

## FWF - Projects

### 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

### 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 Innsbruck, 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 Innsbruck, 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

### 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 bioactive 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 Plasmanylethanolamine desaturase, Orphan enzyme, Plasmalogen, Ether lipid

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

project lead: VILLUNGER Andreas  
university / research place: Division of Developmental Immunology, Biocenter Innsbruck, Innsbruck Medical University Innsbruck, 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, Medical University Innsbruck, 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, Anichstrasse 35, 6020 Innsbruck, Tyrol, Austria

decision board: 09.05.2016

lifetime: 01.08.2016 – 31.07.2019

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, Medical University of Innsbruck, 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, Anichstrasse 35,  
6020 Innsbruck, Tyrol, Austria

decision board: 30.11.2015

lifetime: 01.02.2016 - 31.01.2019

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, Medical  
University Innsbruck, 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, Medical University Innsbruck,  
Peter-Mayr-Str. 1a, 6020 Innsbruck, Tyrol, Austria

decision board: 30.11.2015

lifetime: 01.02.2016 - 31.01.2019

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, Medical University Innsbruck,  
Schöpfstr. 41, 6020 Innsbruck, Tyrol, Austria

decision board: 30.11.2015

lifetime: 01.03.2016 - 28.02.2019

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 Ribosoms**

project lead: ERLACHER Matthias  
university / research place: Division of Genomik and RNomik, Biocenter Innsbruck, Medical University Innsbruck, 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 - 31.12.2018

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, Medical University Innsbruck, Anichstrasse 35, 6020 Innsbruck, Tyrol, Austria

decision board: 22.06.2015

lifetime: 01.09.2015 - 31.08.2018

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 - 31.07.2018

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 – 31.12.2017

science discipline

50% 106 Biology

50% 301 Medical-Theoretical Sciences, Pharmacy

keywords Addiction, Stress, Conditioned place preference, Social interaction, Therapy, Reward

#### **27844 Optimizing CCK2R targeting for theragnostic nuclear medicine**

project lead: VON GUGGENBERG 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 - 30.09.2018

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 - 30.06.2018

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 - 30.11.2018

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 - 31.10.2017

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 - 30.11.2017

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 – 30.11.2018

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 - 31.10.2017

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 - 30.06.2018

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 - 14.01.2018  
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 - 30.11.2017  
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 Pathophysiologie 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 – 31.12.2017  
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 PIDDosome 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, PIDD, Caspasen, Chk1, Apoptose, p53

### **P 26820 The social status of motherhood in Bronze Age Europe**

project lead: PARSON Walther (national research partner)

university / research place: Institute of Forensic Medicine, Innsbruck Medical University,  
Müllerstr. 44, 6020 Innsbruck, Tyrol, Austria

decision board: 05.05.2014

lifetime: 01.01.2015 - 31.12.2017

science discipline

70% 601 History, Archaeology

30% 106 Biology

keywords motherhood, Bronze Age, childrearing, biological anthropology, social status, central Europe

### **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 – 30.09.2017

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 - 31.12.2017

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 - 09.02.2018

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 - 31.07.2017

science discipline

55% 301 Medical-Theoretical Sciences, Pharmacy

45% 106 Biology

keywords lipoprotein(a), gene-environment interaction, apo(a) isoforms, genome-wide association

### **P26362 Glucocorticoids and regulatory T cells**

project lead: WIEGERS Jan

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

decision board: 30.09.2013

lifetime: 01.11.2013 - 31.12.2017

science discipline

100% 106 Biology

keywords glucocorticoid, regulatory T-cells, autoimmunity, thymus, cell death

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

project lead: BECHRAKIS Nikolaos

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 – 31.05.2018

science discipline

70% 302 Clinical Medicine

30% 301 Medical-Theoretical Sciences, Pharmacy

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

### **P26251 Catestatin for the treatment of myocardial ischemia**

project lead: THEURL Markus

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

decision board: 24.06.2013

lifetime: 01.09.2013 - 31.08.2017

science discipline

70% 106 Biology

30% 302 Clinical Medicine

keywords gene therapy, therapeutic angiogenesis, neuropeptides, myocardial infarction, hypoxia, inflammation

#### **P26248 Social interaction as an alternative to cocaine**

project lead: ZERNIG Gerald

university / research place: University Hospital for General and Social Psychiatry, Innsbruck Medical University, Innrain 66a, 6020 Innsbruck, Tyrol, Austria

decision board: 02.12.2013

lifetime: 04.06.2014 - 03.06.2018

science discipline

35% 303 Health Sciences

35% 301 Medical-Theoretical Sciences, Pharmacy

30% 106 Biology

keywords substance use disorder, spine plasticity, social interaction, nucleus accumbens, cocaine, medium spiny neuron

#### **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 - 30.06.2018

science discipline

60% 301 Medical-Theoretical Sciences, Pharmacy

40% 303 Health Sciences

keywords Invasive Fungal Infections, Host Defence, Pathogenesis, Thrombocytes, Complement System, Aspergillus, 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

### **P25899 Novel <sup>68</sup>Ga/<sup>89</sup>Zr-chelators for targeted biomolecules in PET**

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

decision board: 06.05.2013

lifetime: 01.07.2013 - 30.09.2017

science discipline

60% 302 Clinical Medicine

25% 301 Medical-Theoretical Sciences, Pharmacy

15% 104 Chemistry

keywords molecular imaging, siderophores, <sup>68</sup>Ga, <sup>89</sup>Zr, bifunctional chelators, positron emission tomography

### **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

### **P25851 Role of neuropeptide Y in adult neurogenesis of the hippocampus**

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

decision board: 06.05.2013

lifetime: 01.11.2013 – 31.12.2017

science discipline

80% 301 Medical-Theoretical Sciences, Pharmacy

20% 305 Other Human Medicine, Health Sciences

Keywords Neuropeptide Y, Fear conditioning, Y2 receptors, Hippocampus, Adult neurogenesis, Interneurons

#### **P25404 Bioadhesion meets functional genomics in flatworms**

project lead: Herbert LINDNER (national research partner)

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

decision board: 25.11.2012

lifetime: 01.02.2013 - 31.11.2017

science discipline

85% 106 Biology

15% 103 Physics, Astronomy

keywords duo gland system, flatworms, adhesion, Biological adhesives, bio-inspired adhesives

#### **P25389 Deciphering the role of Th17 cells in HIV infection**

project lead: POSCH Wilfried

university / research place: Division of Hygiene und Medical Microbiology, Innsbruck Medical University, Fritz Pregl Straße 3, 6020 Innsbruck, Tyrol, Austria

decision board: 25.11.2012

lifetime: 01.03.2013 - 30.06.2017

science discipline

60% 301 Medical-Theoretical Sciences, Pharmacy

40% 303 Health Sciences

keywords Th17 cells, HIV, T cell subsets, restriction factors, dendritic cells

#### **P25345 Spingosine 1-phosphate induced ionic currents in nociceptors and acute pain**

project lead: KRESS Michaela

university / research place: Division of Physiology, Innsbruck Medical University, Fritz-Pregl-Str. 3, 6020 Innsbruck, Tyrol, Austria

decision board: 25.11.2012

lifetime: 01.02.2013 - 31.01.2018

science discipline

80% 301 Medical-Theoretical Sciences, Pharmacy

20% 106 Biology

keywords chloride channels, nociceptor excitation, nociceptor sensitisation, lipid mediators, inflammatory pain, postoperative pain

### **P25338 TLRs and innate immunity in spondyloarthritis: animal model and pathogenesis**

project lead: SCHIRMER Michael  
university / research place: University Hospital for Internal Medicine VI, Innsbruck Medical University, Anichstraße 35, 6020 Innsbruck, Tyrol, Austria  
decision board: 25.11.2012  
lifetime: 01.01.2013 - 31.12.2017  
science discipline  
60% 302 Clinical Medicine  
40% 301 Medical-Theoretical Sciences, Pharmacy  
keywords spondyloarthritis, Toll like receptor, animal model, infection, rheumatology, immunology

### **P24803 Histone deacetylases in fungi: novel functions**

project lead: GRÄSSLE Stefan  
university / research place: Division of Molecular Biology, Biocenter Innsbruck, Innsbruck Medical University, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria  
decision board: 07.05.2012  
lifetime: 02.07.2012 – 01.07.2017  
science discipline  
100% 106 Biology  
keywords Filamentous fungi, Drug resistance, Aspergillus, Generegulation, Secondary metabolism, Histone deacetylases

### **P24734 Platelets and cerebral amyloid angiopathy**

project lead: HUMPEL Christian  
university / research place: University Hospital for General and Social Psychiatry, Innsbruck Medical University, Anichstr. 35, 6020 Innsbruck, Tyrol, Austria  
decision board: 07.05.2012  
lifetime: 01.05.2013 - 30.04.2018  
science discipline  
100% 301 Medical-Theoretical Sciences, Pharmacy  
keywords Alzheimer, vascular risk factors, brain bleed, animal model, platelets, beta-amyloid

### **P24598 HIV infection and transmission close to reality**

project lead : WILFLINGSEDER Doris  
university / research place: Division of Hygiene und Medical Microbiology, Innsbruck Medical University, Fritz Pregl Straße 3, 6020 Innsbruck, Tyrol, Austria  
decision board: 05.03.2012  
lifetime: 01.06.2012 - 31.05.2017  
science discipline  
55% 301 Medical-Theoretical Sciences, Pharmacy  
45% 303 Health Sciences  
keywords HIV, Vaccination, Opsonization, Dendritic cell subtypes (LC, DC)