

# Annual report of the Finnish Academy of Science and Letters

## GOVERNING BOARD AND SECRETARY GENERAL

The year 2022 was the 115th year of operation of the Finnish Academy of Science and Letters. The President of the Governing Board of the Academy in 2022 was Kimmo Kaski and the Vice President was Tuula Linna. Pekka Ilmakunnas continued as Treasurer and Juha Kinnunen as Secretary of the Section of Science. Päivi Pahta was elected Secretary of the Section of Humanities until the end of the 2019–2023 term. The ordinary members were Johanna Mappes, Jari Ojala, Heta Pyrhönen and Jukka Westermarck. The Governing Board held 9 meetings and one consultation by email during the year. Pekka Aula continued as Secretary General.

The members of the Governing Board served during the year as trustees of the Emil Öhmann Foundation and the Hilikka and Otto Brusiin Foundation.

The compositions of the committees and working groups set up by the Governing Board were as follows:

- Property Management Committee: Kimmo Kaski (chairman), Tuula Linna, Pekka Ilmakunnas, Pekka Aula, Juha Kinnunen, Päivi Pahta, and expert advisory members Anders Ekholm and Ralf Sunell. The secretary was Pekka Ilmakunnas.
- Prizes Committee: Kimmo Kaski (chairman), Juha Kinnunen, Päivi Pahta, Johanna Mappes, Jari Ojala and Jukka Westermarck. The committee's secretary was Leila Sarajärvi.
- Publications Committee: Risto Nieminen (chairman), Anna Mauranen (vice chairman), Secretary General Pekka Aula, Kimmo Kaski, Heta Pyrhönen, Jari Eloranta, Jaakko Husa, Päivi Pahta, Tapio Salmi, Hannu Sariola and Erkki Tomppo.
- Ethics Committee: Tuula Linna and Juha Kinnunen. The committee's secretary was Leila Sarajärvi.
- The trustees of the Emil Aaltonen Fund were Pekka Ilmakunnas, Kimmo Kaski and the Secretary General, together with Olavi Nevanlinna, representing the Emil Aaltonen Foundation.



In 2022, the Board of the Finnish Academy of Science and Letters met at the premises of the Academy in Mariankatu.

The members of the Selection Committee for the Section of the Humanities up until the Autumn Meeting 2022 were Heikki Halila, Marja-Liisa Helasvuo, Anne Kovalainen, Marja-Kristiina Lerkkanen, Outi Merisalo, Pirjo Markkola, Martti Nissinen (chairman) and Sirkka Saarinen. Helasvuo and Merisalo stepped down in the Autumn Meeting and Tuomas Forsberg and Minna Palander-Collin were elected as new members of the Selection Committee.

The members of the Selection Committee for the Section of Science up until the Autumn Meeting 2022 were Kari Enqvist, Jyrki Heino, Juha Kere (chairman), Jouko Korppi-Tommola, Ilkka Norros, Asla Pitkänen, Kaisa Poutanen and Kristiina Wähälä. Kere and Pitkänen stepped down in the Autumn Meeting and Olli Ikkala

and Sirpa Jalkanen were elected as new members of the Selection Committee.

## GRANTS AND PROJECTS

The Finnish Academy of Science and Letters distributed almost 2.5 million euros in grants in 2022. The majority of the grants were for young post-graduate researchers.

The value of an individual grant for post-graduate study was 26,000 euros. During the year under review, compensations to universities were no longer paid in conjunction with grants for doctoral studies, but when applying for grants, it was possible to also apply for a grant to cover the costs of research. No personal grants were awarded to Academy members. In accordance with the decision made in

## GOVERNING BOARD 2022

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Member	Position	Term
Kimmo Kaski	President, chairman of the Governing Board	2022–2023
Tuula Linna	Vice President, vice chairman of the Governing Board	2022–2023
Pekka Ilmakunnas	Treasurer	2019–2023
Päivi Pahta	Secretary, Section of Humanities	2022–2023
Juha Kinnunen	Secretary, Section of Science	2019–2023
Johanna Mappes	Member	2022 (3. term)
Jari Ojala	Member	2022 (3. term)
Heta Pyrhönen	Member	2022 (3. term)
Jukka Westermarck	Member	2022 (2. term)

2021, increasing the margin of distribution of grants in stages began.

Applications for grants were reviewed by reviewers appointed by the Governing Board who are leading experts in their fields, and the final decisions were made by the Board following the reviewers' recommendations. Attention was given to the possible incompatibilities of both the reviewers and the decision-makers when processing the grants of the funds and foundations administered by the Academy.

This was the 58th time that grants for scientific research were distributed from the Vilho, Yrjö and Kalle Väisälä Fund. Approximately 1.75 million euros (1.45 million in 2021) was awarded in grants. The Fund received a total of 253 (247) applications, with a sum of approx. 5.7 (5.7) million euros altogether.

Grants from the Väisälä Fund were awarded to 75 (64) applicants. These included 55 (50) post-graduate grants of 26,000 euros for full-time academic study for a duration of one year and 11 (9) grants for part of a year. A total of 5 (0) grants were awarded for research costs in addition to post-graduate grants. A total of 12 (6) grants were awarded for short-term research visits abroad, of which three were granted in addition to post-graduate grants.

The Eino Jutikkala Fund distributed grants for research in the humanities for the 15th time. The application fields under the Academy's Section of the Humanities are divided into two baskets, and applications in archaeology, history, law and social sciences were invited this year. This led to a total of 302 (330 in 2021) applications, amounting altogether to roughly 8.2 (8.4) million euros. Due to the division, the statistics are not directly comparable between two consecutive years.

Grants from the Jutikkala Fund were awarded to 19 (16) applicants, about 504,400 (429,100) euros in total. All these grants were for the commencement of doctoral studies.

The Academy's Mathematics Fund distributed roughly 114,000 (5,500) euros in grants and prizes, including 80,000 euros for organizing the General Assembly of the International Mathematical Union and the Fields Medal Award Ceremony. The Emil Öhmann Foundation, which is administered by the Academy, distributed 56,190 (48,000) euros in grants. The Hilikka and Otto Brusii Foundation distributes grants every second year: in 2022, the Foundation awarded 48,200 (30,000 in 2020) euros in grants. In addition, the Emil Öhmann Foundation awarded 1 (1) grantee a total of 3,000 (3,000) euros for financing short-term research in Berlin at the Finnish Institute in Germany.

In 2022, the Academy took part for the seventh year in the Säätiöiden post doc -pooli ("the Foundations' Post Doc Pool"). The sum awarded in 2022 was 200,000 euros. The grants awarded in 2022 amounted to 148,000 euros from the Väisälä Fund and 49,700 euros from the Jutikkala Fund. The unawarded 2,300 euros was transferred to be awarded in 2023.

The Maupertuis Programme, run jointly by the Finnish Academy of Science and Letters, the Finnish Society of Sciences and Letters, the French Institute in Helsinki, the French Embassy to Finland and the French Ministry of Higher Education, Research and Innovation, distributed 25 (25) international mobility grants for bilateral visits by researchers and experts. It was decided in 2022 that the Academy will no longer participate in the programme in 2023.

During the year, the Governing Board decided to establish the Väisälä project grant of the Finnish Academy of Science and Letters for early-career tenure-track researchers working in Finland looking to set up their own research group and cover the research costs of the group. It was decided that the first round of grant funding would be opened in early 2023.

During the year, preparations were made to start a large project entitled The History of Science in Finland, coordinated by the Finnish Academy of Science and Letters and the Finnish Society of Sciences and Letters. The aim of the project is to gather personal recollections from Finnish scientists and to produce a series of books on the history of science in Finland during its independence. Stefan Nygård, who works at the Academy, was appointed the scientific coordinator for the project.

## PRIZES

The Finnish Academy of Science and Letters Academy Award 2022, a sum of 30,000 euros, was presented to Academician of Science Sirpa Jalkanen for her substantial achievements in immunology. She was also presented with Academy Medal No. 34.

The Finnish Academy of Science and Letters Prize for the Humanities, now awarded for the 12th time and amounting to 15,000 euros, was awarded to Carita Kiili, Academy Research Fellow at Tampere University.

The Academy's Väisälä Prizes 2022 were given to Associate Professor Vesa Julin from the University of Jyväskylä and Associate Professor Katrianne Lehtipalo from the University of Helsinki. These

prizes were now awarded for the 23rd time, and they are worth 15,000 euros each.

The Eino Jutikkala History Prize, awarded every three years, was presented to Professor Jari Eloranta. The prize is worth 15,000 euros.

Over the course of the year, the Academy proposed candidates for the Balzan Prize, the Gad Rausing Prize, the International Prize of the Fyssen Foundation, the Holberg Prize, the Körber Prize, the Louis-Jeantet Prize, the Nils Klim Prize and Olav Thon Foundation's International Research Award for Mathematics/Natural Sciences and Medicine.

As for national awards, the Academy proposed candidates during the year for the Alfred Kordelin Prize and the State Award for Public Information.

## MEETINGS AND EVENTS

The Finnish Academy of Science and Letters held themed monthly evenings throughout the year 2022. Due to the COVID-19 pandemic, the February event was still held entirely online, so that only the speakers of the event were present at the location. Starting in March, events became open to the public. In addition to this, many of the events were also streamed live online. The events gathered excellent audiences.

The May event was organized in Kuopio in collaboration with the University of Eastern Finland. In October, the Academy took part in a Nobel Prize discussion event together with other academies of science and Helsingin Sanomat newspaper. The event was broadcast live from Sanoma House.

- 14 Feb. Perustutkimus ("Basic research"): Live streaming online,



During 2022, the Finnish Academy of Science and Letters organised themed events throughout the year. Starting in March, the events were also open to the public.

- streamed from the premises of the Finnish Academy of Science and Letters
  - 31 Mar. Suomalainen kriinkestävyys 2020-luvulla (“Finnish resilience in the 2020s”): The Great Hall of the University of Helsinki and live streaming online
  - 10 May Monitieteistä ilmasto- ja terveystutkimusta Itä-Suomen yliopistossa (“Multidisciplinary climate and health research at the University of Eastern Finland”): University of Eastern Finland, Kuopio Campus
  - 12 Sep. Thematic meeting: Tiede ja Ukraina nyt (“Science and Ukraine now”): House of the Estates and live streaming online
  - 10 Oct. Thematic meeting: Ilta humanistisille tieteille (“Evening dedicated to the humanities”): House of the Estates and live streaming online
  - 14 Nov. Thematic meeting: Energia (“Energy”): House of the Estates and live streaming online
  - 12 Dec. Thematic meeting: Ilta matemaattis-luonnontieteellisille tieteille (“Evening dedicated to mathematics and science”): House of the Estates and live streaming online
- Section meetings were held as remote events in March. Of the annual general meetings, the Spring Meeting in April had a hybrid format so that some of the partici-

pants were present at the venue and some attended remotely, and the Autumn Meeting in November was held only at the House of the Estates without the possibility of remote participation.

The Academy's Psychology and Pedagogy Group held an event entitled "COVID-19-pandemian jäljet oppilaitoksissa ja perheissä" ("Impact of the COVID-19 pandemic on schools and families"). The hybrid event took place on 16 March in the auditorium of the National Museum.

The first Science Matinée in the history of the Academy was held on 9 December. The event kicked off the project The History of Science in Finland. The Science Matinée is a discussion event for members of the Academy.

No audience events were held in connection with the Maupertuis Programme.

A list of meetings and events can be found in Appendix 1. Video recordings of the meetings and events can be viewed on the Academy's website.

## SCIENCE AND POLICY

During the year, the activities of the Science Advice Initiative of Finland (Sofi) project were established as part of the Finnish Academy of Science and Letters. An analysis of Sofi's achievements and lessons was conducted and plans were made to continue the work. One of the longer-term objectives of the work is to make Finland the world's leading country in evidence-informed decision-making. Strategic planning to support the work in the upcoming years was carried out together with the Board of the Academy. It was decided that work would focus on the following priorities: 1) supporting researchers

in increasing the impact of their work; 2) working as a connecting hub by building stronger connections in the science-policy interface; 3) developing new operating models for evidence-informed decision-making.

The Academy received one million euros from the Jane and Aatos Erkko Foundation in additional funding for the next four years for activities that promote the societal impact of science. The project aims to develop new tools for gathering and channelling the latest, high-quality research evidence and expert analysis to support societal decision-making. The Science and Policy team received a new member near the end of the year, knowledge broker Iiris Koivulehto. Over the course of the year, so-called science sparring workshops were organized with two ministries and the work of the project was presented in seven European countries.

## INTERNATIONAL ACTIVITIES

The Academy strengthened existing and built new international relations, particularly under the Science and Policy theme. The Academy organized several discussions with European academies of science on evidence-informed decision-making and the role of academies of science in future societies. The Academy visited Leopoldina (German National Academy of Sciences) in Germany, KNAW (Royal Netherlands Academy of Arts and Sciences) in the Netherlands, and RSE (The Royal Society of Edinburgh) in Scotland. A remote meeting was held with SCNAT (Swiss Academy of Sciences), and the Estonian Academy of Sciences visited the premises at Mariankatu. The Academy partici-

pated in the Annual Meeting of the European Science Advisors Forum in Vilnius as the Finnish representative. The Academy was an invited guest at the European Commission's JRC (Joint Research Centre), WRR (The Netherlands Scientific Council for Government Policy) in the Netherlands, and the Cabinet Office in the United Kingdom. Activities were also presented at the Science Advice at Times of Crises conference of SAPEA (Science Advice for Policy by European Academies) in Brussels.

## The Academy received one million euros from the Jane and Aatos Erkko Foundation for activities that promote the societal impact of science

Contacts to international scientific organizations by the Finnish Academy of Science and Letters took place mainly under the auspices of the Council of Finnish Academies (CoFA), the cooperative body for the science academies in Finland. The Academy's President was a member of the executive committee of CoFA and the Academy's Vice President acted as their deputy. The Secretary General was also a member of the executive committee, but without a vote. The Academy was represented on CoFA's International Affairs Committee (IAC) by Anna Mauranen, who also acted as chairman of the committee, and by Olavi Nevanlinna. The chairman of CoFA's Human Rights Committee was Liisa Laakso.

The Finnish Academy of Science and Letters continued for the fifth year as the academy chiefly responsible for CoFA's affairs. CoFA plays an important part in the reform of the Finnish system of academies of science and will be crucial in determining the direction this system will take in the future. Within the framework of their agreement, the academies of science will participate even more actively in developing the scientific community and its internationalization. During the year, it was decided in accordance with the memorandum of association of CoFA that the activities of CoFA would be transferred from the administration of the Academy to the Finnish Society of Science and Letters. Following negotiations with the Society, the move of the secretariat of CoFA took place in December.

Through the medium of CoFA, members of the Finnish Academy of Science and Letters held positions of trust in several international scientific organizations: Mats Gyllenberg, Maija Tenkanen, Jukka Seppälä, Pirjo Peltonen-Sainio and Hanna Tuomisto in EASAC; Anna Mauranen, Ahti Salo, Pekka Aula (until March) and Mari Vaatovaara in ISC; Mika Kajava in UAI; Liisa Laakso in the International Human Rights Network; Krista Varantola and Risto Kuneilius in ALLEA; Mikko Hupa (until March) in Euro-CASE; Jukka Seppälä in SAPEA; and Elina Ikonen and Olli Vapalahti in IAP.

The Academy appoints members to various national committees. In the case of the Finnish National Committee of Arctic and Antarctic Research (SCAR, IASC), the Academy's representative was Atte Korhola, with Juha Pekka Lunkka as his deputy. The representative on the National Committee for Astronomy (IAU) was Karri Muinonen. The representatives on





The new members of the Finnish Academy of Science and Letters in 2022 were celebrated at a theme night at the House of the Estates in September.

the National Committee for Radio Science (URSI) were Karri Muinonen and Esa Kallio, with Ilya Usoskin as the deputy. Kimmo Kahma was the representative on the National Committee for Marine Research (SCOR), Juha Pekka Lunkka on the National Committee for Quaternary Research (INQUA), Ilkka Norros on the National Committee on Theoretical and Applied Mechanics (IUTAM) and Juha Pekka Lunkka on the National Committee for Geology (IUGS).

The Academy was represented by Kimmo Kaski at the STS forum in Kyoto, Japan.

#### MEMBERSHIP

In its Spring Meeting, the Finnish Academy of Science and Letters invited Professor Marjatta Hietala, Professor Bengt Holmström and Academician of Science Risto Nieminen as honorary members of

the Academy. They were also presented with Academy Medals 35–37.

The Finnish Academy of Science and Letters had 832 Finnish members and 172 external members at the end of 2022.

Altogether 27 new Finnish members and 4 new external members were elected in the Spring Meeting on 22 April.

The new members elected to the Section of Science were Juha Honkala (University of Turku), Kaarle Hämeri (University of Helsinki), Janne Laine (Aalto University), Perttu Lindsberg (University of Helsinki), Hannes Lohi (University of Helsinki), Seppo Mattila (University of Turku), Eeva Moilanen (Tampere University), Taina Rantanen (University of Jyväskylä), Zhipei Sun (Aalto University), Nikolai Tkachenko (Tampere University), Marko Virta (University of Helsinki) and Guoying Zhao (University of Oulu).

The new members elected to the Section of the Humanities were Juhana Aunesluoma (University of Helsinki), Kaisa Aunola (University of Jyväskylä), Sara Heinämaa (University of Jyväskylä), Pekka Kujamäki (University of Graz), Mikko Laitinen (University of Eastern Finland), Outi Lehtipuu (University of Helsinki), Ulla Liukkunen (University of Helsinki), Lauri Nummenmaa (national PET Centre), Matti Peikola (University of Turku), Raimo Siltala (University of Turku), Pamela Slotte (Åbo Akademi University), Eero Vaara (University of Oxford), Hannu Vartiainen (University of Helsinki), Kustaa H. J. Vilkkuna (University of Jyväskylä) and Jussi Ylikoski (University of Oulu).

The new external members elected to the Finnish Academy of Science and Letters were Manfred J. Holler (University of Hamburg, Germany), Antti Pulkkinen (NASA Goddard Space Flight Center,

USA), Peter Adolf Schwerdtfeger (Massey University, New Zealand) and Herbert Sixta (Aalto University).

The Academy mourned the deaths of the following ordinary members during the year: Antti Ahlström, Risto Alapuro, Henry Bacon, Lauri Eskola, Eero Holopainen, Veli-Pekka Järveläinen, Juhani Kakkuri, Aarne Kinnunen, Simo Knuutila, Heikki Leskinen, Jaakko Nousiainen, Heikki Palva, Markus Pessa, Kalevi Pihlaja, Tuomo Polvinen, Olavi Riihinen, Rauno Ruuhijärvi, Hannu Saloniemi, Olli Tammi, Aimo Tietäväinen, Peter Tigerstedt and Päiviö Tommila.

News was also received of the death of external members Helmut Moritz, Yurij Reshetnyak, Jouni Uitto and Edward Wilson.

After the prolonged COVID-19 lockdown, the premises of the Academy on the 2nd floor at Mariankatu could finally be opened to members according to plan.

## YOUNG ACADEMY FINLAND

Year 2022 was the fifth full year of operation for Young Academy Finland (YAF), founded with the aim of promoting science, especially from the viewpoint of young researchers who are just starting their careers. The Chair of the Board of Young Academy Finland was Jenni Raitoharju until 16 September, followed by Olli-Ville Laukkanen. Young Academy Finland had a total of 84 members and 53 alumni during the year.

Young Academy Finland was to a large extent made possible by the donation of a million euros in 2017 from the Emil Aaltonen Foundation to the Finnish Academy of Science and Letters for establishing YAF.

A separate Emil Aaltonen Fund was set up as a result of this donation. Young Academy Finland works in association with the Finnish Academy of Science and Letters. It issues its own annual report every year.

## PUBLICATIONS

The first issue of *Annales Academiae Scientiarum Fennicae*, a new multidisciplinary series of the Academy, was published during the year. Efforts were made to publish the first issue of the series already back in 2021, and this was finally possible in autumn 2022. In the future, the series will be published online biannually as an open access publication at [journal.fi](http://journal.fi). The first issue featured all three languages of the publication – Finnish, English and Swedish – and a versatile selection of natural sciences, humanities and social sciences. Altogether eight original articles were published in AASF 1/2022.

The Academy also published a Year Book in Finnish and in English in 2022.

The chairman of the Academy's Publications Committee was Risto Nieminen and the vice chairman Anna Mauranen. The other members were Secretary General Pekka Aula, Kimmo Kaski, Heta Pyrhönen, Jari Eloranta, Jaakko Husa, Päivi Pahta, Tapio Salmi, Hannu Sariola and Erkki Tomppo. The members presented themselves as candidates for the Publications Committee. The Publications Committee held one meeting during the year.

The Academy received a government grant of 28,000 euros (73,000 euros in 2021) for its publications in 2022, while the income from publication sales was approx. 2,500 (approx. 6,900) euros. Exchange of the Academy's publications is

managed by the Exchange Centre for Scientific Literature run by the Federation of Finnish Learned Societies. The Academy had 53 (55) overseas exchange partners at the end of the year, and a total of 54 (143) publications were sent out in this way.

A joint publishing committee was established in the beginning of 1996 to coordinate the publications of the Finnish Academy of Science and Letters and the Finnish Society of Sciences and Letters. The committee is elected for a three-year term, and a representative of the Academy or the Society is elected as chairman of the committee in alternating terms. The chairman for the term 2021–2023 is Jari Ojala who represents the Finnish Academy of Science and Letters.

## COMMUNICATIONS

During the year, the Academy focused on its communication and hired two new employees in its communications team. The new visual image of the Academy was completed during the year. Another area of development was the new website, which was completed and published in May 2022. Minor adjustments to the website were made until the end of the year. The new website is designed to be user-friendly, visual and mobile-friendly.

A new area of development for the Academy during the year were various video productions. In August, a new communications specialist started working at the Academy and their responsibilities include the visual communication of the Academy. In the autumn, videos were produced, e.g., of the winners of the Finnish Academy of Science and Letters Prize for the Humanities, the Eino Jutikkala History



The Finnish Academy of Science and Letters renovated its meeting rooms at Mariankatu 5, which were in active use in 2022. After the prolonged COVID-19 lockdown, the premises of the Academy on the 2nd floor at Mariankatu could finally be opened to members according to plan.

Prize and the Väisälä Prize. In addition, the Academy produced a video in collaboration with Young Academy Finland for World Mental Health Day on 10 October 2022. The video focused on the wellbeing and mental health issues of young Finns from several different perspectives.

In addition to the Academy's website, key channels for communication were the letter to members, which was sent 10 times during the year, and the Academy's Twitter account, Facebook pages and, increasingly, LinkedIn. During the year, the target

groups, main messages and channels of communication for each target group were defined more clearly. A press release distribution service and a media monitoring tool were used in external communication.

In terms of internal communication, the exchange of information between different teams was given special attention during the year. A new project tool was designed for the office of the Academy to help all employees keep track of the projects that are currently in progress at the Academy and the status of each project.

During the year, communications were planned and implemented widely in the Communications Team, which also includes individuals from the Administrative Team and the Science and Policy team.

## FINANCES AND PROPERTY MANAGEMENT

The Property Management Committee, the advisory body of the Governing Board on financial matters, consisted of Kimmo Kaski, Tuula Linna, Juha Kinnunen, Päivi Pahta, Pekka Ilmakunnas and Pekka Aula. Anders Ekholm and Ralf Sunell served as expert advisors. The Academy's assets were managed in accordance with the investment strategy for the Academy itself, its funds and the foundations under its administration. This strategy was updated in 2021.

The total value of the investments held by the Academy and its various funds at the end of 2022 was approximately 198 million euros (241 million euros at the end of the previous year), with a further sum of 4.5 million euros held by the foundations under the Academy's administration at the end of 2022.

These investments, comprising portfolios of shares and bonds, shares in Vaisala Oyj, and alternative investments, were managed by Nordea and Evli. All the offices in the property at Mariankatu 5 are owned directly by the Academy, while otherwise most of the Academy's property investments are in eQ unit trusts. The other alternative investments are in private equity funds, principally the Hamilton Lane Club Fund.

Stock prices fell dramatically in 2022. In the year under review, the total return

on assets, including dividends, interests, rents and changes in property values, but excluding the Vaisala Oyj shares, was about -10% (about 20% in the previous year). Vaisala Oyj shares decreased more than other shares, and the overall return for the year, including these shares, was approx. -17% (25% in the previous year).

The auditor of the Academy's accounts and administrative procedures in 2022 was Professor, KHT auditor Markku Koskela, with KHT auditor Riku Kärnä as his deputy. The auditors' report and report on financial management will be published with the 2023 Year Book.

## STAFF

The Academy's Secretary General was Professor Pekka Aula. The Administrative Manager was Leila Sarajärvi, the Administrative Secretary Nina Rapelo and the Administrative Assistant Emilia Lähde. The Communications Specialist was Klaus Elfving until 8 April, and Anna Chydenius and Alekski Kylmälahti as of 8 August. The Science Secretary (50%) at Young Academy Finland was Riikka Hiltunen. The project "Meet a Researcher" was led by Kim Krapala. The Academy Secretary at CoFA under the Academy's administration was Arto Miettinen and the Science Secretary was Veera Launis (on leave 1 July – 31 December). The Secretary General of the Academy acted as the administrative head of the CoFA secretariat.

The Academy strengthened its science and policy development activities in the beginning of the year by hiring Jaakko Kuosmanen and Nanna Särkkä, who previously worked at Sofi, the joint project of the academies of science. These activities

were further strengthened when Iris Koivulehto joined the team as a new employee in October.

The staff attended a wide variety of training events and seminars. A project focusing on staff wellbeing and the organization and development of work continued during the year. One of the key changes was the introduction of a team structure in the office.

The Academy paid salaries or fees to a total of 31 persons during the year.

## OTHER ACTIVITIES

During the year, the Governing Board proposed members for several working groups and bodies by request. The Finnish Academy of Science and Letters has representatives in many institutions and organizations both at home and abroad.

Anna Mauranen was a member in the International Affairs Forum for Higher Education and Research set up by the Ministry of Education and Culture for the term 2020–2023.

The Academy is a member of the Federation of Finnish Learned Societies (TSV). It was represented on the board of the Federation by Arto Haapala (deputy Elina Ikonen) and Anna Mauranen (deputy Kimmo Kaski).

Pekka Ilmakunnas represented the Academy at the Federation's spring meeting in March and the autumn meeting in September, and Risto Nieminen was its representative on the steering committee of the Federation's publishing forum.

The Academy was represented on the Board of Directors of the Alfred Kordelin Foundation by Jukka Seppälä (deputy Keijo Hämäläinen) and Hannu Riikonen (Mari

Vaattovaara) until 6 November and Anna Mauranen (Mari Vaattovaara) as of 7 November. The representatives in the Foundation's section for science were Sami Pihlström (deputy Tuomas Forsberg) and Eija Kalso (Hilkka Soininen) until 6 November and Tapio Mappes (Gabriel Sanus) as of 7 November. The representative in the section for public education was Markku Löytönen (Risto Nieminen), and in the section for literature Heta Pyrhönen (Marjatta Palander) until 6 November and Sari Kivistö (Tomi Huttunen) as of 7 November. Ville Lukkarinen (Annika Waenerberg) was the representative in the arts section until 6 November and Helmi Järviluoma-Mäkelä (Arto Haapala) as of 7 November.

The Academy's representatives on the Finnish Zoological and Botanical Publishing Board were Jaana Bäck and Jukka Jernvall, while Tapio Raunio represented the Academy in the Foundation for Foreign Policy Research. The Academy's representative in the Finnish Foundations' Post Doc Pool was Anna Mauranen, with Kaisa Nyberg as her deputy, and Secretary General Pekka Aula served as the Academy's representative on the national LUMA Advisory Board. Anna Mauranen was nominated by the Academy as a member of the Board of Directors of the Finnish Research Impact Foundation.

The following members of the Academy were serving on the research councils of the Academy of Finland at the end of 2022: Petri Karonen and Matti Miestamo on the Research Council for Culture and Society; Ari Jokinen, Timo Repo and Marjo Yliperttula on the Research Council for Natural Sciences and Engineering; and Jussi Kukkonen, Toni Laaksonen, Jorma Palvimo and Anne Toppinen on the Research Council for Biosciences, Health

and the Environment. Petri Karonen and Jussi Kukkonen also acted as the chairs of their respective council. Kari Elenius, Johanna Myllyrinne as chair and Kirsi Tirri have served on the Board of the Academy of Finland. Anne Kovalainen has been a member of the Strategic Research Council.

Pekka Ilmakunnas represented the Academy at the annual general meeting of the Mariankatu 5–7 property company in March. Pekka Aula sat on the board of the property company for part of the year and was replaced by Pekka Ilmakunnas, who also served as chair of the board.

Pekka Aula was the Academy's representative at the annual meeting of the Finnish Zoological and Botanical Publishing Board in March, and at the spring meeting of the Association of Finnish Foundations. Leila Sarajärvi represented the Academy at the autumn meeting of the Association of Finnish Foundations. Pekka Ilmakunnas represented the Academy at the shareholders' meeting of Vaisala Oyj in March.

Maria Lähteenmäki represented the Academy on the Programme Committee of the Science Forum, and Pekka Aula in its steering group.

## APPENDIX 1 MEETINGS AND EVENTS IN 2022

### 14 February: Perustutkimus ("Basic research")

- Streamed live from the facilities of the Academy
- The first thematic meeting of the year 2022 featured a discussion on basic research and its significance in societal development and wellbeing. The event was held remotely.
- The speakers at the event were Rector, Professor Keijo Hämäläinen from the University of Jyväskylä; Dean, Professor Päivi Pahta from Tampere University; and Chair of the Board of Directors of the Confederation of Finnish Industries Jaana Tuominen. The discussion was led by President of the Board of the Academy Kimmo Kaski.
- The recording is available for the time being at [www.acadsci.fi](http://www.acadsci.fi)

### 31 March: Suomalainen kriinkestävyys 2020-luvulla ("Finnish resilience in the 2020s")

- The Great Hall of the University of Helsinki, live streaming online
- The event was organized in cooperation with the National Defence Course Association.
- The event featured a discussion on resilience from a wide variety of perspectives: What is resilience, how does culture, for instance, maintain mental resilience, what is the significance of open data in science diplomacy and how has Finland succeeded in addressing the challenges posed by the pandemic?

- The event was opened by Secretary General of the Finnish Academy of Science and Letters, Professor Pekka Aula and Chairman of the National Defence Course Association, President of the Supreme Administrative Court Kari Kuusiniemi. A speech from Minister of Defence Antti Kaikkonen was also heard in the beginning of the event.
- The panel discussion was moderated by Director of the Finnish Business and Policy Forum Emilia Kullas. The panellists were Director of the Finnish Institute for Health and Welfare Mika Salminen; Permanent Under-Secretary at the Ministry of Finance Leena Mörntinen; General Director at the Finnish National Opera and Ballet Gita Kadambi; University of Helsinki researcher, Academician of Science Markku Kulmala; and Director of the European Centre of Excellence for Countering Hybrid Threats Teija Tiilikainen.
- The recording is available for the time being at [www.acadsci.fi](http://www.acadsci.fi)

### 14 March: Section meetings

### 16 March: Seminar of the Psychology and Pedagogy Group: "COVID-19-pandemian jäljet oppilaitoksissa ja perheissä" ("Impact of the COVID-19 pandemic on schools and families")

### 22 April: Spring Meeting

- The Finnish Academy of Science and Letters awarded the Academy Award and Medal No. 34 to Academician of Science Sirpa Jalkanen (University of Turku).



- Regular items were discussed and decided in the Spring Meeting.
- The Spring Meeting was followed by a gala dinner.

**10 May: Monitieteistä ilmasto- ja terveystutkimusta Itä-Suomen yliopistossa (“Multidisciplinary climate and health research at the University of Eastern Finland”)**

- University of Eastern Finland, Kuopio Campus
- The seminar was organized by the Finnish Academy of Science and Letters in collaboration with the University of Eastern Finland. Researchers in the natural sciences, health sciences and social sciences conduct multidisciplinary, collaborative climate research at the University of Eastern Finland. The seminar presented the perspectives of a physicist, an environmental scientist, a brain researcher and a legal expert on the research.
- The seminar was opened by Dean Kari Lehtinen and President of the Board of the Finnish Academy of Science and Letters, Professor Kimmo Kaski.
- The speakers at the event were Professor Kimmo Kaski, Professor Annele Virtanen, Associate Professor Pasi Jalava, Professor Tarja Malm and Senior Lecturer Tuula Honkonen.

**12 September Thematic meeting: Tiede ja Ukraina nyt (“Science and Ukraine now”)**

- House of the Estates, live streaming online
- How does the war in Ukraine change our perception of recent European history and history more broadly? How

does the ongoing war affect the European field of science and the research of individual scientists?

- The topic was introduced by Professor of Political History at the University of Helsinki Juhana Aunesluoma and Professor of Animal Ecology at the University of Jyväskylä Tapio Mappes.
- The recording is available for the time being at [www.acadsci.fi](http://www.acadsci.fi)

**10 October: Thematic meeting: Ilta humanistisille tieteille (“Evening dedicated to the humanities”)**

- House of the Estates, live streaming online
- The October event of the Academy was a celebration of the humanities. The Finnish Academy of Science and Letters Prize for the Humanities and the Eino Jutikkala History Prize were presented during the evening, and the winners gave speeches about their research. The Prize for the Humanities was received by Academy Research Fellow Carita Kiili and the Eino Jutikkala History Prize by Professor Jari Eloranta.
- The recipients of grants from the Eino Jutikkala Fund, the Emil Öhmann Foundation and the Hilikka and Otto Brusiin Foundation were also announced.
- The recording is available for the time being at [www.acadsci.fi](http://www.acadsci.fi)

**27 October: Great Nobel event**

- The event was organized in cooperation with the Council of Finnish Academies, other academies of science and Helsingin Sanomat and broadcast live from Sanoma House.
- The event featured expert-led presentations of the 2022 Nobel laureates and

their research topics, achievements and their significance.

- The event was streamed live on the website of Helsingin Sanomat.

#### 14 November: Thematic meeting: Energia (“Energy”)

- House of the Estates, live streaming online
- The thematic meeting in November offered insight into future energy choices. What do the energy solutions of tomorrow look like and what will their impact be on the environment, society, economy and human behaviour?
- The topic was introduced by Professor of Engineering Physics at Aalto University Peter Lund, Research Professor at the Finnish Environment Institute Paula Kivimaa (Strategic Programme on Climate Change) and Professor of Economics at Aalto University Matti Liski.
- The recording is available for the time being at [www.acadsci.fi](http://www.acadsci.fi)

#### 9 December: Science Matinée

- Meeting rooms of the Finnish Academy of Science and Letters
- The first part of the History of Science in Finland, a project led by the Finnish Academy of Science and Letters and the Finnish Society of Sciences and Letters, was announced at the Science Matinée: gathering personal recollections from scientists in cooperation with the Finnish Literature Society and the Society of Swedish Literature in Finland. The project also involves the

Federation of Finnish Learned Societies (TSV), the Finnish Historical Society and the National Archives of Finland.

- The event was only for members of the Finnish Academy of Science and Letters.
- The event was opened by Secretary General Pekka Aula and featured an introduction by Science Coordinator Stefan Nygård.
- Round table discussion: Professors Kimmo Kaski, Hannu Koskinen and Lea Pulkkinen
- The event was hosted by member of the Board of Directors of the Academy, Professor Jari Ojala.

#### 12 December: Thematic meeting: Iltta matemaattis-luonnontieteellisille tieteille (“Evening dedicated to mathematics and science”)

- House of the Estates, live streaming online
- The Academy’s thematic evening in December was dedicated to mathematics and science. The 2022 Väisälä Prizes of the Finnish Academy of Science and Letters were presented at the event and the recipients gave presentations on their fields and research. The prizes were received by Associate Professor Vesa Julin and Associate Professor Katrianne Lehtipalo.
- In addition, the recipients of grants from the Vilho, Yrjö and Kalle Väisälä Fund of the Finnish Academy of Science and Letters were announced.
- The recording is available for the time being at [www.acadsci.fi](http://www.acadsci.fi)