

FWF - Projects

29617 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 Ribosomes

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 - 31.05.2017

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 - 30.11.2017

science discipline

100% 106 Biology

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

P 27392 Structure-function link in the DHP 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 - 31.10.2017

science discipline

50% 301 Medical-Theoretical Sciences, Pharmacy

50% 106 Biology

Keywords Calcium channels, Channel subunit interaction, Excitation-contraction coupling, Skeletal muscle, Tetrad formation, 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 - 30.11.2017

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 $^{2+}$ 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 - 31.01.2018

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: 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 - 30.06.2017

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 - 14.08.2017

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 - 31.05.2017

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 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 – 31.05.2017

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 - 31.10.2017

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 - 31.08.2017

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

P26673 Effects of long term weight loss on cellular aging reflected by leukocyte telomere length

project lead: LAIMER Markus

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

decision board: 02.12.2013

lifetime: 02.05.2014 – 01.02.2017

science discipline

80% 302 Clinical Medicine

10% 303 Health Sciences

10% 301 Medical-Theoretical Sciences, Pharmacy

Keywords weight loss, cellular aging, telomere length, bariatric surgery

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 - 31.12.2016
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 - 30.09.2017

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 - 31.12.2016

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 - 30.09.2017

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

P25869 BDNF-TrkB-Signaling in Head & Neck Cancer

project lead: DUDÁS József
university / research place: University Hospital for Otorhinolaryngology (ETN) Hearing, Speech and Voice Disorders, Innsbruck Medical University, Anichstraße 35, 6020 Innsbruck, Tyrol, Austria

decision board: 24.06.2013

lifetime: 01.09.2013 - 28.02.2017

science discipline

70% 106 Biology

30% 302 Clinical Medicine

Keywords extracellular matrix, tumor invasivity, squamous cell carcinoma, matrix adhesion, epithelial - to - mesenchymal transition, focal adhesion kinase

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

P25639 Functional significance of PIAS1 and BIRC5 in docetaxel resistant prostate cancer

project lead: PUHR Martin
university / research place: University Hospital for Urology, Innsbruck Medical University, Anichstraße 35, 6020 Innsbruck, Tyrol, Austria

decision board: 04.03.2013

lifetime: 01.08.2013 - 28.02.2017

science discipline

100% 301 Medical-Theoretical Sciences, Pharmacy

Keywords prostate cancer, PIAS1, chemotherapy, BIRC5, acquired docetaxel resistance

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 - 31.05.2017

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 - 28.02.2017

science discipline

60% 301 Medical-Theoretical Sciences, Pharmacy

40% 303 Health Sciences

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

P25375 Aberrant inhibition of fear: mechanisms and novel therapeutic approaches

project lead: FERRAGUTI Francesco (national research partner)

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

decision board: 25.11.2012

lifetime: 01.04.2013 - 31.03.2017

science discipline

100% 301 Medical-Theoretical Sciences, Pharmacy

Keywords fear extinction, 129S1/SvlmJ, functional mapping, microdialysis, extinction circuitry, tract-tracing

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

P25161 Alpha-Synuclein and oligodendroglia in MSA pathogenesis

project lead : STEFANOVA Nadia

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

decision board: 25.11.2012

lifetime: 01.01.2013 - 31.12.2016

science discipline

100% 302 Clinical Medicine

Keywords multiple system atrophy, glial cytoplasmic inclusions, pathogenesis, oligodendroglia, alpha-synuclein, cell-to-cell protein transfer

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

P24749 Heparin in diagnosis and therapy of anemia

project lead: THEURL Igor

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

decision board: 05.03.2012

lifetime: 01.01.2013 - 31.12.2016

science discipline

100% 302 Clinical Medicine

Keywords Heparin, LDN-193189, Anemia of chronic disease, ESA, chronic kidney disease, iron

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 : WILFLINGSIEDER 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 - 31.12.2016

science discipline

55% 301 Medical-Theoretical Sciences, Pharmacy

45% 303 Health Sciences

Keywords HIV, Vaccination, Opsonization, Dendritic cell subtypes (LC, DC)

P24541 Transmigration of monocytes into the brain in vivo

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: 05.03.2012

lifetime: 01.01.2013 - 31.12.2016

science discipline

100% 301 Medical-Theoretical Sciences, Pharmacy

Keywords transmigration, monocytes, nerve growth factor, acetylcholine, Alzheimer, spatial memory

P24367 Whole exome sequencing of patients with neuronal migration disorders

project lead: POEWE Werner (national research partner)
university / research place: University Hospital for Neurology, Innsbruck Medical University, Anichstr. 35, 6020 Innsbruck, Tyrol, Austria

Bewilligungsdatum: 04.12.2011

Beginn: 01.04.2012 - 31.03.2017

Wissenschaftsdisziplinen

50% 106 Biology

25% 302 Clinical Medicine

25% 301 Medical-Theoretical Sciences, Pharmacy

Keywords Whole exome, Periventricular nodular heterotopia, Neuronal Migration, Epilepsy, Cortical Malformations, Focal cortical dysplasia

P24251 Regulation of PRMT1 by multiple phosphorylations

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

decision board: 03.10.2011

lifetime: 01.12.2011 - 30.11.2016

science discipline

80% 106 Biology

20% 301 Medical-Theoretical Sciences, Pharmacy

P24031 Role of p27 tyrosine phosphorylation by BCR-Abl, JAK2-V617F and FLT3-ITD in tumor development

project lead: HENGST Ludger
university / research place: Biocenter Innsbruck, Innsbruck Medical University, Innrain 80-82, 6020 Innsbruck, Tyrol, Austria

decision board: 03.10.2011

lifetime: 15.01.2012 - 14.01.2017

science discipline

100% 301 Medical-Theoretical Sciences, Pharmacy

Keywords Cell Cycle Control, Cyclin-Dependent Kinase (CDK) Inhibitors, Tyrosine Kinases, Mouse