GS-VMAS Newsletter

September, 2018

Hope you all have enjoyed the warm summer and are getting ready for the autumn semester. Looking back, GS-VMAS have during the spring helped to arrange eight different PhD-courses at the faculty in addition to seminars and workshops. This will of course continue this semester and you can look forward to several PhD courses as well as to seminars and workshops both for PhD students and researchers. One thing that is new is that we will next year financially support PhD students (maximum five) that wants to take a PhD-course in another country, so if you are interested in this keep an eye out for our application call later this year.

VH Faculty Research Day

We hope that you all enjoyed the VH Faculty Research Day in May, that GS-VMAS this year helped to arrange. We are happy that so many of you attended, in total 128 registered, and want to give an extra thanks to all the speakers and poster bringers for sharing your interesting and exciting research with us and also especially a big congratulation to Katrina Ask, from the department of Anatomy, Physiology and Biochemistry, who won the PhD student poster award with her poster "Pain assessment in horses with induced lameness".

Upcoming PhD courses autumn and winter 2018

During autumn and winter 2018 we have the following upcoming courses:

- PVS0134 GIS in animal science
- PVS0150 Flow cytometry, cell analysis and sorting
- PVG0038 Reproducibility in Research with focus on data analysis using the program R
- Nutritional Physiology
- PVS0108 Epigenetics and reproduction
- PVS0154 Orthopaedic diagnostics in animals
- PVS0137 Genome Analysis

For more information and on-line application to courses, please visit: www.slu.se/gs-vmas-courses.

Planned courses within GS-VMAS 2018:

Advanced use of Excel, 2 credits

Animal Assisted Intervention, 3 credits

Basic course for cell culture, 2 credits

Beef and lamb production systems and their impact on meat quality, 4 credits

Introduction to Bioinformatics, 10 credits

Construction of trial protocols for controlled clinical trials, 1,5 credits

Flow cytometry, cell analysis and sorting, 5 credits

Genome Analysis, 10 credits

GIS in animal science, 2 credits

Introduction to hyperspectral imaging with focus on near infrared spectroscopy in Livestock, Agricultural and Veterinary Sciences, 3 credits

Linear Models in Animal Breeding, 3 credits

Microbial Sequencing and Genomics

Nutritional Physiology, 7,5 credits

Orthopaedic diagnostics in animals, 3 credits

Reproducibility in Research with a focus on data produced by R, 2 credits

Sperm Quality Evaluation, 2 credits

Epigenetics and reproduction, 1,5 credits

Upcoming seminars/workshops autumn and winter 2018

We also have a couple of upcoming seminars:

- Workshop introduction to/visualization in R

- Seminarium Aspects on Reindeer Herding and on their Important Infectious Diseases

Aspects on Reindeer Herding and on their Important Infectious Diseases

Welcome to a Research seminar arranged by the Graduate School for Veterinary Medicine and Animal Sciences (GS-VMAS)

Date: September 24, 2018, 13.00-16.00
Location: Ratatosk, VHC, Uppsala

Reindeer is the most important species in the north concerning animal production, environment, social, cultural and economic aspects and more. There is around 2 milj semi-domesticated reindeer (*Rangifer tarandus*) during the winter in Scandinavia and Russia. However, reindeer is in many aspects a neglected species. Today, reindeer herding has to face problems concerning conflicting interest of land use (e.g. forestry, mining, infrastructure, tourism) increasing populations of predators and from climate change. One effect of climate change is more problems with infectious diseases, new diseases may show up and changed epidemiology of already existing diseases may be seen. In the One Health focused NordForsk CLINF -project "Climate change effects on the epidemiology of infectious diseases and the impacts on northern societies" www.clinf.org, reindeer is a central species and all speakers below are participating in this project. With this seminar we aim to increase the interest for and spread knowledge on reindeer and especially their infectious diseases, to students, teachers and researchers on all levels.

13.00 – 13.15 Welcome and introduction to the NordForsk CLINF project, Ann Albihn SVA/SLU
13.15 – 13.35 On important disease problems on wild and semi-domesticated reindeer in Norway and Iceland. Morten Tryland, University of Tromsö (UiT), Norway.
13.35 – 13.55 On reindeer infectious diseases. Nataly Pavelko, Federal Research Centre of Virology and Microbiology (FRCVM), Volgeskii, Russia.
13.55 – 14.10 Field work from Eastern Siberia - sampling of reindeer in Yakutia for the CLINF-project. Juha Kantanen, Natural Resources Institute (LUKE), Finland
14.10 – 14.30 Coffee break
14.30 – 14.50 On outbreak and control of anthrax in Yamal. Alexander Malogolovkin, FRCVM.
14.50 – 15.10 CLINF-studies on climate sensitive infectious diseases – retrospective data collection and NGS-analyses of samples from reindeer Anna Omazic, SVA.
15.10 – 15.30 Sequencing of Reindeer (*Rangifer tarandus*) Genomes: Insights into Evolution, Domestication and Adaptations. Juha Kantanen, LUKE.
15.30 – 15.50 On Social aspects on reindeer disease problems. Camilla Risvoll Nordland Research Institute, Norway.
15.50 – 16.00 Questions and sum up

For more information: Ann Albihn (ann.albihn@slu.se)
Registration: susanna.westerberg@sva.se

Last date for application: September 19, 2018

Introduction to/and visualization in R

The research school GS-VMAS and SLUBI is happy to invite PhD supervisors and other researchers to a workshop dedicated to the R programming language.

Date: Sept 24th, 2018, 09.00 – 16.00; Location: Lårosal U, Ulls hus, Uppsala

The workshop is for any supervisor/researcher at SLU who has data they want to analyze - no prior R programming or computational experience is required. This hands-on workshop teaches basic concepts, skills and tools for working more effectively with data. We will cover introduction to R, data analysis and visualization in R. Participants should bring their laptops and plan to participate actively. By the end of the workshop the participants should be able to more effectively manage and analyze data and be able to apply the tools and approaches directly to their ongoing research.

Schedule
Morning: Introduction to R
Afternoon: Data analysis and visualization in R

Programming in R
Working with vectors and data frames
Reading and plotting data
Creating and using functions
Loops and conditionals
Using R from the command line

Requirements: Participants must bring a laptop with a Mac, Linux, or Windows operating system (not a tablet, Chromebook, etc.) that they have administrative privileges on.

Setup
Participants will receive setup instructions after the deadline closes.

Other
Coffee/tea and a vegetarian lunch sandwich will be served to participants of the workshop.

Registration (before 10th of September): juliette.hayer@slu.se
Other questions: Juliette Hayer; juliette.hayer@slu.se

Please visit www.slu.se/gs-vmas-planned-courses for information on upcoming courses and other activities.

Do you have an idea for a seminar or a workshop?

GS-VMAS have funds available to grant money for seminars and/or workshops. If you have a visiting research partner or an opponent present for a dissertation it may be a great opportunity to combine this with arranging a seminar or workshop.

Please contact us at gs-vmas@slu.se and we will let you know whether there are funds available for your idea.

Administration of your PhD studies

If you have any questions regarding the administration of your PhD studies, such as registration, crediting for courses, all courses completed in Ladok, you may use Education Services' joint e-mail address for PhD matters: us-phd-vh@slu.se

We are three administrators handling PhD students within the Education Services. We handle all PhD students within VH's departments with the exception of HMH, BT and NJV.

AFB, BVF – Susanna Hallgren

HUV, HGEN – Marianne Lövgren

KV – Susanne Pettersson

All the best from the coordinators and administrators for GS-VMAS

Miia, Anne-Lie, Kjell and Susanna