

## Curriculum Vitae

Personal information **Toomas Tiirats**

### Work experience

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1. Employer: Estonian University of Life Sciences (Eesti Maaülikool)
  - Start date: 092016
  - End date:
  - Position: Director of Institute of Veterinary Medicine and Animal Science
  - Activities: Administering the overall work in an Institute.
  - Country: Estonia
2. Employer: Estonian University of Life Sciences (Eesti Maaülikool)
  - Start date: 042014
  - End date:
  - Position: Lecturer at Department of Basic Veterinary Sciences and Population Medicine, and elected member of Council of the Institute of Veterinary Medicine and Animal Sciences
  - Activities: Teaching general pathology and endocrinology to students of veterinary medicine, research activities in related areas.
  - Country: Estonia
3. Employer: Estonian University of Life Sciences (Eesti Maaülikool)
  - Start date: 042011
  - End date: 032014
  - Position: Head of the Department of Animal Health and Environment, lecturer and elected Chairman of Council of the Institute of Veterinary Medicine and Animal Sciences
  - Activities:

As Chairman of the Council: supervision of budget development, approval of the consolidated budget of the Institute, supervision of budget execution, reporting on the implementation of the budget, development and review of the academic programs of the Institute, leading discussions and making decisions related to the activities of the Institute, oversight of appointments and career progression of the Institute, development of the strategy of research areas and areas of specialization, determination of the value of assets that the director and the heads of structural units are entitled to control. The council has sole competence over all issues, which concern the objectives and tasks of the Institute.

As a lecturer: teaching physiology and general pathology to students of veterinary medicine and related subjects.

As Head of Department: organizing teaching and research activities in the areas of responsibility of the department – physiology, pathology, animal health and welfare, pharmacology and endocrinology.

- Country: Estonia
4. Employer: Swedish Board of Agriculture/Staten Jordbruksverket
    - Start date: 092011
    - End date: 012016
    - Position: Senior Advisor at Sida financed project "Capacity building and technical support to The National Food Agency (NFA), Georgia"
    - Activities:

The project aims to help the Georgian counterparts in developing a solid food safety system, in line with EU and international standards in Georgia, strengthen the Georgian NFA's administrative capacities, thus ensuring dynamic market development. One of my areas of responsibility is improvement of veterinary services – modernizing of the basic structures/processes required for establishing a national veterinary system, and establishing networking relationships and collaboration with relevant stakeholders.

- Country: Sweden
5. Employer: Estonian University of Life Sciences (Eesti Maaülikool)
    - Start date: 012005
    - End date: 032011
    - Position: Director of the Institute of Veterinary Medicine and Animal Sciences
    - Activities:

Institute of Veterinary Medicine and Animal Sciences is an academic unit of the university, which incorporates the study, research and development activities of the related specialties – veterinary medicine, animal science, meat and dairy technologies. The objective of the Institute is to guarantee the fulfillment of the main objectives of the agricultural university within its field of activity. The Institute has nine departments that comprise different laboratories. The Director of the Institute plans, directs and administers the Institute, to guarantee the following:

\_\_ to organize competitive study, research and development work in its field of science;

\_\_ to carry out teaching at every level of studies and further training according to the registered curricula;

\_\_ to develop innovative activities in its field of research;

\_\_ to develop and manage research on the contractual basis, as well as advisory and consulting services in its field of competence;

- \_ to work out and put into practice the development plan of the Institute;
- \_ to guarantee the academic sustainability of the Institute's personnel;
- \_ to manage the budget of the Institute.

The Institute of Veterinary Medicine and Animal Sciences as establishment responsible for higher veterinary education received positive recognition by the European Association of Establishments for Veterinary Education (JEC 2009) and was entered on to the EAEVE's "approved" list of veterinary schools in Europe.

- Country: Estonia
6. Employer: Swedish University of Agricultural Sciences
- Start date: 052008
  - End date: 122010
  - Position: International expert and liaison person
  - Activities:

Member of the contact group for the program of "Swedish Support to the Veterinary Policies and Public Goods in Tajikistan (SLU/SIDA)" in Sweden. Preparation of seminars and (co\_) running workshops on priorities for reforming the Veterinary Services of Tajikistan, on BIP and import and export of live animals and products of animal origin with special emphasis on EU – requirements, on veterinary pharmaceuticals (regulation, control procurement, residues and food safety), and on strategic policy and findings in the OIE\_PVS Evaluation of the Veterinary Services in Tajikistan, all held in Dushanbe, Tajikistan. Reviewing and discussing the drafted new Tajik veterinary law with the Tajik stakeholders. Preparing and supervising a study tour for Tajik inspectors to Estonia.

- Country: Sweden
7. Employer: Food and Agricultural Organisation (FAO) of the United Nations
- Start date: 102007
  - End date: 112007
  - Position: International consultant on veterinary professional institutions in Tajikistan
  - Activities:

Reviewing progress made to date on founding, operation and functions of a professional veterinary association and carrying out other related tasks requested by the Project manager. Finding out priority goals and functions of the association together with the Tajik officials and advising on the necessary (legal) steps to develop and strengthen the institution. Organizing a workshop on the structures of veterinary institutions in Europe, and supervising a workshop to develop an action plan of the association. Mission reports for TCEO and AGAH were prepared on recommendations for the future steps for Tajik officials.

- Country: Italy
8. Employer: Estonian Veterinary Association
- Start date: 021994
  - End date: 022001
  - Position: President of the Estonian Veterinary Association
  - Activities:

Elected two times for a four\_year period by GA of the Estonian Veterinary Association (EVA) on president position. The main goal was to re\_establish effective work of the Association. Important tasks during the transition period were to raise the qualifications of EVA members, clarify the responsibilities and role of veterinarians and promote the veterinary profession, participate in the establishment of veterinary services, publicize veterinary events in EVA's journal \_ "The Estonian Veterinary Review", provide scientific and technical advice on questions related to the veterinary profession, raise and promote high standards of professional ethical conduct of EVA members, encourage co\_operation between national, state and international organizations (FVE), defend the professional rights of veterinarians to ensure a loyal relationship between EVA members etc..

- Country: Estonia
9. Employer: ADAS Consulting Limited, Oxford Spire Business Park
- Start date: 1998
  - End date: 1999
  - Position: Local national expert and national deputy team leader
  - Activities:

The purpose of thePhare Project \_ Development of the Food and Veterinary Inspectorate in Estonia \_was capacity building of competent authority in veterinary and food controlrecognizedby the EU. A long\_range goal was to ensure that the Ministry of Agriculture completes its White Paper programme for accession to the European Union. Supervision and coordination of local activities related to the ToR project, including preparation of drafts of veterinary and food legislation as well as animal welfare law. Co\_ordinating the activities of the Estonian experts, assisting the team leader and foreign experts with the overall co\_ordination of different training courses on meat, fish and dairy production, HACCP, borders, organisation etc., including selection of trainees and venues, arranging training of laboratory staff, study tours for inspectors and cascade training for regional centres, and organizing basic food hygiene courses for food handlers in Estonia.

- Country: United Kingdom
10. Employer: Faculty of Veterinary Medicine, Estonian Agricultural University
- Start date: 1990
  - End date: 2004
  - Position: Scientist/lecturer
  - Activities:

Research activities related to regulatory metabolic processes in dairy cows.

As a lecturer, teaching students of veterinary medicine in the areas of physiology, pathology and endocrinology.

- Country: Estonia
11. Employer: NA
- Start date: 1987
  - End date: 1990
  - Position: Veterinary surgeon
  - Activities:

Providing veterinary field services for farm animals on a state farm with more than 1000 dairy cows and pigs, sheep and horses. Mixed practice, but mostly related to productive animals.

- Country: Estonia

## Education and training

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1. Subject: Estonian Agricultural University
  - Start date: 1996
  - End date: 1998
  - Qualification: MSc in Veterinary Medicine
  - Organisation:
  - Country: Estonia
2. Subject: Faculty of Veterinary Medicine, Estonian Agricultural Academy
  - Start date: 1982
  - End date: 1987
  - Qualification: Veterinary surgeon, DVM
  - Organisation:
  - Country: Estonia

## Additional information

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### Publications

Semjonov, A., Andrianov, V., Raath, J.P., Orro, T., Laubscher, L., Pfitzer, S., Tiirats, T., Rogers, P.S. (2019) Evaluation of butorphanol\_azaperone\_medetomidine (BAM) in captive cheetah (*Acinonyx jubatus*) immobilization. *Veterinary Anaesthesia and Analgesia*. 46(1), 90\_95.

Semjonov, A., Andrianov, V., Raath, J.P., Orro, T., Laubscher, L., Pfitzer, S., Tiirats, T. (2018) Evaluation of butorphanol\_azaperone\_medetomidine (BAM) in captive blesbok immobilization (*Damaliscus pygargus phillipsi*). *Veterinary Anaesthesia and Analgesia*, 45(4), 496\_501

Tiirats, T. & Kaasik, A. (2012) Animal production in Estonia \_ how will it be affected by climate change. NJF seminar 457 – Sustainable Agriculture in The Baltic Sea Region with focus on climate change. NJF Report 2012, Vol 8, No 7, 61\_62.

Kurykin, J.; Waldmann, A.; Tiirats, T.; Kaart, T.; Jaakma, Ü. (2011). Morphological Quality of Oocytes and Blood Plasma Metabolites in Repeat Breeding and Early Lactation Dairy Cows. *Reproduction in Domestic Animals*, 46(2), 253 \_ 260.

### Projects

### Memberships

since 2013 \_ member of the Ethics Committee on laboratory animal science at the Estonian Ministry of Agriculture;

2004 \_ 2012 – Vice\_Chairman of the Ethics Committee on laboratory animal science at the Estonian Ministry of Agriculture;

since 2001 – member of the Committee for Veterinary Medicinal Products in Estonia;

2011 – 2016 - Chairman of the Ethics Committee at the Estonian Veterinary Association;

since 2000 – member of the Scandinavian Society for Laboratory Animal Science (ScandLas), and from 2011 to 2013 – Board Member of ScandLas;

### Other Relevant Information

Short term (02.–04.1992; 02– 04.1994; 03.1995; 08–10.1996; 03.1999; 10–11.2000; 10.2001) postgraduate advanced training and research on clinical chemistry with special focus on metabolic hormones and laboratory methods in endocrinology at Department of Clinical Chemistry, Swedish University of Agricultural Sciences.