



Genes:

From the Past to the Future

16th Baltic
Conference
on Intellectual
Co-operation
Vilnius,
Lithuania,
2–3 May 2019

CONFERENCE PROGRAMME

Thursday, 2 May

12.00–13.00 Registration

13.00–13.10 Opening addresses

Prof. Jūras Banys, President, Lithuanian Academy of Sciences

Prof. Vaidutis Kučinskas, member of the Presidium of the Lithuanian Academy of Sciences and Scientific Director of the Human Genome Research Centre, Vilnius University

13.10–13.20 Short welcome speeches

Presidents of Polish, Latvian, Estonian, Finnish Academies of Sciences

Session 1

Chairpersons:

Prof. Zita Aušrelė Kučinskienė, full member of the Lithuanian Academy of Sciences

Dr. chem. Pēteris Trapencieris, Chair of the Division of Chemical, Biological and Medical Sciences, Latvian Academy of Sciences

13.20–13.45 From biobanks to personalised medicine

Prof. Andres Metspalu (Council of Estonian Centres of Excellence; University of Tartu; Estonian Academy of Sciences)

13.45–14.10 Combining the biobank and health care system resources for effective genetic studies in Latvia

Prof. Jānis Klovīņš (Latvian Biomedical Research and Study Centre; Latvian Academy of Sciences)

14.10–14.35 Interleukin-6 and ADAM17 in inflammation and cancer

Prof. Dr. Stefan Rose-John (Christian-Albrechts-Universität zu Kiel; Academy of Sciences and Humanities in Hamburg)

14.35–14.55 Coffee break

Session 2

Chairpersons:

Prof. Zenonas Dabkevičius, Vice President, Lithuanian Academy of Sciences

Prof. Maris Laan, Tartu University

14.55–15.20 Atavistic theory of cancer: a shift towards the gene network of primitive unicellular organisms. Is it curable?

Prof. Jekaterina Erenpreisa (Latvian Biomedical Research and Study Centre; Latvian Academy of Sciences)

15.20–15.45 Application of genetic methods in cereal breeding

Prof. Isaak Rashal (University of Latvia; Latvian Academy of Sciences)

15.45–16.10 Genetic research for fruit crop improvement

Dr. Gunārs Lācis (Institute of Horticulture, Latvia University of Agriculture)

16.10–16.30 Coffee break

Session 3

Chairpersons:

Prof. Rimantas Jankauskas, full member of the Lithuanian Academy of Sciences

Prof. Gintautas Žintelis, member of the Presidium, Lithuanian Academy of Sciences

16.30–16.50 Tightly bound proteins are anchored to DNA by G quadruplexes

Prof. Nikolajs Sjakste (University of Latvia; Latvian Academy of Sciences)

16.50–17.15 Computational studies of proteins involved in DNA replication and repair

Prof. Česlovas Venclovas (Life Sciences Centre, Vilnius University; Lithuanian Academy of Sciences)

17.15–17.55 The genetic history of Northeast European peoples

Dr Mait Metspalu (Estonian Biocentre, Tartu University)

17.55–18.00 Questions and answers

18.00–18.30 Ceremony of the Medal of Baltic Academies of Sciences Award

Heads of the Baltic academies of sciences: Prof. Tarmo Soomere, President, Estonian Academy of Sciences; Prof. Ojārs Spārītis, President, Latvian Academy of Sciences; Prof. Jūras Banys, President, Lithuanian Academy of Sciences

Medal recipients

Friday, 3 May

On the Origin of the Balts

Session 4

Chairpersons:

Prof. Vaidutis Kučinskas, member of the Presidium, Lithuanian Academy of Sciences

Prof. Domas Kaunas, member of the Presidium, Lithuanian Academy of Sciences

9.00–9.30 Population of Lithuania through the millennia: archaeological perspective
Dr Laurynas Kurila (Lithuanian Institute of History)

9.30–10.00 Lithuanian ethnogenesis: an historian's view
Prof. Rimvydas Petrauskas (Vilnius University; Lithuanian Academy of Sciences)

9.00–10.30 Changes in the conception of the origin of the Lithuanian language
Prof. Grasilda Blažienė (Institute of the Lithuanian Language; Lithuanian Academy of Sciences)

10.30–11.00 **Coffee break**

Session 5

Chairpersons:

Prof. Rimvydas Petrauskas, full member of the Lithuanian Academy of Sciences

Prof. Grasilda Blažienė, full member of the Lithuanian Academy of Sciences

11.00–11.30 Postglacial migration of Scots pine in Europe and its associations with human migrations
Prof. Darius Danusevičius (Vytautas Magnus University Agriculture Academy; Lithuanian Academy of Sciences)

11.30–12.00 Contribution of ancient DNA data to population history of Lithuania
Prof. Rimantas Jankauskas (Vilnius University; Lithuanian Academy of Sciences)

12.00–12.30 Genomic data illuminates demography, genetic structure and micro evolutionary process in human populations
Prof. Vaidutis Kučinskas (Lithuanian Academy of Sciences; Vilnius University)

12.30–12.40 **General discussion**
Prof. Jūras Banys, President, Lithuanian Academy of Sciences

12.40–13.00 **Closing of the 16th Baltic Conference on Intellectual Co-operation**
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