Medical University, Schöpfstraße 41, 6020 Innsbruck, Tyrol, Austria

decision board: 30.09.2013

lifetime: 01.01.2014 – 31.12.2018

science discipline

60% 301 Medical-Theoretical Sciences, Pharmacy

40% 303 Health Sciences

keywords: Invasive Fungal Infections, Host Defence, Pathogenesis, Thrombocytes, Complement System, Aspergillos, Mucormycosis

#### **P26002 Analyses of the role of PRK1 in neuroprotection**

project lead: BAIER-BITTERLICH Gabriele  
university / research place: Division of Neurobiochemistry, Biocenter Innsbruck, Innsbruck Medical University, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria

decision board: 06.05.2013

lifetime: 01.10.2013 - 30.09.2018

science discipline

100% 301 Medical-Theoretical Sciences, Pharmacy

keywords: protein kinase c-related kinase, neuroprotection, hypoxia, purine nucleosides, ischemia, signal transduction

#### **P25978 Characterization of heme metabolism and regulation in *Aspergillus fumigatus***

project lead: HAAS Hubertus  
university / research place: Division of Molecular Biology, Biocenter Innsbruck, Innsbruck Medical University, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria

decision board: 24.06.2013

lifetime: 01.01.2014 - 31.12.2018

science discipline

80% 106 Biology

20% 303 Health Sciences

keywords: heme, regulation, iron, virulence, *Aspergillus fumigatus*, hypoxia

**P25894 Hunting for new antifungal strategies: the antifungal protein PAF**

project lead: MARX-LADURNER Florentine

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

decision board: 06.05.2013

lifetime: 01.10.2013 – 30.09.2018

science discipline

70% 106 Biology

30% 304 Medical Biotechnology

keywords: Antifungal Protein, Mutated Protein Variants, NMR, Plasma Membrane Interactions, Insect Mini-Host Model