

Magnus Ehrnroothin säätiö - Magnus Ehrnrooths stiftelse - The Magnus Ehrnrooth Foundation**Myönnetyt apurahat 2021 - Beviljade stipendier 2021 - Grants awarded in 2021****1 900 190 €****Tähtitiede - Astronomi - Astronomy****48 000 €****Tohtorikoulutus - Forskarutbildning - Doctoral studies**

48 000 €

Björklund Irene

24000 Classification and evolution of Narrow-line Seyfert 1 galaxies

Moran Shane

24000 The goal is to use astronomical transient surveys to detect and analyse phenomena such as supernovae.

Matematiikka - Matematik - Mathematics**156 240 €****Tohtorikoulutus - Forskarutbildning - Doctoral studies**

72 000 €

Karjalainen Joonas

12000 Structure and estimation of large random intersection graphs and stochastic block models

Rainio Oona

24000 Metrinen avaruuksien intrinsinen geometria

Weigt Julian

24000 Regularity of Maximal Operators

Wirzenius Henrik

12000 Kompakta och approximerbara operatorer i Banachrum utan approximationsegenskapen

Postdoc

58 000 €

Miihkinen Santeri

14500 Spectral properties of concrete operators on analytic function spaces

Siltakoski Jarkko

14500 Säännöllisyysteoriaa ja ekvivalenssikysymyksiä parabolisille ja elliptisille yhtälöille

Stenlund David

29000 Vistelsetider och träfftider för Markovprocesser i diskret och kontinuerlig tid

Tutkimus - Forskning - Research

15 000 €

Peltonen Kirsi

12500 Kirjahanke 'Aalto Math&Arts Picture Book'

Salminen Paavo

2500 Forskarbesök (Ernesto Mordecki och Pierre Vallois) till Åbo Akademi

Matkat - Resor - Travel

11 240 €

Istvan Prause

2600 Variational problems and limit shapes

Karrila Alex

2000 The six-vertex height field, coupled models, and conformal invariance (a research visit)

Miihkinen Santeri

2640 IWOTA 2021 conference participation

Takala Timo

4000 Tutkimusvierailu Kanadassa

Fysiikka - Fysik - Physics**451 550 €****Tohtorikoulutus - Forskarutbildning - Doctoral studies****388 000 €**

Bharthuar Shudhashil	24000	Development and quality assurance tests of timing detectors for the Phase-2 operation and position sensitive detectors for the future Tracker of the CMS experiment at the Large Hadron Collider in CERN
Dahl Jani	24000	Primordial gravitational waves from shocks and turbulence
Feyles Michele Maria	26000	I study ultra-cold gases to simulate open many-body quantum systems, and analyze the interplay between transport, spectral properties and thermalization.
Huhtinen Kukka-Emilia	24000	Superconductivity in multilayer moiré materials
Kangasaho Vilma	24000	Globaalinen metaanitaseen (CH ₄) mallintaminen ilmakehän inversiomallinnuksella hyödyntäen CH ₄ ja d ¹³ C-CH ₄ havaintoja
Kansanen Kalle	24000	Avointen kvanttisysteemien teoria valon ja aineen vahvassa kytkennässä
Löytäinen Topi	24000	Diffractional and semi-inclusive QCD processes in ultra-peripheral nuclear collisions at the LHC
Meder Melissa	26000	Molecular-level understanding of organic aerosol precursors in the atmosphere
Oinonen Niko	24000	Atomivoimamikroskooppikuvien tulkitseminen koneoppimisen avulla
Phung Hoy-My	24000	Advancing semiconductor membrane external-cavity surface-emitting lasers (MECSELS)
Piskunen Petteri	24000	UMOTEL - Yleistettävä molekyylikuvioitu litografia
Pranzini Nicola	24000	Dynamical Black Holes and Quantum Measurements: an observation-based approach to quantum gravity
Saarimäki Oskari	24000	Dijettien massan muutokset raskasioneitörmäyksissä ALICE-kokeen mittauksiin perustuen
Siltanen Olli	24000	Decoherence and reservoir engineering in linear optical systems
Statnaia Irina	24000	Understanding and improving sub-seasonal weather forecasts in Northern Hemisphere winter
Stolt Timo Aarre Uolevi	24000	Väitöskirjatyöhön "nonlinear optics using resonant metamaterials"

Postdoc**43 500 €**

Härkönen Ville	14500	First-Principles Theory of Superconductivity With Many-Body Green's Function Approach
Tsapenko Alexey	29000	Doping-dependent charge modulation in low-dimensional hybrid nanomaterials for tunable optoelectronics

Tutkimus - Forskning - Research**8 000 €**

Koskinen Hannu	4500	Physics of Earth's Radiation belts
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Sainio Mikko	3500 Fysiikan tutkimuslaitoksen (HIP) historiikkityön loppuunsaattaminen	
Matkat - Resor - Travel		12 050 €
Hongisto Mikko	2600 Matka-apurahahakemus cotutelle Ranska – Suomi liikkuvuudelle 2 kuukaudeksi 2021-2022	
Hoyer Paul	2850 Två konferenser	
Johansson Andreas	2000 Deltagande i vetenskaplig konferens	
Rissanen Antti	3400 Vierailu Australian opetuksen tutkimuksen ytimeen. 2.konferenssi 7th Annual STEM Education Conf.	
Rivasto Elmeri	1200 Tutkimusvierailu: Center for Quantum Materials and Superconductivity (CQMS), Department of Physics, Sungkyunkwan University, Etelä-Korea	
Kemia - Kemi - Chemistry		497 000 €
Tohtorikoulutus - Forskarutbildning - Doctoral studies		278 000 €
Baddam Vikram	24000 Syntheses of poly(ionic liquid) nanomaterials: self-assembling polymers, particles, and nanowires	
Enders Lukas	24000 Asymmetric gold catalysis enabled by new chiral NHC ligands	
Eronen Aleksi	24000 Aminohappojen hyödyntäminen kemiallisissa synteeseissä	
Haluska Ondrej	24000 Plant-based nanostructured silicon carbide as a catalysts support material for biofuels.	
Kontturi Eero	26000 Conception of Safe-by-Design Soft Green Advanced Materials Based on Interaction and Self-Assembly between Biosurfactants and Cellulose (CELLF-ASSEMBLY)	
Lassfolk Robert	24000 Acyl group migration in mono-, oligo- and polysaccharides: Synthetic, analytic, kinetic and biological studies	
MAHMOOD Atif	24000 Simulations of the Magnetic Response of Nanostructures using Deep-Learning Optimization and the Pseudo-? Method	
Martínez-Klimov Mark	12000 Uusiutuvan lentopolttoaineen valmistus biomassasta. Production of biomass-derived renewable jet fuel.	
Medina Ananias	24000 Utveckling av intensifierad reaktorteknologi för gas-vätskeprocesser Orgaanisten radikaalien hapetusreaktioiden tutkiminen laserfotolyysi-	
Pekkanen Timo	24000 valoionisaatiomassaspektrometrialla ja masteryhtälö-mallinnuksella	
Tolvanen Stiina	24000 A surface-enhanced Raman scattering sensor platform on paper substrate	
Valdez Garcia Joaquin	24000 High throughput production of perovskite solar cells on flexible substrates	
Postdoc		160 500 €

Albrecht Vechietti Fernanda	29000 Exploiting novel bioactive coatings and fibrous scaffolds to enhance osteogenesis for bone tissue engineering	
Behravesh Erfan	10500 Operando X-ray absorption spectroscopy of Ga and Zn modified catalysts for non-oxidative dehydrogenation of propane	
Kaabel Sandra	29000 Sustainable solid-state synthesis of cellulose- and lignin-based nanomaterials from biomass	
Nisula Mikko	5000 Biomimeettisen keinoitekoisen neuronin valmistus sähköjohtavista koordinaatiopolymeerihutkalvoista	
Orozco Ic Mesias	29000 The magnetic response of large carbon structures calculated with the pseudo- π model	
Stepanek Petr	29000 Optical contrasts for nuclear magnetic resonance	
Ward James	29000 Nucleophilic Iodonium Interactions (NIIs)	
Tutkimus - Forskning - Research		49 000 €
Ojala Satu	24000 Ympäristökatalyyttien raaka-aineiden korvaaminen epäorgaanisilla sivutuotteilla geopolymerisointia apuna käyttäen	
Petit Laetitia	15000 Composition analysis of ancient and historic Chinese glazes as part of the PhotonART project	
Srinivasan Vignesh	10000 Mechanisms regulating the deubiquitinating enzyme, USP14 in neuronal autophagy associated with Neurodegenerative disorders.	
Matkat - Resor - Travel		9 500 €
LEMIERE Arnaud	2000 Conference : 14th Pacific Rim Conference on Ceramic and Glass Technology (PACRIM 14)	
Leskelä Markku	2000 Osallistuminen ALD 2021 konferenssiin	
Murzin Dmitry	2000 Purpose of the trip is to visit several universities in Israel (Haifa, Jerusalem, Tel-Aviv, Ben-Gurion)	
Sundholm Dage	2000 Analys och visualisering av nanostrukturers magnetiska egenskaper	
Tähtinen Petri	1500 Osallistuminen Euromar-konferenssiin	
Lääketieteellinen kemia - Medicinsk kemi - Medical chemistry		600 400 €
Tohtorikoulutus - Forskarutbildning - Doctoral studies		248 400 €
Aalto Anna	12000 Finansiering för slutförande av doktorandstudier i cellbiologi vid Åbo Akademi och för tiden efter disputationen.	
Alve Sanni	12000 Molecular characterization of pro-metastatic melanoma crosstalk with lymphatic endothelial cells	
Awad Shady	5000 Identification of Driver Mutations and Novel Drugs to Improve Management of High-Risk Chronic Myeloid Leukemia Patients	

Awoniyi Luqman	12000 Proximity biotinylation reveals novel proteins dynamics and cellular rewiring triggered by B cell receptor activation
Backman Anders	5400 Ansökan om understöd för avslutande av avhandling om glykolipidtransportproteinernas funktion i ER/Golgi gränskiktet.
Christel Sourander	12000 Identifying the effect of JNK on Neural Activity and Synaptic Plasticity Related to Anxiety and Depressive Behaviours
Dalwani Subhadra	12000 Structural enzymology studies of Mycobacterium tuberculosis trifunctional enzyme (MtTFE) and yeast peroxisomal enoyl-CoA isomerase (ScECI2)
Fellman Vineta	16000 Coenzym Qs roll i sjukdomsmekanismen vid funktionsbrist i andningskedjans komplex III - studier i en musmodell
Hinkkanen Victoria	12000 Ruoka-allergian siedätysoidon mekanismit ja hoitotulosten ennustettavuus immunologisten menetelmien ja biomarkkereiden avulla
Jha Sweta	24000 Completion of PhD thesis on Regulation of protein homeostasis – cross-talk between the ubiquitin - proteasome system (UPS) and autophagy-lysosomal pathway (ALP)
Kietz Christa	12000 Ubikvitinmedierad reglering av tarminflammation och av samverkan mellan värdorganismen och mikrobiomet
Lassila Taru	24000 Kalciumkanalernas betydelse för sköldkörtelcancer
Madhavan Sudarrshan	12000 Calcineurin as a novel regulator of the inetegrin crosstalk between LFA-1 and VLA-4
Malani Disha	12000 Functional molecular precision medicine for acute myeloid leukemia patients
Matilainen Johanna	12000 Rasvakudoksesta erittyvien solunulkoisten vesikkeleiden rooli lihavuudessa ja ei-alkoholiperäisessä rasvamaksataudissa
Parantainen Jukka Taneli	6000 Metabolinen endotoksemia nivelen tulehduksen ja kardiovaskulaarisairauksien patogeenisissä
Poudel Nirmal	12000 GLUTATIONITRANSFERAASIEN RAKENNETUTKIMUKSILLA KOHTI UUSIEN SOVELLUSTEN KEHITYSTÄ JA LÄÄKEAINEIDEN SUUNNITTELU
Reigada Ocaña Inés	12000 Search of new compounds to eradicate multi-species biofilms
Saadabadi Atefeh	12000 Development of Novel Analgesics and Anti Inflammatory Agents Derived from Natural Stilbenoids
Szkalicity Abel	12000 Predicting metabolic reaction rates: towards improved understanding of human metabolic flexibility
Postdoc	
Asghar Muhammad Yasir	7250 Calcium-dependent regulation of the RNase enzyme Dicer; Importance in thyroid cancer cell invasion and proliferation

58 000 €

Engberg Oskar	14500 Molecular Insights into Membrane Thinning induced by the Intramembrane Protease GlpG using solid-state NMR
Guenther Carla	7250 Mechanotransduction in dendritic cells: beta2-integrins regulate RelA shuttling and migration
Li Lili	29000 Decoding human neuronal signalling networks at single-cell resolution

Tutkimus - Forskning - Research

287 000 €

Almeida-Souza Leonardo	10000 Development of small molecule inhibitors of the endocytic cytoskeleton
Courtney Michael	5000 Multiplexable probes and optogenetic actuators for elucidation of small-GTPase function in neurological disease
Domenech Moreno Eva	5000 Stromal Lkb1 role in gastrointestinal epithelial regeneration and tumorigenesis
Eriksson-Rosenberg Ove	10000 Identification of binding partners to the mitochondrial tumour suppressor LACTB using a proteomic approach
Eskelinen Eeva-Liisa	10000 RAB24-GTPaasin ilmentyminen syöpäkasvaimissa
Fagerholm Susanna	8000 beta2-integrinerna som reglerare av immuncellernas metaboliska status och funktion
Gahmberg Carl G	15000 Interaktion mellan hemoglobin och alfaD integrin reglerar cancercellers tillväxt vid hypoxi
Grönholm Mikaela	8000 3D tumörmodeller som testplattform för virus-immunterapi och T-cell studier
Hedman Klaus	10000 New Virology
Jackson Christopher B	8000 Metabolic modulation of retrograde mitochondrial signalling as therapy for mitochondrial disease
Johari Mridul	5000 Functional characterization of different pathogenic mutations in heterogenous ribonuclear protein A1 (HNRNPA1) causing both proximal and distal myopathy phenotypes.
Keinänen Kari	5000 AMPA-reseptorin proteiini vuorovaikutukset
Kiiski Kirsi	5000 Investigation of a challenging mutation type - copy number variations of segmental duplication regions within large disease genes
Koistinen Hannu	8000 PROTEASES AS TARGETS FOR PROSTATE CANCER THERAPY
Koivunen Erkki	5000 Syöpäsolujen oxytaxis
Kukkonen Jyrki	8000 Optiska metoder för läkemedelsutveckling
Le Joncour Vadim	8000 Revealing the identity of the invasive brain tumor cells
Mattila Pieta	8000 The composition and regulation of the B cell immunological synapse revealed by modern proteomics and imaging tools
Meinander Annika	5000 Avlöning av hjälparbetskraft till forskningsprojektet "Targeting M1-ubiquitination in inflammation-induced cancer"
Nordström Tommy	5000 Natrium bikarbonat co-transportörer (NBC); potentiella terapeutiska mål hos glia/gliom stamceller.
Olkkonen Vesa	12000 Kalvokontaktit endoteelisoluissa: Uusi näkökulma endoteelien terveeseen toimintaan ja sen häiriöihin ateroskleroosissa
Panula Pertti	15000 The roles of growth factors and angiopoietins in brain development and plasticity

Partanen Juha	10000 Aivorungon hermosolujen erilaistumista ohjaavat geenisäätelymekanismit
Salminen Tiina A.	8000 Intercepting the Siglec-mediated interactions in cancer and inflammation
Saris Per	5000 Materialkostnader för forskningsgruppen
Sharma Vivek	10000 Long-range electron proton coupling in respiratory complex I and its role in health and energy production
Siljander Pia	8000 Platelet-derived extracellular vesicle (EV) –mediated mechanisms in therapy and cancer
Sipilä Petra	8000 Mechanisms of epididymal androgen receptor action – A new insight into an old concept
Somerharju Pentti	5000 Phospholipases catalyzing the first step of head group remodeling of glycerophospholipids
Tojkander Sari	5000 Mechanobiology of the epithelial tissues – role in normal tissue homeostasis and in the progression of pathophysiological conditions
Törnquist Kid	8000 Kalciumfluxer reglerar sköldkörtelhormonreceptor TR β 1 och transkriptionsfaktorn Runx2 i sköldkörtelcancer celler.
Vaheri Antti	12000 Interactions of viromes in arthropods and selected human diseases
Varjosalo Markku	5000 Geenifuusiot ihmisen syövässä
Verkhusa Vladislav	15000 Title: "Design of a chromophore in near-infrared fluorescent proteins for preclinical imaging".
Åkerfelt Malin	5000 Rollen av Notch/WNT-signalering i extracellulärt matrix-inducerad cancer spridning
Öörni Katariina	5000 Parantaako LDL-hiukkasten laadun arviointi sydäntautien riskiarviota ja voidaanko LDL-hiukkasten laatua parantaa?

Matkat - Resor - Travel

7 000 €

Barbara Genocchi	1500 Computational evaluation of astrocytic ionic homeostasis control and gliotransmission in a 3D astrocyte-neuron network model
Bruun Tanja	1000 Pacificchem – The International Congress of Pacific Basin Societies, USA, 16. – 21.12.2021
Feola Sara	1500 Exploiting the pre-existing immunity to enhance oncolytic cancer immunotherapy
Javarappa Komal Kumar	1000 Profiling of the Immune system of multiple myeloma patients at diagnosis and after treatment
Johansson Niklas	1000 Resestipendie för deltagande i XXVI EFMC-ISMIC & 8th EFMC-YMCS, 29.8.-3.9.2021, Basel, Schweiz
Suarez Rodriguez Freddy	1000 How cells in the vasculature sense mechanical stress, like hypertension, and why this leads to cardiovascular disease. I'm focusing on two proteins: Jagged1 and Vimentin.

Koulut - Skolorna - Schools

40 000 €

Opetuksen tukemiseen - Stöd till unervisningen - For teaching support

40 000 €

Aksela Maija	15000 Luonnontieteet nyt ja tulevaisuudessa: Verkkokurssi Tähdet ja avaruus
Juslin Emilia	4000 Understöd för TekNatur 2019-2020

Karjalainen Tiina 10000 MAOL-syyskoulutuspäivät 2021
Werkelin Johan 11000 För att arrangera de Finlandssvenska Fysik- och Kemidagarna i november 2021

PhD cotutelle Apurahat -Stipendier - Grants

Kontturi Eero 26 000 € Conception of Safe-by-Design Soft Green Advanced Materials Based on Interaction and Self-Assembly between Biosurfactants and Cellulose (CELLF-ASSEMBLY)
Feyles Maria Michele 26 000 € atematik
Enders Lukas 24 000 € Novel applications for oxidized active carbon catalysts

Finska Vetenskaps-Societeten - Suomen Tiedeseura - The Finnish Society of Sciences and Letters

107 000 €

Verksamhetsunderstöd 80 000 €
Magnus Ehrnrooths pris i matematik 20 000 €
Societetens lärarpris 7 000 €