

Grants

EINO JUTIKKALA FUND 14 OCTOBER 2024

MSS, MA Mirka Elovainio, University of Helsinki, 27 000, Aikuissosiaalityön vaikuttavuus – AVAIN-mittarin ja laadullisen analyysin tuottama tieto. (social sciences)

MA Selcen Johansson, University of Turku, 27 000, Portrayal of Finland in Turkish media with a focus on Finland's NATO membership: A Corpus-assisted Discourse Study. (linguistics)

MA Dina Gillham, University of Helsinki, 27 000, The Perpetual Virginity of Mary: Origins, Development, and Impact on Gender Expectations. (theology)

LLM Kim Hakala, University of Helsinki, 27 000, Euroopan unionin jäsenvaltioiden kansainvälisen yksityisoikeuden metamorfoosi. (jurisprudence)

MA Saara Hellström, University of Turku, 29 160, Vertaileva rekisteritutkimus kielenkäytön vaihtelusta monikielisessä Internetissä. (linguistics)

MSS Meeri Kataja, Montana State University, 28 900, "Looking for the Hardest

Type of Settlers": Northern European Immigrants in Alaska 1867-1945. (history)

MSS Elina Laakso, University of Helsinki, 27 000, Intohimoa vai turvaa: puolisoiden kumppanuuden tunnehistoriaa perheissä 1900-luvun Suomessa. (history)

MSS Andrea Lorenz-Wende, University of Jyväskylä, 27 000, Omaisolettama – rajanvetoa työikäisten omaisten ja julkisen vallan hoivavastuun välillä ikääntyneiden hoivassa. (social sciences)

LLM Roope Marttila, University of Helsinki, 27 000, The Hidden Cost of Deep Decarbonizing the Future Energy Mix: Comparing the External Costs and the Relative Regulatory Burden of Nuclear Power to Other Energy Sources. (jurisprudence)

MA Tuan Viet Nguyen, University of Turku, 27 000, Determinants and impacts of



Recipients of the Eino Jutikkala Fund, Emil Öhmann Foundation, and Hilka and Otto Brusiin Foundation grants were celebrated at the House of Nobility in October. The Eino Jutikkala Fund awarded grants 519 000 euros to 19 researchers, all of whom are early-stage PhD students. The studies include for example a survey of Alaskan migrants from Northern Europe, research on elderly care and the boundary between caring for the elderly and caring for the elderly by relatives and public authorities, a study of the Turkish media's perception of Finland's membership of NATO, and a study of the impact of school bullying on brain structure and function.

- digital services in Finnish primary care. (social sciences)
- MA Birgitta Paranko, University of Turku, 27 000, CHALLENGE: Koulukiusaamisen akuutit ja pitkäaikaiset vaikutukset aivojen rakenteeseen ja toimintaan. (psychology)
- MA, MD Nikolai Paukkonen, University of Helsinki, 27 000, Evaluation of Photogrammetry and Laser Scanning as Archaeological Documentation Tools. (archeology)
- MA Sini Peltokorpi, University of Turku, 29 000, Näkömonivammaisten lasten ja heidän vanhempiensa välinen vuorovaikutus ja sen tukeminen. (social sciences)
- MAT Kukka-Maaria Polso, University of Helsinki, 27 000, Motivated choices in the upper secondary school transition: Linking subject-specific motivation with emerging educational pathways. (pedagogy)
- MSc Jukka-Pekka Pyylampi, University of Helsinki, 27 000, Measuring Finnish Output Gap and Rules-Based Fiscal Guidance: Past & Present Estimates. (social sciences)
- MA Arwen Rosenberg-Meereboer, Åbo Akademi University, 27 000, Ethical Ecologies: Tove Jansson and Sven Nordqvist as an ecocritical approach to ethics. (philosophy)
- MSS Ville Sava, University of Turku, 27 000, Commemorating Defeat: Remembering the Boshin War in Aizuwakamatsu City in Japan. (history)
- MSc Juuso Villanen, University of Jyväskylä, 27 000, Essays on health economics and economics of education. (social sciences)
- MA Milla Virolainen, University of Jyväskylä, 27 000, Parliamentarians Debating Democracy in a Time of Crisis: How was Democracy Viewed and Defined by French Politicians 1927-1940. (history)

VILHO, YRJÖ AND KALLE VÄISÄLÄ FUND 9 DECEMBER 2024

Biology, biosciences, environmental science

- MSc Rahul Jagadeesan, Tampere University, 27 000, Gene expression dynamics in operons during energy-driven genome-wide stresses. (PhD grant)
- MA Alisa Koski, University of Jyväskylä, 27 000, Taimenen lisääntymisekologia ja levittäytyminen uusiin uomiin. (PhD grant)
- MSc Shrinidhi Madhusudan, University of Helsinki, 27 000, CRISPR activation of DLX5 guides neural progenitor cells towards the GnRH neuron cell fate. (PhD grant)
- MA Jesse Simola, University of Eastern Finland, 27 000, Saimaannorpan (*Pusa hispida Samensis*) kudosten elohopean ja PFOS:in pitoisuusmääritykset sekä Saimaan elohopeapitoisuuksien kehityksen mallinnus muuttuvassa ilmastossa. (PhD grant)
- MA Joonatan Sipola, Tampere University, 27 000, Enhancing treatment of metastatic castration resistant prostate cancer via analysis of plasma liquid biopsies. (PhD grant)

MSc Ville Tuominen, FMI, 30 000, Euroopan turvemaiden kasvihuonekaasupäästöt ja -nielut maankäytön, ilmastomuutoksen ja äärimmäisten sääilmiöiden vaikutuksessa prosessipohjaisen mallinuksen avulla. (PhD grant)

Physics

MSc Ahmed Abdelmagid, University of Turku / University of Cologne, 2 051, visiting grant

MSc Kameyab Raza Abidi, University of Jyväskylä, 20 250, Understanding of Buckling in Two-Dimensional Metals. (PhD grant)

MA Pejk Amoroso, University of Helsinki, 27 000, Point defects in novel Ge-based materials for advanced radiation sensors. (PhD grant)

MSc Kristian Arjas, Aalto University, 13 500, Connecting weak- and tight-binding models in plasmonic lattices. (PhD grant)

MSc Dana Avramescu, University of Jyväskylä, 27 000, Transport of hard probes in the Glasma. (PhD grant)

MSc Carlisle Casuga, University of Jyväskylä, 27 000, Global Analysis of Non-linear QCD Dynamics in Deep Inelastic Scattering. (PhD grant)

MA Zhehao Chen, University of Helsinki, 27 000, Säteilyvaurioiden Perusominaisuudet Monen Pääelementin Satunnaisseoksissa (MPEAs). (PhD grant)

MA Markku Hahto, University of Turku, 27 000, Temporal quantum networks. (PhD grant)

MSc Patin Inkaew, University of Helsinki, 27 000, Exploiting real-time analysis for Higgs boson measurements at the CMS experiment. (PhD grant)

MA Heini Järvinen, University of Jyväskylä, 28 800, DNA-assisted fabrication of

metasurfaces. (PhD grant ja visiting grant)

MA Elina Kauppinen, University of Jyväskylä, 9 000, Calculations on the double-beta decay. (PhD grant)

MSc Jaclyn Tayla Lang, University of Turku, 27 000, Disentangling the acceleration mechanisms in solar energetic particle events. (PhD grant)

MSc Ilari Lilja, Aalto University, 27 000, Jatkuvan muuttujan klusteritilojen muodostaminen ja ohjaus Josephsonin parametrisissä systeemeissä. (PhD grant)

MSc Isaac Yair Miranda Valdez, Aalto University, 32 651, Unveiling the multi-scale nature of soft materials through fractional order viscoelasticity, University of Helsinki perspektiivinen kuvitus, and machine learning. (PhD grant ja visiting grant)

MA Sanna Normo, University of Turku, 27 000, The origin and propagation of fast particles using radio observations during solar eruptions. (PhD grant)

MSc Meysam Norouzi Inallu, LUT University / University of the Basque Country, 3 000, visiting grant

MA Harri Parkkinen, University of Jyväskylä, 18 000, Quantum kinetic theory for coherently mixing neutrinos. (PhD grant)

MA Joose Peitola, University of Eastern Finland, 27 000, Personalized muscle force-driven musculoskeletal finite element modeling platform to optimize rehabilitation planning of patients with osteoarthritis. (PhD grant)

MA Tomi Ruosteoja, University of Helsinki, 30 000, Transport properties of cold and dense quark matter. (PhD grant ja vieraiuapura)

MA Topi Sirkiä, University of Helsinki, 27 000, Uusia rajoja aksioneille ja aksionin-kaltaisille hiukkasille suoran



The Vilho, Yrjö and Kalle Väisälä Fund grants and the Väisälä prizes were announced at the House of Nobility during the December event. A total of 1.7 million euros in grants were awarded in the autumn 2024 distribution, to a total of 74 researchers. Grants were awarded in particular to researchers working on their doctoral theses. The studies include for example determining mercury levels in Saimaa ringed seal tissues, studying radiation-resistant materials and extreme weather-induced tremors, developing diagnostics for ADHD, assessing the impact of wildfires on the carbon cycle, and exploring knot theory.

havaitsemisen kokeista sekä superradi-
anssista mustissa aukoissa ja neutron-
itähdissä. (PhD grant)

MA Nico Stirling, University of Helsinki,
27 000, Quantum field theoretical
aspects of neutrino oscillations and
interactions. (PhD grant)

MA Saara Takala, University of Helsinki,
27 000, Characterizing properties and
early dynamics of solar eruptions with
X-ray spectroscopy. (PhD grant)

Geophysics

MPhil Benoit Espinola, FMI, 30 980,
Ympäristöseurannan tehostaminen
merialueilla koneoppimispohjaisella
haitallisten aineiden jäljityksellä. (PhD
grant, grant for expenses, visiting grant)

MA Veera Juntunen, University of Oulu,
27 000, Auringon ilmastovaikutusten
merkitys yhteiskunnan energiankulutuk-
selle ja -tuotannolle. (PhD grant)

MSc Emma-Riikka Kokko, University of Oulu,
30 000, Sään ääri-ilmiöiden aiheuttam-
ien routajäristysten riskiarviointi ark-
tisilla ja subarktisilla alueilla. (PhD grant)

MSc Xinfang Zhang, FMI, 27 000, Enhance-
ment of Earth system model simula-
tion through integrated sea ice observa-
tional studies. (PhD grant)

Chemistry, biochemistry

MSc Christine Gonsalves, Aalto University,
27 000, Advancing Atomic Layer Depo-
sition for Sustainable Heterogeneous
Catalysis. (PhD grant)

MSc Hanan Ibrahim, University of Jyväskylä,
27 000, Understanding ligand-directed
acrolein selective hydrogenation into
propenol on Pd(111) surface: DFT study.
(PhD grant)

MA Mari Tienhaara, University of Turku,
27 000, Identification of key kinase /
phosphatase nodes regulating drug tol-
erance in oncogene-addicted cancer.
(PhD grant)

MSc Sami Vesamäki, Tampere University,
27 000, Kosteuden vaikutus atsobent-
seenien isomerisaatioon ja ilmiön hyö-
dyntäminen sovelluksissa. (PhD grant)

Medicine, health sciences

MSc Nazli Eskici, University of Helsinki,
27 000, DLK1:n roolin tutkiminen
ihmisen GnRH-neuroneiden kehi-
tyksessä. (PhD grant)

MSc Liia Merzon, Aalto University, 9 000,
Combining Virtual Reality and Machine
Learning to Improve ADHD Diagnostics.
(PhD grant)

MSc Tuija Tolonen, Aalto University, 13 500,
Aivojen laajat hermoverkostot ADHD-
aikuisilla ja tyypillisessä kehityksessä:
moniulotteinen magneettikuvantamis-
tutkimus. (PhD grant)

Medical technology, biophysics

PhD Arjen Gebraad, University of Eastern
Finland / University of Life Sciences,
4 500, visiting grant

MA Annele Heikkilä, Tampere University,
27 000, Potilaan asetteluvirheiden vai-
kutuksen minimoiminen ulkoisessa
sädehoidossa. (PhD grant)

MSc Suvi Heinonen, University of Helsinki,
27 000, Incorporating molecular dynam-
ics simulations into the development of
liposome-based vaccine adjuvants and
other lipid-based formulations. (PhD
grant)

MSc Bilour Khan, University of Eastern Fin-
land, 18 000, Valon etenemisen mallin-

nus pehmytkudoksissa elementtime-
netelmää ja Monte Carlo -simulaatiota
käyttäen. (PhD grant)

MSc Sofia Tauriainen, Aalto University,
27 000, Aktiivisuuden ja tarkkaavuuden
häiriön oireiden mittaaminen objekti-
ivisesti luonnollisessa kontekstissa. (PhD
grant)

Mathematics

MA Veeti Ahvonen, Tampere University,
27 000, New directions in descriptive
complexity. (PhD grant)

MSc Kalle Alaluusua, Aalto University,
27 000, Community recovery in sparse
random graphs. (PhD grant)

MSc Theo Elenius, Aalto University, 27 000,
Parabolic variational problems of linear
growth. (PhD grant)

MSc Kai Hippi, Aalto University, 27 000,
Quantum chaos on random Riemann
surfaces. (PhD grant)

MSc Matilda Häggblom, University of Hel-
sinki / Utrecht University, University of
Amsterdam, 4 000, visiting grant

MA Tuomas Kelomäki, Aalto University,
27 000, Discrete Morse theory for Kho-
vanov homology. (PhD grant)

Professor Risto Korhonen, University of
Eastern Finland / Kanazawa University,
University College London, 3 200, visit-
ing grant

MSc Okko Makkonen, Aalto University,
8 100, Turvallisen hajautetun laskennan
matemaattinen perusta. (PhD grant)

MA Katariina Paturi, University of Turku,
27 000, Dynamical properties of nonuni-
form cellular automata. (PhD grant)

MA Mika Sipilä, University of Jyväskylä,
27 000, Nonlinear blind source sepa-
ration for spatial and spatio-temporal
data. (PhD grant)

MA Ensio Suonperä, University of Helsinki,
27 000, Tehokkaita ratkaisumenetelmiä
bilevel-ongelmien optimointiin. (PhD
grant)

MSc Lauri Särkiö, Aalto University, 27 000,
Regularity of parabolic double phase
systems. (PhD grant)

MA Yu-Liang Wu, University of Oulu, 27 000,
Shrinking targets and recurrence set
problem. (PhD grant)

Meteorology

MSc Miguel Aldana, FMI 27 000, The Impact
of the Gulfs of Finland and Bothnia and
Associated Coastal Areas on Thunder-
storms in Finland. (PhD grant)

MSc Carla Maria Di Natale, FMI, 27 000,
Maalla ja merellä tehtävän hiilidioksidin
poiston vaikutus planetaarisiin rajoihin.
(PhD grant)

MSc Marta Fregona, University of Hel-
sinki, 27 000, Modeling greenhouse gas
exchanges in freshwater ecosystems.
(PhD grant)

MA Outi Kinnunen, FMI 33 000, Maasto-
palojen vaikutus hiilenkiertoon Pohjois-
Euroopassa. (PhD grant)

MSc Snehitha Kommula, University of East-
ern Finland, 1 800, visiting grant

MA Johannes Mikkola, University of Helsinki,
27 000, Aerosol transport to the free
troposphere in mountainous regions:
combining meteorology, air-chemistry
and aerosol physics. (PhD grant)

MSc Jenna Ritvanen, FMI 27 000, Kon-
vektiosateen lähihetkiennustaminen
kaksoispolarisaatiotutkien ja fysiikkaan
perustuvien koneoppimismenetelmien
avulla. (PhD grant)

MA Olli Saranko, FMI 13 500, Maankäytön
vaikutus helteiden kehittymiseen
Suomen kaupungeissa. (PhD grant)

Computer science, computer engineering

MSc Leevi Lignell, Tampere University, 27 000, Litiumioniakkujen reaaliaikainen tila-analyysi. (PhD grant)

MSc Markus Lindén, University of Turku, 27 000, Data analysis tools for longitudinal and single-cell proteomics. (PhD grant)

Astronomy

MA Yasir Abdul Qadir, University of Turku, 13 500, Tähtijärjestelmien moniaallonpi-
tuinen optinen polarimetria, joka osoit-
taa vaihtelevaa sisäistä polarisaatiota.
(PhD grant)

MA Sofia Forsblom, University of Turku, 27 000, Study of polarized emission

from highly magnetized neutron stars in
the X-ray band. (PhD grant)

MA Pouya Kouch, University of Turku /
MAGIC telescopes, La Palma, 2 500,
visiting grant

MA Katja Matilainen, University of Turku, 27 000, Obscured supernovae in lumi-
nous infrared galaxies. (PhD grant)

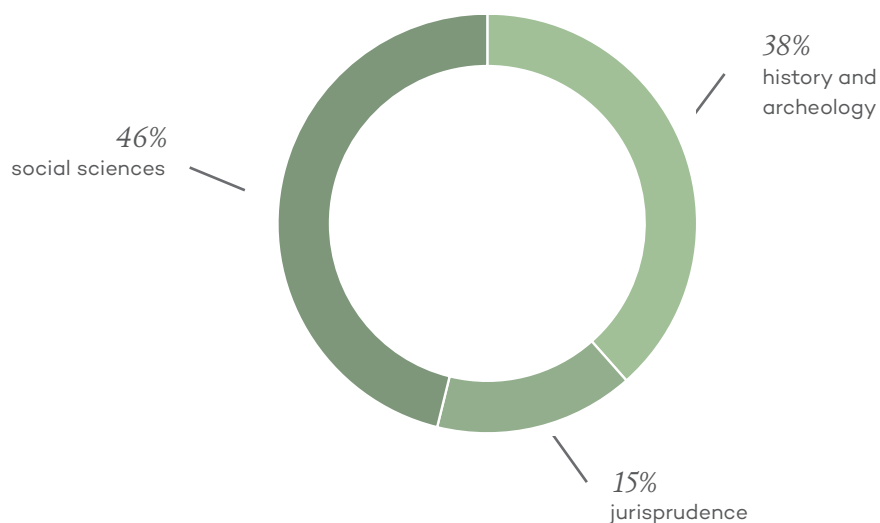
Title of Docent Stepan Poluianov, University
of Oulu / North-West University, 2 900,
visiting grant

MA Mikko Pöntinen, University of Hel-
sinki, 13 500, ESA Euclid -mission hyö-
dyntäminen asteroidien spektrihavain-
noissa. (PhD grant)

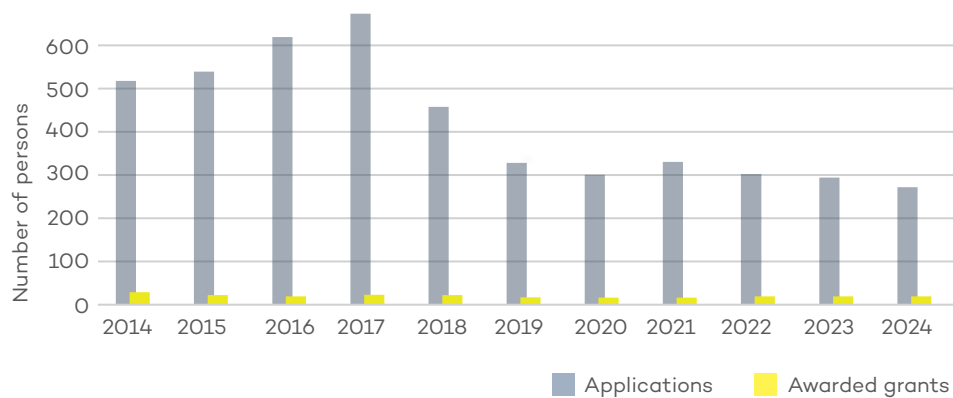
MSc Sicheng Yu, University of Oulu, 27 000,
Hyvin vanhojen kataklysmisten muuttu-
jien piilotetun populaation etsintä. (PhD
grant)

GRANTS FROM THE EINO JUTIKKALA FUND IN 2024

GRANTS AWARDED BY FIELD OF STUDY (2024 APPLICATION FIELDS)

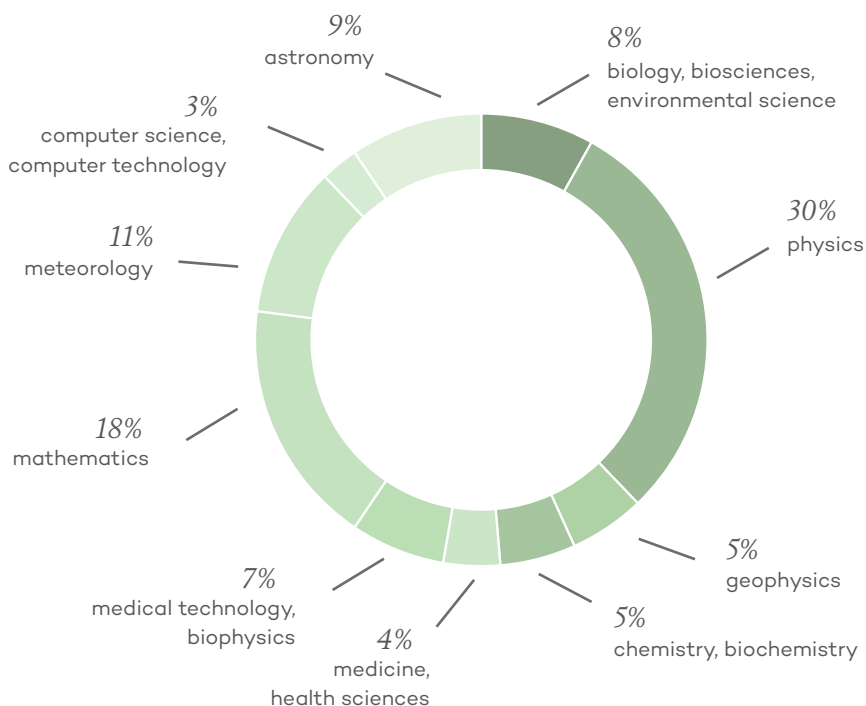


APPLICATIONS RECEIVED AND GRANTS AWARDED IN 2014–2024



GRANTS FROM THE VILHO, YRJÖ AND KALLE VÄISÄLÄ FUND IN 2024

GRANTS AWARDED FIELD OF STUDY



APPLICATIONS RECEIVED AND GRANTS AWARDED IN 2014–2024

