

# Grants

## EINO JUTIKKALA FUND 9 OCTOBER

- MEc, MSS Lotta Allemand, University of Helsinki, 26 000. Lapset puheeksi -menetelmä, koulun ja kodin välinen yhteistyö sekä lasten/nuorten hyvinvointi. (pedagogy)
- MA Selcen Erten, University of Turku, 26 000. The portrayal of Finland in Turkish media with a focus on Finland's NATO membership: A Corpus-assisted Discourse Study. (linguistics)
- MA Jasmin Flinkman, Tampere University, 26 000. Sodan tunnelmat. Ylisukupolvisen trauman käsittely suomenkielisessä 2010-luvun kaunokirjallisuudessa. (art research)
- MA Dina Gillham, University of Helsinki, 26 000. The Perpetual Virginity of Mary: Origins, Development, and Impact on Gender Expectations. (theology)
- MA Saara Hellström, University of Turku, 26 000. Vertaileva rekisteritutkimus kielenkäytön vaihtelusta monikielisessä Internetissä. (linguistics)
- MSS Andrea Lorenz-Wende, University of Jyväskylä, 26 000. Omaisolettama – rajanvetoa työikäisten omaisten ja julkisen vallan hoivavastuun välillä ikääntyneiden hoivassa. (social sciences)
- MA Arwen Meereboer, Åbo Akademi University, 26 000. Ethical Ecologies: Tove Jansson and Sven Nordqvist as an ecocritical approach to ethics. (philosophy)
- MSS Tero Mäkelä, University of Turku, 26 000. Philosophy of Care. (philosophy)
- MA, MD Nuusa Niskala, University of Helsinki, 26 000. Vallaton valtakunta – kristittyjen anarkistien eletty poliittinen teologia 2000-luvulla. (theology)
- MSS, LLB Berfin Nur Osso, University of Helsinki, 26 000. 'Access to Right to Have Rights': Managing Migration at the EU's External Borders. (jurisprudence)
- MA Birgitta Paranko, University of Turku, 26 000. CHALLENGE: Koulukiusaamisen



Recipients of the Eino Jutikkala Fund and Emil Öhmann Foundation grants were celebrated at the House of Nobility in October.

- akuutit ja pitkäaikaiset vaikutukset aivojen rakenteeseen ja toimintaan. (psychology)
- MA, MD Nikolai Paukkonen, University of Helsinki, 26 000. Evaluation of Photogrammetry and Laser Scanning as Archaeological Documentation Tools. (archeology)
- MAT Esa Pavloff-Pelkonen, University of Helsinki, 26 000. Game literacy as an emerging approach for multiliteracy pedagogy. (pedagogy)
- 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, 26 000. Motivated to engage, ready to choose? The interplay of motivational development, behavioral engagement, and educational choices in adolescence. (pedagogy)
- MA Taneli Puputti, University of Jyväskylä, 28 640. Historical Knowledge as Capital: Early Transmission and Circulation of Flavio Biondo's Decades. (linguistics)
- MA Juho Pystynen, University of Helsinki, 26 000. Innovations in Finnic vocalism. (Finno-Ugric studies)
- MSc Jukka-Pekka Pyylampi, Tampere University, 26 000. Measuring Finnish Output Gap and Rules-Based Fiscal Guidance: Past & Present Estimates. (social sciences)
- MA Milla Virolainen, University of Jyväskylä, 26 000. 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 11 DECEMBER

### Mathematics

- MA Veeti Ahvonen, Tampere University, 26 000. New directions in Descriptive Complexity. (PhD grant)
- MSc Kalle Alaluusua, Aalto University, 26 000. Community recovery in sparse random graphs. (PhD grant)
- MA Roope Anttila, University of Oulu / University of St Andrews, Scotland, 4 400. Grant for a reasearch visit
- MA Manu Harsu, Tampere University, 13 000. Lyhytkestoiset modulit ja Scotin lyhteet jatkuvassa posetissa. (PhD grant)
- MSc Kai Hippi, Aalto University, 26 000. Quantum chaos on random Riemann surfaces. (PhD grant)
- DSc Toni Karvonen, University of Helsinki / University of Tokyo, Japan, 2 800. Grant for a reasearch visit.
- MA Tuomas Kelomäki, Aalto University, 26 000. Discrete Morse theory for combinatorial homologies. (PhD grant)
- MA Jesse Koivu, University of Jyväskylä, 26 000. Sobolev ja BV-laajennusjoukoista metrisissä mitta-avaruuksissa. (PhD grant)
- MSc Okko Makkonen, Aalto University, 26 000. Turvallisen hajautetun laskennan matemaattinen perusta. (PhD grant)

- Lic. Phil. Petteri Nissinen, University of Eastern Finland, 13 000. Itseaffiinien joukkojen Dimensiotarkasteluita, epähomogeenisten graafi-suunnattujen itsesimilaarien joukkojen peitelukumääräfunktion asymptootin käyttäytyminen ja Hausdorffin dimensioon vääristymä kvasiympyröissä. (PhD grant)
- Title of Docent Heikki Orelma, Tampere University / University of Aveiro, Portugal, 3 920. Grant for a research visit
- MSc Jaakko Pere, Aalto University, 26 000. On extreme behavior of multivariate and infinite dimensional observations. (PhD grant)
- MSc Angelina Senchukova, LUT University, 19 500. Edge-Preserving Inversion with Heavy-Tailed Bayesian Neural Network Priors. (PhD grant)
- MA Mika Sipilä, University of Jyväskylä, 26 000. Nonlinear blind source separation for spatial and spatio-temporal data. (PhD grant)
- MSc Lauri Särkiö, Aalto University, 26 000. Regularity of parabolic double phase systems. (PhD grant)
- Title of Docent Jari Taskinen, University of Helsinki / University of Toledo, USA / State University of New York at Albany, USA, 4 500. Grant for a research visit
- MSc Dana Avramescu, University of Jyväskylä, 26 000. Transport of hard probes in the Glasma. (PhD grant)
- MSc Carlisle Aurabelle Casuga, University of Jyväskylä, 26 000. Global Analysis of Non-linear QCD Dynamics in Deep Inelastic Scattering. (PhD grant)
- MA Zhehao Chen, University of Helsinki, 26 000. Säteilyvaurioiden Perusominaisuudet Monen Pääelementin Satunnaisseoksissa (MPEAs). (PhD grant)
- MA Annamaria Fedeli, University of Turku, 26 000. Understanding energy spectra of solar energetic electron events using novel data. (PhD grant)
- MA Markku Hahto, University of Turku, 26 000. Temporal quantum networks. (PhD grant)
- MA Ella Häkkinen, University of Helsinki, 26 000. Novel techniques to understand the chemistry of organic aerosol formation in the atmosphere. (PhD grant)
- MA Noora Jokinen, University of Eastern Finland, 26 000. Biomassoista termisillä menetelmillä saatujen nestejakeiden fraktiointi, analytiikka ja sovellukset. (PhD grant)
- MA Jiri Jäntti, University of Eastern Finland, 26 000. Nanovarjoaine nivelrikon tietokonetomografiassa. (PhD grant)
- MA Elina Kauppinen, University of Jyväskylä, 26 000. Double beta decay and dark matter calculations. (PhD grant)
- MSc Jiaqi Li, Tampere University, 26 000. Ultra-fast high-resolution imaging in the mid-infrared range with space-spectrum-tailored supercontinuity. (PhD grant)
- MSc Ilari Lilja, Aalto University, 26 000. Jatkuvan muuttujan klusteritilojen muodostaminen ja ohjaus Josephsonin parametrisissä systeemeissä. (PhD grant)

## Physics

- MSc Kameyab Raza Abdi, University of Jyväskylä, 26 000. Understanding of Buckling in Two-dimensional Metals. (PhD grant)
- MSc Kristian Arjas, Aalto University, 26 000. Lasing in Bound-states in Continuum with large topological charges. (PhD grant)



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 €1.6 million in grants were awarded in the autumn 2023 distribution, to a total of 75 researchers. The recipients work at twelve different universities and research institutes in Finland and abroad.

MSc Isaac Yair Miranda Valdez, Aalto University, 13 000. Designing functional foams using rheophysics and Bayesian Machine Learning. (PhD grant)

MA Joose Peitola, University of Eastern Finland, 26 000. Atlas-based muscle force-driven musculoskeletal finite element modeling platform to optimize rehabilitation planning of patients with osteoarthritis. (PhD grant)

MSc Laura Piispanen, Aalto University, 17 300. Kvanttifysiikkaa osallistavan taiteen ja pelien keinoin. (PhD grant)

MSc Evgeniia Ponomareva, Aalto University, 26 000. The role of electron-ion interactions in radiation damage analysis and prediction for nuclear fusion materials. (PhD grant)

MA Aki Ruhtinas, University of Jyväskylä, 26 000. Kvanttilaitteiden valmistaminen heliumionisuihkulla suorakirjoittamalla. (PhD grant)

MA Jouni Ruotsalainen, University of Jyväskylä, 26 000. Penning trap mass spectrometry of neutron rich nuclei and double-beta decay Q-value measurements. (PhD grant)

MA Iida Rätty, University of Eastern Finland, 13 000. Uuden kolmiulotteisen magneettikuvasmenetelmän kehittäminen sydänsairauksien kuvantamiseen. (PhD grant)

MA Topi Sirkiä, University of Helsinki, 26 000. Uusia rajoja aksioneille ja aksioninkaltaisille hiukkasille suoran havaitsemisen kokeista ja mustien aukkojen superradianssista. (PhD grant)

MA Alex Stendahl, University of Helsinki, 26 000. Dark Matter direct detection with the COSINUS experiment. (PhD grant)

MSc Nico Stirling, University of Helsinki, 26 000. Quantum field theoretical

aspects of neutrino oscillations and interactions. (PhD grant)

MA Sasu Tuohino, Aalto University, 26 000. Implementation of multiqubit gates for unimon circuits. (PhD grant)

## Astronomy

MA Varpu Ahlberg, University of Turku, 13 000. Signatures of strong gravity in spectral, timing, and polarization data of accreting compact objects. (PhD grant)

MA Suvi Korhonen, University of Turku/University of Tartu 26 000. Galaxy filaments: cosmic highways of the matter. (PhD grant)

MA Emma Mannfors, University of Helsinki, 26 000. Multiscale star formation: from cold cores to galactic haloes. (PhD grant)

MA Mikko Pöntinen, University of Helsinki, 13 000. ESA Euclid -mission hyödyntäminen asteroidipopulaatioiden mallintamisessa. (PhD grant)

MA Riku-Petteri Rautio, University of Oulu, 13 000. Origins of ionized gas in the outskirts of galaxies. (PhD grant)

MA Christian Vassallo, University of Turku, 26 000. Core-Collapse Supernova Rates and Machine Learning Methods in Time-Domain Astronomy. (PhD grant)

## Geophysics

MPhil Benoit Espinola, Finnish Meteorological Institution, 26 000. Ympäristö-seurannan tehostaminen merialueilla koneoppimispohjaisella haitallisten aineiden jäljityksellä. (PhD grant)

MSc Nicholas Larsen, University of Oulu, 13 000. Statistical analysis of space weather effects during GLE events. (PhD grant)

MSc Toochukwu Ozoji, University of Oulu, 26 000. Alustava tutkimus kaksiulotteisen karakteristisen impedanssin mahdollisuuksista ennustaa kiviräjähdyksiä maanalaisissa rakenteissa. (PhD grant)

MA Teemu Salminen, University of Eastern Finland, 13 000. Aerosolien ilmastovaiikutusten epävarmuuksien vähentäminen hyödyntäen elementti- ja inversio-menetelmiä. (PhD grant)

MSc Christina Tsarsitalidou, University of Helsinki, 26 000. Focal spot imaging applied to data from dense seismic arrays. (PhD grant)

## Meteorology

MSc Miguel Aldana, IFinnish Meteorological Institution, 13 000. The impact of the Gulfs of Finland and Bothnia and associated Coastal Areas on Thunderstorms in Finland. (PhD grant)

MSc Marta Fregona, University of Helsinki, 26 000. Modeling greenhouse gas exchanges in freshwater ecosystems. (PhD grant)

MA Johannes Mikkola, University of Helsinki, 26 000. Aerosol transport to the free troposphere in mountainous regions: combining meteorology, air-chemistry and aerosol physics. (PhD grant)

MSc Jenna Ritvanen, Finnish Meteorological Institution, 26 000. Konvektiosateen lähihetkiennustaminen kaksoispolarisaatiotutkien ja fysiikkaan perustuvien koneoppimismenetelmien avulla. (PhD grant)

MA Olli Saranko, Finnish Meteorological Institution, 26 000. Maankäytön vaikutus helteiden kehittymiseen Suomen kaupungeissa. (PhD grant)

## Other fields

MA Simone Adinolfi, University of Eastern Finland, 13 000. NRF2 redirects glucose carbons for lipid synthesis and histone acetylation in non-small cell lung cancer. (PhD grant)

MSc Basheer AL-Anesi, Tampere University, 26 000. Perovskite-Inspired materials for Indoor Photovoltaics – towards global net-zero emissions (InPho). (PhD grant)

MSc Julio Alejandro Arias Gallegos Aalto University, 26 000. Implementation of machine learning techniques in the analysis of GNSS time series (PhD grant)

MSc Dominika Bujnakova, University of Oulu, 26 000. Large carnivores and large-scale perspective: studying genetics, morphology, and human perception. (PhD grant)

MSc Nazli Eskici, University of Helsinki, 13 000. DLK1:n roolin tutkiminen ihmisen GnRH-neuroneiden kehityksessä CRISPR aktivaation ja inhibiition avulla. (PhD grant)

MSc Sara Gröhn, University of Eastern Finland, 26 000. Multidimensional magnetic resonance imaging in the evaluation of ischemic stroke (PhD grant)

MSc Karoliina Hopia, Tampere University, 26 000. Uudet kudosaadhesiiviset biomateriaalit sarveiskalvon haavaumien hoitoon ja 3D-biotulostukseen. (PhD grant)

MSc Rahul Jagadeesan, Tampere University, 26 000. Gene expression dynamics in operons during energy-driven genome-wide stresses. (PhD grant)

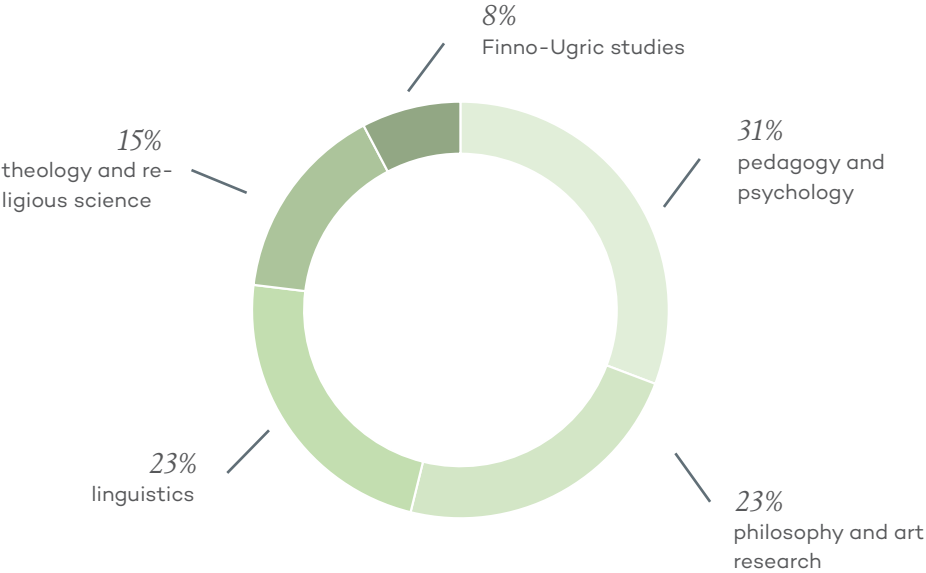
MA Linda Laakso, University of Turku, 26 000. Sudenkorentojen lämmönsäätely. (PhD grant)

- MA Aku Lempelto, University of Jyväskylä, 19 500. Hiilidioksidin katalyyttinen vedyttäminen metanoliksi heterogeenisillä jalometallikatalyyteillä. (PhD grant)
- MSc Liya Merzon, Aalto University, 19 500. Combining Virtual Reality and Machine Learning to Improve ADHD diagnostics. (PhD grant)
- MSc Eero Molkoselkä, University of Oulu, 26 000. Koneoppimiseen perustuva hologrammien takaisinlaskenta jäätävien pilvien pisara-analysointia varten. (PhD grant)
- MA Anu Nyberg, University of Eastern Finland, 26 000. Role of coronary artery disease-associated genetic variation in the regulation of cell type specific enhancer activity. (PhD grant)
- MSc Eloi Schmauch, University of Eastern Finland, 26 000. Multiomics and spatial transcriptomics dissection of cardiac diseases: focus on Atrial Fibrillation, and coronary artery disease. (PhD grant)
- MSc Linda Sederholm, Aalto University, 13 000. Äärimmäisen korkean paineen menetelmät magneettisten ja suprajohtavien metallioksidien synteesiin ja faasimuutoksiin. (PhD grant)
- MA Joonatan Sipola, Tampere University, 26 000. Enhancing treatment of metastatic castration resistant prostate cancer via analysis of plasma liquid biopsies. (PhD grant)
- MSc Sofia Tauriainen, Aalto University, 26 000. Aktiivisuuden ja tarkkaavuuden häiriön oireiden mittaaminen objektiivisesti luonnollisessa kontekstissa (PhD grant)
- MA Mari Tienhaara, University of Turku, 13 000. Phosphoregulation mechanisms as determinants of drug tolerance in oncogene-addicted cancer. (PhD grant)
- MSc Sami Vesamäki, Tampere University, 26 000. Kosteuden vaikutus atsobentseenien käyttäytymiseen ja ilmiön hyödyntäminen sovelluksissa. (PhD grant)

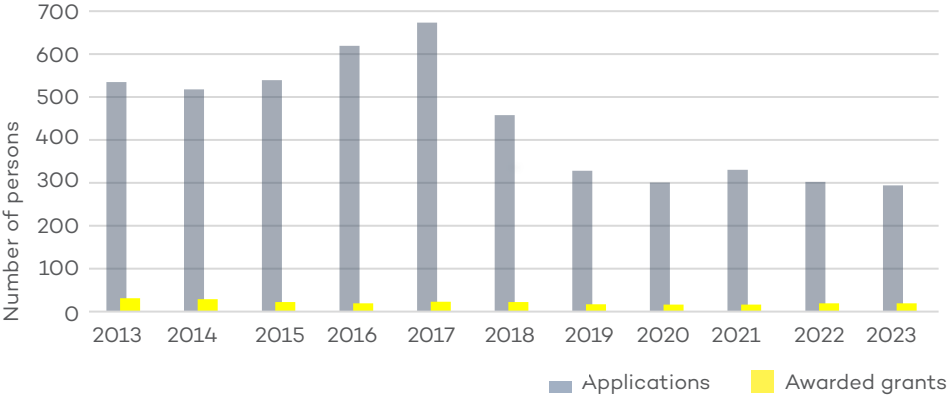


## GRANTS FROM THE EINO JUTIKKALA FUND IN 2023

### GRANTS AWARDED BY FIELD OF STUDY

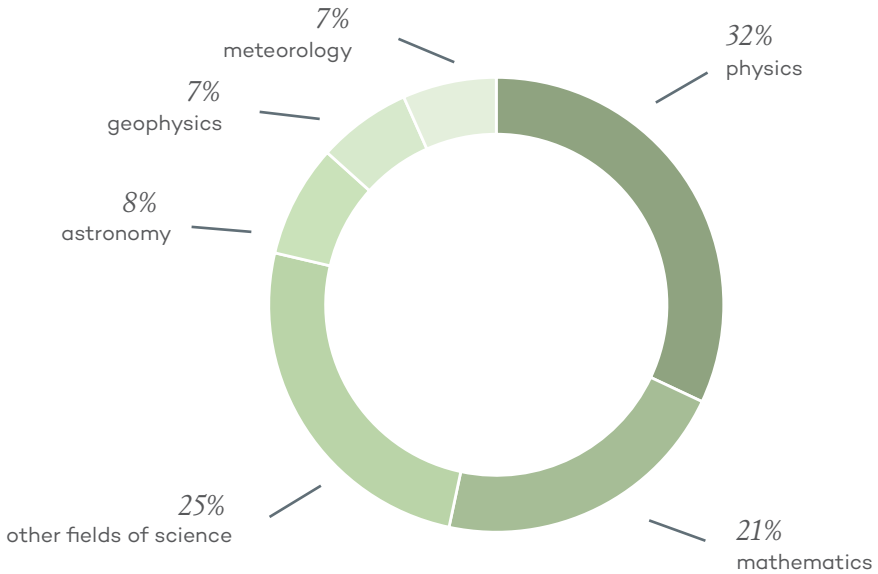


### APPLICATIONS RECEIVED AND GRANTS AWARDED IN 2013–2023



GRANTS FROM THE VILHO, YRJÖ AND KALLE VÄISÄLÄ FUND IN 2023

GRANTS AWARDED FIELD OF STUDY



APPLICATIONS RECEIVED AND GRANTS AWARDED IN 2013–2023

