

# Annual report of the Finnish Academy of Science and Letters

## GOVERNING BOARD AND SECRETARY GENERAL

The President, i.e. chairman of the Governing Board, of the Finnish Academy of Science and Letters in 2018, the 111th year in the Academy's history, was Risto Nieminen and the Vice President Anna Mauranen. Pekka Ilmakunnas continued as Treasurer, Erkki Hollo as Secretary of the Section of the Humanities and Olavi Nevanlinna as Secretary of the Section of Science. The ordinary members of the board were Arto Haapala, Maria Lähteenmäki and Merja Penttilä, together with Eliina Ikonen as a new ordinary member. The Governing Board held 11 meetings during the year. Pekka Aula continued as Secretary General.

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: Risto Nieminen (chair), Anna Mauranen, Pekka Ilmakunnas, Erkki Hollo (secretary), Pekka Aula and Kati Eriksson.
- Prizes Committee: Risto Nieminen (chair), Olavi Nevanlinna, Erkki Hollo, Maria Lähteenmäki and Merja Penttilä.
- Publications Committee: Olli Martio (chair), Jaakko Hämeen-Anttila (editor-in-chief of the *Humaniora* series), Pekka Hakamies (editor-in-chief of the *FFC* series) and Secretary General Pekka Aula. The committee's secretary was Mika Koskenoja (editorial secretary of the *Mathematica* series).
- Olavi Nevanlinna, Pekka Ilmakunnas and Maria Lähteenmäki continued to act as trustees of the Emil Aaltonen Foundation.

The members of the Selection Committee for the Section of the Humanities up until the Autumn General Meeting 2018 were Henry Bacon, Risto Heiskala, Seppo



*The secretaries of the two sections, Erkki Hollo and Olavi Nevanlinna, were serving for their last year in this capacity in 2018. Both of them had been long-standing members of the Governing Board.*

Honkapohja, Petri Karonen (chairman), Jari Lavonen, Tuula Linna, Virpi Mäkinen and Päivi Pahta. At the Autumn Meeting Seppo Honkapohja and Tuula Linna were replaced by Marja-Liisa Helasvuo and Outi Merisalo.

The members of the Selection Committee for the Section of Science up until the Autumn General Meeting 2018 were Eva-Mari Aro, Kimmo Kaski, Erkki Korpimäki, Hannu Koskinen, Markku Leskelä (chairman), Kaisa Nyberg, Vieno Piironen and Heikki Ruskoaho. At the Autumn Meeting Eva-Mari Aro and Heikki Ruskoaho were replaced by Juha Kere and Asla Pitkänen.

A revision of the regulations governing the Mathematics Fund was made during the year.

## GRANTS

The Academy distributed just over 2 million euros in grants in 2018, the majority being for post-graduate study, for which the value of an individual grant was 25 000

euros. In all those cases in which a grant was made for the completion of a doctorate within Finland an additional sum of 1600 euros was paid directly to the university concerned in compensation for the costs involved. No personal grants were awarded to Academy members.

Applications for grants were reviewed by experts appointed by the Governing Board who represented the highest expertise in the fields concerned, and the final decisions were made by the Board in the light of their recommendations. Attention was paid to the possibility of vested interests at both the review and decision stages in the case of the funds and foundations administered by the Academy.

This was the 54th year in which grants for scientific research had been distributed by the Vilho, Yrjö and Kalle Väisälä Fund. A total of 375 applications had been received (420 in 2017) amounting to approx. 7.8 (8.5) million euros in all, out of which 77 (53 in 2017) were approved, amounting to approx. 1.4 (1.4) million eu-

## GOVERNING BOARD 2018

Member	Position	Term of office
Risto Nieminen	President, chairman of the Governing Board	2018–2019
Anna Mauranen	Vice President, vice chairman of the Governing Board	2018–2019
Pekka Ilmakunnas	Treasurer	2014–2018
Erkki Hollo	Secretary, Section of Humanities	2014–2018
Olavi Nevanlinna	Secretary, Section of Science	2014–2018
Arto Haapala	Ordinary member	2018 (2nd term)
Maria Lähteenmäki	Ordinary member	2018 (2nd term)
Merja Penttilä	Ordinary member	2018 (2nd term)
Elina Ikonen	Ordinary member	2018 (1st term)

ros. These awards included 45 (50 in 2017) post-graduate grants of 25 000 euros for full-time study for a duration of one year and 13 for part of a year. In addition, four recipients of post-graduate grants were also awarded travel grants and 19 short-term grants for visits abroad were made (21 in 2017), totalling just over 41 590 (5 700) euros.

### *The Academy distributed just over 2 million euros in grants in 2018*

The Eino Jutikkala Fund was distributing grants for study in the humanities for the eleventh time. Applications were invited for all branches of the humanities and a total of 458 such applications (675 in 2017) were received, amounting altogether to just over 10 (16) million euros. In the end 22 awards were made (23 in 2017), totalling 437 000 (438 000) euros, 17 (16) of these being for the completion of a doctorate. In addition, five awards were made for short-term study visits abroad, totalling 37 400 euros.

The Academy's Mathematics Fund distributed more than 45 000 euros in grants (52 000 in 2017) and the Emil Öhmann Foundation, which is also administered by the Academy, distributed 50 000 (57 000) euros. Similarly, the Hilikka and Otto Brusin Foundation, which distributes funds only every second year, paid out a total of 30 000 euros in 2018 (29 860 in 2016).

In 2018 the Academy took part for the third time in the post-doctoral scholarship pool established by the Council of Finnish

Foundations, contributing 150 000 euros. Given that a certain proportion of the previous year's post-doctoral awards had later been withdrawn, a total of 141 000 euros from the Väisälä Fund and 50 000 euros from the Jutikkala Fund were actually distributed in 2018.

#### **PRIZES**

The Finnish Academy of Science and Letters Award for 2018, a sum of 30 000 euros, was presented to Academician Eva-Mari Aro in recognition of her notable academic achievements. She was also presented with Academy Medal No. 30.

The Finnish Academy of Science and Letters Prize for the Humanities, amounting to 15 000 euros, was awarded to Associate Professor Maria Lasonen-Aarnio of the University of Helsinki.

The Academy's Väisälä Prizes for 2018 went to Professor Tero Heikkilä of the University of Jyväskylä, Professor Jani Lukkarinen of the University of Helsinki and Professor Otso Ovaskainen, also of the University of Helsinki. This was the 19th occasion on which these prizes, each of 15 000 euros, have been awarded.

#### **MEETINGS AND EVENTS**

The Finnish Academy of Science and Letters held its meetings in the traditional manner in 2018, on the second Monday in each month except for January and the summer months. This year the meetings formed part of a series of seminars entitled "Science and Human Life" held in honour of the Academy's 110th anniversary.

The meeting in May was arranged in Tampere, enabling members to visit the premises of the Emil Aaltonen Founda-



*The Academy arranged a number of its traditional open meetings on particular themes in the course of the year. In December the theme was “Science and money” and one of the speakers was Professor Yrjö Neuvo.*

tion and to take part in an open forum on “The path to reforming Finland’s Health and Social Services System” arranged at the University of Tampere in the afternoon that also belonged to the same series of seminars.

Sectional meetings were held in connection with the monthly meeting in March 2018, the Annual General Meeting (Spring Meeting) took place in April and the Autumn Meeting was in November. An additional meeting was held in connection with the monthly meeting in February to determine the number of new members to be selected in spring 2018, and a further meeting in December to determine the number to be selected in spring 2019.

One meeting that was open to the general public was organized by a subject group within the Academy during the

year, namely the seminar “Chemistry in Finland 2018 – Solutions to Major Challenges”, arranged by the Chemistry Group in the House of Science and Letters in April.

A two-day symposium on “Culture in a Political Context – Theorizing Engagements in Contemporary Societies” was arranged jointly by the Finnish Academy of Science and Letters, the Finnish Society of Sciences and Letters and the French Ministry for Higher Education, under the joint Maupertuis Programme “Research and Innovation” in Tampere at the end of May and the beginning of June. The main speaker was the French Professor Laurent Thévenot. A second meeting belonging to the same programme, at which the principal speaker was Professor Claire Voisin, was held in Helsinki in August.

On the 19th October the Finnish Academy of Science and Letters organized the Science Gala 2018 which was held in the Old Student Building in Helsinki to mark the Academy's 110th anniversary. In October members also took part in a Nobel Prize discussion in the Mediatori auditorium of the Sanoma building together with members of the other academies and representatives of the Helsingin Sanomat newspaper.

An international seminar entitled "Europe on Test: Union and Disunion" was arranged jointly with CoFA at the House of the Estates in November, and in December the Academy took part in the AI Day at Dipoli with its own panel discussion evening on "The Social Impact of AI", chaired by Risto Nieminen and with professors Petri Ylikoski, Aki Vehtari, Petri Myllymäki and CEO Meeri Haataja introducing the subject.

The Academy also took part in the initial planning for "Science Forum 2019", being represented on the programme committee by Maria Lähteenmäki and on the steering committee by Pekka Aula.

A list of meetings and events is provided in Appendix 1.

#### **COLLABORATION BETWEEN THE ACADEMIES OF SCIENCE**

The Council of Finnish Academies (CoFA) officially began its activities as the new joint body representing the various academies of science and letters in Finland on 1st January 2018. Since, in accordance with the agreement under which it was constituted, it is expected to encourage the academies to increase their efforts to develop the national academic community and to render it more international, it

will undoubtedly play a prominent role in reforming the system of academies of science and letters in Finland and determining their future orientation. Risto Nieminen served as vice chairman of its Executive Committee in 2018, with Anna Mauraenen as his deputy.

#### **INTERNATIONAL ACTIVITIES**

Contacts to the international scientific organizations of the Finnish Academy of Science and Letters mostly took place under the auspices of the Council of Finnish Academies, in which the Academy's President was a member of the executive committee, with the Academy's Vice President as his deputy. The Secretary General was also a member of the executive committee, without the right to vote. The Acade-

### *The Council of Finnish Academies officially began its activities on 1 January 2018*

my was represented on the CoFA International Affairs Committee by Olavi Nevanlinna and the Vice President.

Members of the Finnish Academy of Science and Letters occupied positions in many international academic organizations during the year, most notably Eva-Mari Aro and Jari Valkonen in EASAC, Olavi Nevanlinna in the ICSU, Jukka Kekkonen in the International Human Rights Network, Krista Varantola in ALLEA and Olavi Nevanlinna in Euro-CASE. At the Academy's instigation, Eva-Mari Aro was elected Vice President of EASAC.

Among others, discussions were held with the French embassy regarding new forms of international cooperation.

The Secretary General took part in the annual meeting of the STS Forum and a meeting of Presidents of academies of science and letters in Kyoto, Japan, in October 2018, and also in the INGSA conference in Tokyo in November.

In the course of the year the Academy proposed candidates for the Keio Medical Science Prize, the Gad Rausing Prize and the Abel Prize, and also for the Innovation Prize for Finnish women.

#### MEMBERSHIP

The Finnish Academy of Science and Letters had 754 Finnish members and 182 external members at the end of 2018.

The Annual Meeting on the 20th April elected 26 new Finnish members and 6 new external members.

The new members elected to the Section of Science were Jaana Bäck (University of Helsinki), Jukka Corander (Universities of Oslo and Helsinki), Risto Korhonen (University of Eastern Finland), Kristiina Kruus (VTT), Ari Laaksonen (Finnish Meteorological Institute), Peter Liljeroth (Aalto University), Peter Lund (Aalto University), Kari Majamaa (University of Oulu), Mikko Mönkkönen (University of Jyväskylä), Minna Palmroth (University of Helsinki), Heli Peltola (University of Eastern Finland), Hannu Pöysä (Finnish Natural Resources Institute), Mika Sillanpää (Lappeenranta University of Technology) and Olli Vapalahti (University of Helsinki).

The new members elected to the Section of the Humanities were Anneli Anttonen (University of Tampere), Ilkka Arminen (University of Helsinki), Jaakko Husa

(University of Helsinki), Helmi Järviluoma-Mäkelä (University of Eastern Finland), Sari Kivistö (University of Tampere), Timo Koivurova (University of Lapland), Marja-Kristiina Lerkkanen (University of Jyväskylä), Jari Ojala (University of Jyväskylä), Heikki Patomäki (University of Helsinki), Juha Räikkä (University of Turku), Katariina Salmela-Aro (University of Helsinki) and Mikko Sams (Aalto University).

The new external members elected were G. Steven Bova (University of Tampere), Arnulf Deppermann (University of Mannheim, Germany), Paul Greenlees (University of Jyväskylä), Tomas Hökfelt (Karolinska Institutet, Sweden), Hiroshi Imahori (Kyoto University, Japan) and Irina Takala (Petrozavodsk State University, Russia).

The Academy mourned the deaths of the following members during the year: Antti Eskola, Seppo Huovila, Veikko Hyvönen, Heikki Kirkinen, Tuomo Martikainen, Juhani Pietarinen, Matti Rissanen, Marja Simonsuuri-Sorsa, Kalevi Tamminen, Jussi Timonen and Veijo Virsu.

News was also received of the deaths of the external members Carl-Gustaf Andrén and Helmut Wolff.

#### YOUNG ACADEMY FINLAND

2018 was the first full year of activities for the new Young Academy Finland (YAF), founded with the aim of promoting science and academic studies from the viewpoint of young researchers who are at an early stage in their career. The chairman of its committee was Tommi Himberg of the Aalto University. The Young Academy Finland had a total of 54 members during the year.

The Young Academy Finland project was to a great extent made possible by a donation of a million euros from the Emil



*The new members elected to the Academy at its Annual Meeting in April received their membership diplomas at the "New members' event" in September.*

Aaltonen Foundation to the Academy, enabling a separate Emil Aaltonen Fund to be set up for this specific purpose.

#### **THE YOUNG ACADEMY FINLAND CLUB**

The Club for Young Scientists, which began its activities in 2009, was incorporated into the activities of the newly formed Young Academy Finland at the end of 2017 and has continued to function since then under the name of the Young Academy

Finland Club. The club met in the Academy's Väisälä Room 8 times during 2018, and the papers presented and the discussions that followed may be seen on the Academy's Youtube channel.

#### **PUBLICATIONS**

The Finnish Academy of Science and Letters published a total of 71 papers in 2018 in the series *Annales Academiae Scientiarum Fennicae* (Mathematica and Humaniora) and



Folklore Fellows' Communications (FFC). In addition, it produced the FF Network magazine and the Academy's Yearbook. These publications are freely available.

The chairman of the Publishing Committee was Olli Martio (editor-in-chief of the *Mathematica* series), and the other members were Jaakko Hämeen-Anttila (editor-in-chief of the *Humaniora* series), Pekka Hakamies (editor-in-chief of the FFC series) and Pekka Aula. The committee's secretary was Mika Koskenoja (editorial secretary of the *Mathematica* series). The committee met three times during the year.

The Academy received 121 000 euros (127 000 euros in 2017) in government assistance for its publishing work, and incomes from the sale of publications amounted to 26 975.35 (21 284.54) euros. Distribution of the Academy's publications on an exchange basis took place through the Exchange Centre for Scientific Literature run by the Federation of Finnish Learned Societies. The Academy had 318 (345) overseas exchange partners at the end of the year, and a total of 918 (604) copies were sent out in this way.

The joint publishing committee of the Finnish Academy of Science and Letters and the Finnish Society of Sciences and Letters met once in 2018 and elected Niklas Bruun, representing the Society of Sciences and Letters, as its new chairman for the coming three year term of office. The secretary of the joint committee was Mika Koskenoja (editorial secretary of the Academy's *Mathematica* series). The Academy was represented at the meeting by Olli Martio.

#### STRATEGIC PLANNING

The Governing Board continued the strategic planning begun in 2015 in the form of

two meetings. Four focal points had been chosen initially: promotion of the recognition and influence of high-level scientific and academic expertise within society, support for talented young scientists and scholars, strengthening of the international dimension in Finnish scientific and academic research, and adjustment of the Academy's own organization in order to be more flexible and active. These focal points featured prominently in the Academy's activities in 2018, which was the last of the three years covered by its current strategic planning period.

#### COMMUNICATIONS

The main channels for the Academy's external communications during the year were its own home pages on the Internet together with its Twitter account, Facebook pages and Youtube channel. Greater efficiency continued to be achieved by using a press release service and adopting a more active attitude towards interest groups, and also by monitoring the media publicity obtained. Attention was also paid to the dissemination of scientific information, and particularly the impact of published research results. The Academy was able to increase its visibility relative to the situation in previous years, especially in the social media and professional publications.

Efforts to publicize scientific results and improve their impact included the production of a podcast based on the EASAC report Multifunctionality and Sustainability in the European Union's Forests and the provision of support for the making of a documentary on Finnish research in the Antarctic. The latter effort was also visible towards the end of the year in the form of updates in the social



*One of the projects supported by the Academy in 2018 was a documentary on Finnish research work, to be filmed in the Antarctic. Voyages of exploration were an integral part of the Academy's activities in the early decades of its history, when it sponsored an expedition to Tierra del Fuego led by the geographer Väinö Auer, for example. It was possible to follow the making of the documentary on the Academy's social media channels.*

media. In addition, the Academy collaborated with the Finnish Broadcasting Company over a series of radio programmes entitled *Havainnotja ihmisestä* ("Observing People"), chiefly in helping to find specialists to contribute recent relevant scientific findings.

Where internal communications were concerned, further efforts were made to develop and adopt network-based forms of communication and collaboration.

#### **ECONOMY AND ADMINISTRATION OF ASSETS**

The Property Management Committee, which advises the Governing Board on fi-

nancial matters, consisted of Risto Nieminen, Anna Mauranen, Pekka Ilmakunnas, Erkki Hollo and Pekka Aula, with Timo Viherkenttä acting as an expert advisor at the beginning of the year and Kati Eriksson at the end. The committee held one meeting during the year. The Academy's portfolio was managed by Nordea and Evli in accordance with the revised investment strategies announced in 2017 for the Academy itself, its separate funds and the foundations that it administers.

The total value of the investments held in the name of the Academy and its various funds at the end of 2018 was approximately 125.5 million euros (140.7 million

euros at the end of the previous year), with a further 3.5 million euros in the hands of the foundations administered by it. The Väisälä Fund, which owns the Academy's office space at Mariankatu 5 in Helsinki, combined with the Jutikkala Fund to purchase the remaining offices at that address, so that the Academy now owns all the offices of the building, which has a book value of just under 3 million euros. The pronounced general fall in share values that occurred towards the end of 2018 and the drop of more than 20% in the value of Vaisala Oyj shares in the course of the year contributed to a decline in the value of the Academy's assets. Thus returns on its total assets, including dividends, interests and changes in the value of holdings (excluding properties) were about -5% (7% in the previous year) if the Vaisala Oy shares are excluded, or about -9% (16%) if the Väisälä Oyj shares are included.

The auditor of the Academy's accounts and administrative procedures in 2018 was the chartered accountant Professor Markku Koskela, with the chartered accountant Riku Kärnä as his deputy. A financial report and auditor's statement will be published in connection with the 2018 Year Book.

#### STAFF

The Academy's Secretary General was Professor Pekka Aula, the Administrative Manager Leila Sarajärvi, MA, and the Administrative Secretary Nina Rapelo, MA. Ann-Mari Sandholm, MA, began work as an office secretary but transferred to another employer in September 2018 and was replaced by Marianne Parvinen, MA, who began as Administrative Assistant in October. Irina Piippo, PhD, worked part-time as secretary to the Young Academy at the be-

ginning of the year and Katri Rostedt, MSocSc, from August onwards. Panu Nykänen, Adj. Prof, was acting CoFA Secretary within the Academy's administration from January to November, until Päivi Tikka, Adj. Prof, returned to the position. Kalle Videnoja, MSocSc, worked as Scientific Secretary. The Secretary General acted as administrative head of the CoFA office.

The Administrative Manager attended training meetings connected with the employment legislation, the revisions made to the law on foundations, the data protection legislation and communications in general; the Administrative Secretary attended training meetings on communications, the data protection legislation and the processing of grant applications, and the Office Secretary training sessions on communications. In addition, the Administrative Manager, Administrative Secretary and Office Secretary received instruction in first aid. The staff also took part in information sessions and seminars arranged by organizations with which the Academy collaborates.

The Academy paid salaries or fees to a total of 26 persons during the year.

#### OTHER ACTIVITIES

The Finnish Academy of Science and Letters has been intimately involved in the mentoring programme for researchers arranged jointly by the Academy of Finland and the Council of Finnish Academies from May 2017 onwards, for which Olavi Nevanlinna has been the chairman of the steering committee and the Secretary General a member of that committee.

The Governing Board was asked during the year to propose members for a number of working groups and committees,



*The Governing Board of the Finnish Academy of Science and Letters meets in the Academy's own rooms at Mariankatu 5 in Helsinki.*

and the Academy is now represented in numerous institutions and organizations at home and abroad.

The Vice President, Anna Mauranen, with Minna Martikainen-Peltola as her deputy, was chosen to be a member of the forum for international issues in higher education and research set up by the Finnish Ministry of Education and Culture. Risto Nieminen was selected for the working group on Research, Development and Innovation within the project for drawing up a road map for the "Higher Education and Research in 2030" scenario, and Pekka Aula was appointed to the steering group of the ministry's Team Knowledge Finland network.

The Academy was represented on the board of the Federation of Finnish Learned Societies by Keijo Hämäläinen, with Arto Haapala as his deputy, until 24th September and Arto Haapala, with Elina Ikonen as his deputy, from 25th September onwards, and also by Maria Lähteenmäki, with Merja Penttilä as her deputy. Keijo Hämäläinen served as chairman of the board until March 2018.

The Academy was represented at the Federation's spring meeting in March by Pekka Ilmakunnas and at its autumn meeting in September by the Secretary General. Dennis Bamford was the Academy's representative on the steering group for the Publications Forum.

The Academy was represented on the governing board of the Alfred Kordelin Foundation by Jukka Seppälä (with Keijo Hämäläinen as his deputy), and Hannu Riikonen (Mari Vaattovaara), and in the foundation's science section by Seppo Hentilä (Tuomas Forsberg), and by Eija Kalso (Hilkka Soininen). Its representatives in the popular education section

were Kirsi Tirri (Leena Syrjälä), until 6th November and Markku Löytönen (Risto Nieminen), from 7th November onwards, the representative in the literature section Heta Pyrhönen (Marjatta Palander), and that in the arts section Ville Lukkarinen, (Helena Hyvönen) as his deputy.

The Academy's representative on the

### *Academy is represented in numerous institutions and organizations at home and abroad*

National Committee for Arctic Research was Maria Lähteenmäki (Juha Pekka Lunkka), and its representatives on the Finnish Zoological and Botanical Publications Committee were Jukka Jernvall and Jaana Bäck, while Tuomas Forsberg continued to represent the Academy in the Foundation for Foreign Policy Research. The representative on the committee of the foundations' post-doc pool was Kirsi Tirri (Kaisa Nyberg). Pekka Aula was appointed as the Academy's representative on the national LUMA consultative committee.

The following members were serving on Academy of Finland research councils at the end of 2018: Anneli Anttonen and Maria Lähteenmäki on the Council for Culture and Society, Paula Eerola, Juha Kinunen, Reko Leino, Juha Pekka Lunkka and Jukka Pekola on the Council for Natural Sciences and Engineering, Asla Pitkänen, Jorma Toppari and Anu Wartiovaara on the Council for Health, and Riitta Julkunen-Tiitto, Kristiina Kruus, Jussi Kukkonen, Johanna Mappes, Jorma Palvimo, Seppo Salminen and Lea Sistonen on the Council for the Biosciences and the Environment.

Of these, Anneli Anttonen and Paula Eerola were acting in the capacity of chairman of their council.

Pekka Ilmakunnas represented the Academy at the Annual Meeting of the Mariankatu 5-7 property company in April. Pekka Aula sits on the board of that company.

Risto Nieminen, Pekka Ilmakunnas and Pekka Aula visited Vaisala Oyj by the invitation of the chairman of its board and

the managing director, and Pekka Ilmakunnas represented the Academy at the company's shareholders' meeting in April. Pekka Aula was the Academy's representative at the annual meeting of the Finnish Zoological and Botanical Publications Committee in March and at the spring meeting of the Committee for Funds and Foundations in May. Kimmo Kontula was a patron of the Finnish LUMA Centre's StarT Project.

## APPENDIX 1

### MEETINGS AND EVENT 2018

#### 12TH FEBRUARY: SEMINAR THE ORIGINS OF MAN (PART OF THE SERIES OF SEMINARS ON "SCIENCE AND HUMAN LIFE")

- Introductions to the topic by Professor Mikael Fortelius, University of Helsinki, and Academy Professor Virpi Lummaa, University of Turku

#### 12TH MARCH: SEMINARI SAFETY, SECURITY AND DEFENCE (PART OF THE SERIES OF SEMINARS ON "SCIENCE AND HUMAN LIFE")

- Introductions to the topic by Professor Aki-Mauri Huhtinen, National Defence University, Helsinki, and Professor Tuomas Aura, Aalto University

#### 20TH APRIL: ANNUAL GENERAL MEETING: DISTRIBUTION OF PRIZES, SPRING MEETING AND DINNER (PART OF THE SERIES OF SEMINARS ON "SCIENCE AND HUMAN LIFE")

- Presentation of the Finnish Academy of Science and Letters Award and Medal No. 30 to Academician Eva-Mari Aro, University of Turku
- Professor Aro's presentation lecture
- Spring meeting: discussions and decisions on statutory matters
- Celebration dinner

#### 20TH APRIL: CHEMISTRY GROUP SEMINAR: CHEMISTRY IN FINLAND 2018 – SOLUTIONS TO MAJOR CHALLENGES

#### 15TH MAY: SPRING OUTING AND SEMINAR IN TAMPERE

- Visit to the premises of the Emil Aaltonen Foundation for papers on the

work of the foundation and the current state of the Tampere3 reforms

- Seminar at the University of Tampere on "The path to reforming Finland's Health and Social Services System", as part of the series of seminars on "Science and Human Life"
- Introductions to the topic of the seminar by Liina-Kaisa Tynkkynen, lecturer, and Juha Teperi, Dean of the School of Health Sciences, both at the University of Tampere

*On the 19 October the Academy organized the Science Gala to mark the Academy's 110th anniversary*

#### 10TH SEPTEMBER: SEMINAR SCIENCE AND COLD CONDITIONS (PART OF THE SERIES OF SEMINARS ON "SCIENCE AND HUMAN LIFE")

- Introduction of new members
- Professor Ari Laaksonen, scientific director, Finnish Meteorological Institute: "Rainmaking and thin, high clouds – how well do we understand the formation of ice crystals?"
- Research Professor Timo Koivurova, University of Lapland and Arctic Centre: "Environmental problems and Arctica – what has the Arctic Council been able to do?"

#### 8TH OCTOBER: SEMINAR SCIENCE, MANKIND AND THE DIGITAL WORLD (PART OF THE SERIES OF SEMINARS ON "SCIENCE AND HUMAN LIFE")

- Professor Krista Lagus, University of Helsinki: Digital humanism

- Dr. Michael Laakasuo, University of Helsinki: Microchips in the brain?
- Presentation of certificates to the recipients of grants from the Brusiin Foundation, the Öhmann Foundation and the Jutikkala Fund
- Professor Kaisa Poutanen, VTT: New sources of food, what and how?
- Autumn Meeting: discussion of statutory matters

**14TH NOVEMBER: EUROPE ON TEST:**

**NARRATIVES OF UNION AND DISUNION  
– THE NORDIC PERSPECTIVE**

- Joint conference organized by the Council of Finnish Academies

**10TH OCTOBER: NOBEL PRIZE DISCUSSION**

- Arranged jointly with the other academies and Helsingin Sanomat and held in the Mediatori auditorium in the Sanna building
- Expert introductions to the work leading to Nobel Prizes in 2018

**10TH DECEMBER: SEMINAR SCIENCE AND MONEY (PART OF THE SERIES OF SEMINARS ON "SCIENCE AND HUMAN LIFE")**

- Presentation of Väisälä Prizes to Professors Tero Heikkilä, University of Jyväskylä, and Jani Lukkarinen, University of Helsinki
- Lectures by the recipients of prizes
- Presentation of certificates to the recipients of grants from the Väisälä Fund

**19TH OCTOBER: SCIENCE GALA**

- During the event the Academy's Prize for the Humanities was presented to Associate Professor Maria Lasonen-Aarnio and the Väisälä Prize to Professor Otso Ovaskainen, both of the University of Helsinki

**12TH NOVEMBER: SEMINAR SCIENCE AND FOOD, ALSO AUTUMN GENERAL MEETING (PART OF THE SERIES OF SEMINARS ON "SCIENCE AND HUMAN LIFE")**

- Professor Riitta Korpela, University of Helsinki, Intestinal microbes and the brain

**12TH DECEMBER: AI DAY 2018**

- The Academy arranged a contribution of its own