

Åke Wibergs Stiftelse Medicin 2018

| Nr       | Sökande                   | Kö<br>n | Åld<br>er | Org | Projekttitel   | Beviljat  |
|----------|---------------------------|---------|-----------|-----|--|-----------|
| M18-0159 | Swanberg, Maria           | K       | 48        | LU  | The role of MHCII and microglial activation in the pathogenesis of Parkinson's disease   | 1 000 000 |
| M18-0007 | Lager, Susanne            | K       | 47        | UU  | Reglering av barnets tillväxt under graviditeten   | 300 000   |
| M18-0009 | Ayoglu, Burcu             | K       | 41        | KTH | Mapping of sexually dimorphic, high-fat diet and estrogen treatment induced molecular alterations in brain's neuroimmune landscape | 300 000   |
| M18-0014 | Deng, Qiaolin             | K       | 46        | KI  | Migration towards the next generation-a better understanding of mammalian germ cells   | 300 000   |
| M18-0016 | Sartipy, Ulrik            | M       | 55        | KI  | Risk och prognos vid hjärtkirurgi - nationella registerstudier   | 300 000   |
| M18-0031 | Fors Connolly, Anne-Marie | K       | 46        | UmU | Studies of risk, underlying mechanisms and treatment of bleeding due a Swedish mild viral hemorrhagic fever                        | 300 000   |
| M18-0037 | Palm Apergi, Caroline     | K       | 47        | KI  | Development of a new treatment against pediatric leukemia  | 300 000   |
| M18-0039 | Bushell, Ellen            | K       | 45        | UmU | A systematic in vivo genetic analysis of parasite genes modulating pathogen-host interactions and pathology in malaria.            | 300 000   |
| M18-0050 | Lood, Rolf                | M       | 40        | LU  | RoxP – a novel enzyme involved in redox homeostasis produced by the human skin microbiota  | 300 000   |
| M18-0053 | Erttmann, Saskia          | K       | 42        | UmU | Inflammasomes as potential therapeutic targets during infection and inflammation   | 300 000   |
| M18-0061 | Nordenfelt, Pontus        | M       | 47        | LU  | Single-cell profiling of bacterial heterogeneity in the context of critical infections   | 300 000   |
| M18-0063 | Brauner, Susanna          | K       | 44        | KI  | Dissecting the pathogenesis of myasthenia gravis- a prototypical autoimmune disease  | 300 000   |
| M18-0093 | Enjin, Anders             | M       | 43        | LU  | Humidity sensing in mosquitos  | 300 000   |
| M18-0100 | Hanrieder, Jörg           | M       | 45        | GU  | Insights in Amyloid Pathogenicity Dynamics Underlying Alzheimer's disease  | 300 000   |
| M18-0108 | Gerling, Marco            | M       | 44        | KI  | The metastatic microenvironment of pancreatic cancer - clinicopathological and functional studies                                  | 300 000   |
| M18-0111 | Sehlin, Dag               | M       | 49        | UU  | Ökat hjärnupptag av antikroppar för effektiv behandling av Alzheimers sjukdom  | 300 000   |

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| M18-0112 | Du, Juan                   | K       | 41        | KI  | The communication between the microbiota and microRNAs in Human Papillomavirus (HPV) related diseases   | 300 000  |
| M18-0114 | Ujvari, Dorina             | K       | 49        | KI  | Analysis of the effects of soluble IL-33 receptor upregulation in in vitro decidualized human endometrial stromal cells by insulin or the combination of insulin and dihydrotestosterone on the function of key cellular players of endometrial receptivity | 300 000  |
| M18-0122 | Gopinath Kasetty, Gopinath | M       | 44        | GU  | MicroRNAs as predictive biomarkers of the adverse inflammatory effects induced by Ebola virus vaccine   | 300 000  |
| M18-0124 | Mutvei, Anders             | M       | 42        | UU  | Elucidating the role of amino acid signaling in lysosome biogenesis and cancer.   | 300 000  |
| M18-0125 | Andersson, Anna            | K       | 49        | LU  | Elucidating the role of tumor heterogeneity in infant leukemia  | 300 000  |
| M18-0132 | Falk Delgado, Anna         | K       | 41        | KI  | ZTE attenuation correction in neurosurgical patients with post-operative metal implants   | 300 000  |
| M18-0134 | Zhang, Huan                | K       | 43        | LiU | Construction and validation of multi-cellular models of rheumatoid arthritis for personalised medicine  | 300 000  |
| M18-0137 | Apro, William              | M       | 45        |     | Defining the molecular mechanisms behind anabolic resistance in Sarcopenic Obesity  | 300 000  |
| M18-0141 | Dagnell, Markus            | M       | 51        | KI  | Molecular mechanisms of redox signaling through protein tyrosine phosphatases   | 300 000  |
| M18-0146 | Idevall-Hagren, Olof       | M       | 44        | UU  | Regulation of beta cell function through its primary cilium   | 300 000  |
| M18-0151 | Holm, Frida                | K       | 40        | KI  | Sequencing based Predictors of the Mechanisms Behind the Malignant Onset and Relapse of Pediatric Acute Lymphoblastic Leukemia  | 300 000  |
| M18-0152 | Iovino, Federico           | M       | 40        | KI  | Brain cancer and bacterial meningitis: how to prevent bacterial penetration of the blood-brain barrier in patients with brain cancer.   | 300 000  |
| M18-0154 | Bexell, Daniel             | M       | 46        | LU  | Ny behandling mot metastaserande neuroblastom   | 300 000  |

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| M18-0176 | Canals Montferrer, Isaac | M       | 42        | LU  | Deciphering cell autonomous and non-autonomous neurodegenerative processes in lysosomal storage disorders                               | 300 000  |
| M18-0182 | Tammimies, Kristiina     | K       | 42        | KI  | Disrupted molecular pathways in neurodevelopmental disorders and their association with clinical outcomes                               | 300 000  |
| M18-0192 | Fernandez, Celine        | K       | 47        | LU  | SEEKING LIPID SIGNATURES TO IMPROVE CARDIOMETABOLIC DISEASE RISK PREDICTION   | 300 000  |
| M18-0193 | Hydbring, Per            | M       | 45        | KI  | Modulation of microRNAs in treatment-refractory lung adenocarcinoma   | 300 000  |
| M18-0198 | Olauson, Hannes          | M       | 43        | KI  | Defining the cell-specific response to acute kidney injury  | 300 000  |
| M18-0202 | Simonson, Oscar          | M       | 49        | UU  | Development of new strategies to prevent the progression of aortic valve disease  | 300 000  |
| M18-0209 | Dahlin, Joakim           | M       | 39        | KI  | Deciphering the transcriptional landscape in single neoplastic mast cells in systemic mastocytosis                                      | 300 000  |
| M18-0217 | Rodriguez-Vieitez, Elena | K       | 53        | KI  | Dynamics of imaging biomarkers from early preclinical stages of familial Alzheimer's disease: A longitudinal multi-center MRI/PET study | 300 000  |
| M18-0098 | gustafsson, nina         | K       | 42        | KI  | Targeted therapies at the crossroads of metabolism and the DNA damage response  | 291 000  |
| M18-0040 | Cheray, Mathilde         | K       | 40        | KI  | Exploiting the activation mechanism of glioma-induced microglia pro-tumoral phenotype to combat brain tumors                            | 290 000  |
| M18-0077 | Wanrooij, Paulina        | K       | 42        | UmU | Mechanisms that safeguard the mitochondrial genome and their role in cancer   | 290 000  |
| M18-0047 | Hagström, Hannes         | M       | 44        | KI  | TREatment of Nafld with two different Diets: TREND  | 280 000  |
| M18-0142 | Lind, Peter              | M       | 44        | UmU | Evolutionary forecasting of bacterial biofilm formation and multidrug resistance  | 270 000  |
| M18-0005 | Karin MODIG, Karin       | K       | 48        | KI  | Explaining the lack of improvement in survival after hip fracture in Sweden the past two decades.                                       | 250 000  |
| M18-0012 | Herold, Nikolas          | M       | 39        | KI  | Towards personalised precision chemotherapy by targeting antimetabolite resistance  | 250 000  |

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| M18-0021 | Neogi, Ujjwal          | M       | 41        | KI  | An epigenome-wide association study with blood plasma metabolic traits of inflamm-aging in people living with HIV (PLHIV)   | 250 000  |
| M18-0022 | Buggert, Marcus        | M       | 39        | KI  | Define the role of resident memory T cells in health and HIV disease  | 250 000  |
| M18-0029 | Schröder , Björn       | M       | 43        | UmU | How dietary modulation of the gut microbiota affects intestinal mucosal defence systems   | 250 000  |
| M18-0044 | Pircs, Karolina        | K       | 39        | LU  | Strategier riktade mot autofagi för behandling av Huntingtons sjukdom   | 250 000  |
| M18-0069 | Landegren, Nils        | M       | 39        | KI  | Könskonträr hormonbehandling som modellsystem för att förstå orsaker bakom könsskillnader vid autoimmun sjukdom   | 250 000  |
| M18-0082 | Nilvebrant, Johan      | M       | 43        | KTH | Designade affinitetsverktyg för framtidens strukturbio-logiska verktygslåda   | 250 000  |
| M18-0094 | Kreslavskiy, Taras     | M       | 45        | KI  | Transcription factor Bhlhe40 in the control of humoral immune responses and autoimmunity  | 250 000  |
| M18-0168 | Hultqvist, Greta       | K       | 44        | UU  | Protein engineering that enables immunotherapy to reach the dementia target- fortsättningsansökan   | 250 000  |
| M18-0169 | Tan, Xiao              | M       | 37        | UU  | Cardio-metabolic consequences of sleep loss in metabolically unhealthy humans   | 250 000  |
| M18-0207 | Kultima, Kim           | M       | 49        | UU  | Novel markers for improved diagnosis of Alzheimer's disease and Multiple Sclerosis  | 240 000  |
| M18-0216 | Prasad Bokkasa, Rashmi | K       | 45        | LU  | Parent-of-origin effects, pancreatic islet development and fetal programming  | 240 000  |
| M18-0045 | Norlin, Nils           | M       | 46        | LU  | Emerging Imaging and Molecular Profiling Techniques for Studies in Cell-, Developmental- and Molecular Neurobiology - Microglia in the healthy and the diseased brain | 230 000  |
| M18-0019 | Engdahl, Cecilia       | K       | 42        | GU  | The Effect of antibodies on Bone  | 219 000  |

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| M18-0013 | Anders Näsman, Anders              | M       | 42        | Kus      | DIFFERENCES IN EXPRESSION BETWEEN IN SITU AND INVASIVE HUMAN PAPILLOMAVIRUS POSTIVE AND NEGATIVE TONSILLAR AND BASE OF TONGUE SQUAMOUS CELL CARCINOMA. | 200 000  |
| M18-0023 | Esbjörner, Elin                    | K       | 47        | Chalmers | Prion-like propagation of ALS-protein TDP-43: mechanisms of cell transfer and role of disease-associated pathological mutations                        | 200 000  |
| M18-0056 | Neufeld, Janina                    | K       | 42        | KI       | Autism and Synesthesia: A Twin Study on Shared developmental Routes and Neuronal mechanisms  | 200 000  |
| M18-0060 | Heuer, Andreas                     | M       | 44        | LU       | Activity mapping of genetically defined cell populations   | 200 000  |
| M18-0070 | Rasmussen, Anders                  | M       | 42        | LU       | Beyond the Binary Neuron – The nature of graded neural signals and their behavioral implications   | 200 000  |
| M18-0076 | Sundling, Christopher              | M       | 42        | KI       | Unravelling the role of atypical B cells in infectious diseases  | 200 000  |
| M18-0091 | Sarshad, Aishe                     | K       | 44        | GU       | Exploring non-canonical miRNA pathways in the nucleus of stem cells  | 200 000  |
| M18-0110 | Farkas, Sanja                      | K       | 42        | OrU      | Epigenetiska förändringar i arvsmassan hos lungcancerpatienter med hjärnmetastaser   | 200 000  |
| M18-0120 | Holmqvist, Erik                    | M       | 48        | UU       | RNA-based regulation in Salmonella infections  | 200 000  |
| M18-0121 | Svitorka Hartlova, Anetta          | K       | 43        | GU       | Investigating the role and mechanisms of exosome-mediated inflammation in Lewy body disease associated with Glucocerebrosidase mutations.              | 200 000  |
| M18-0126 | Gallant, Caroline                  | K       | 48        | UU       | Gene regulation during dynamic cellular processes at single cell resolution  | 200 000  |
| M18-0129 | Kular, Lara                        | K       | 41        | KI       | Applied epigenetics: a step towards personalized medicine in neurological and psychiatric disorders  | 200 000  |
| M18-0167 | Diaz Gallo Norlén, Lina<br>Marcela | K       | 42        | KI       | Single-cell profiling of T cells from idiopathic inflammatory myopathies patients  | 200 000  |
| M18-0183 | Marquardt, Nicole                  | K       | 44        | KI       | Role and manipulation of human lung NK cells in influenza infection  | 200 000  |
| M18-0185 | Cansby, Emmelie                    | K       | 40        | GU       | Proteinet STK25 - kopplingen mellan fettlever och hjärtkärlsjukdomar?  | 200 000  |

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| M18-0188 | Agholme, Lotta        | K       | 44        | GU  | The endosomal role in Amyloid beta production and secretion in healthy and Alzheimer-diseased human neurons                                     | 200 000           |
| M18-0190 | Joly, Anne-Laure      | K       | 41        | KI  | Harnessing the functions of Regulatory T-cells with auto-antigen specificity in Rheumatoid Arthritis.   | 200 000           |
| M18-0200 | Brauner, Hanna        | K       | 47        | KI  | Autoimmunity and lymphoma – studies on pathogenesis, prognostic factors and immune surveillance   | 200 000           |
| M18-0212 | Spiegelberg, Diana    | K       | 43        | UU  | Overcome cisplatin resistance by treatment with the novel HSP90 inhibitor Onalespib in head and neck cancer                                     | 200 000           |
| M18-0214 | FEMENIA CANTO, TERESA | K       | 43        | KI  | Role of toll-like receptors signalling in the brain immune-metabolic crosstalk and the mechanisms underlying cognitive and emotional responses. | 200 000           |
| M18-0073 | Nerstedt, Annika      | K       | 65        | GU  | Molecular pathogenesis of chronic kidney disease  | 100 000           |
|          |                       |         |           |     |   | <b>21 000 000</b> |