

FWF - Projects

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: approved
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

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: approved
science discipline
100% 301 Medical-Theoretical Sciences, Pharmacy
keywords: alkylglycerol monooxygenase, adipocytes, cell differentiation, ether lipids, cellular signalling

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: approved
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, Ca²⁺ 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: approved

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 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, 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 - 31.01.2019

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, 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 - 31.01.2019

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, Innsbruck Medical University,
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, 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, Innsbruck Medical
University, 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 – 31.12.2018

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 - 30.06.2018
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 β 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 - 31.10.2018
science discipline
50% 301 Medical-Theoretical Sciences, Pharmacy
50% 106 Biology
keywords: Calcium channels, Channel subunit interaction, Excitation-contraction coupling, Skeletal muscle, Tetrad formation, β -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 – 30.11.2018

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 Ca²⁺ 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: Ca²⁺ / 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: LUSSEK 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 - 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, pateint-reported outcomes, validation, cancer

P26892 Analysis of the TGF β -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 β , 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 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, 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 – 30.06.2019

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 - 09.02.2018

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 - 31.07.2018

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, 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

P25899 Novel 68Ga/89Zr-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 - 30.06.2018

science discipline

60% 302 Clinical Medicine

25% 301 Medical-Theoretical Sciences, Pharmacy

15% 104 Chemistry

keywords: molecular imaging, siderophores, 68Ga, 89Zr, 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 – 31.12.2017

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

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