

Directions to the Vetmeduni Vienna – By car



Parking:

The porter will show you the way to parking lots at the entrance to the campus.

Directions to the Vetmeduni Vienna by public transport within Vienna

- U6 until Floridsdorf, tram 25 or 26, get off at Josef Baumann-Gasse
- U1 until Kagranner Platz, tram 26, get off at Josef Baumann-Gasse
- U1 until Kagran, bus 27A or tram 25, get off at Josef Baumann-Gasse

University of Veterinary Medicine, Vienna

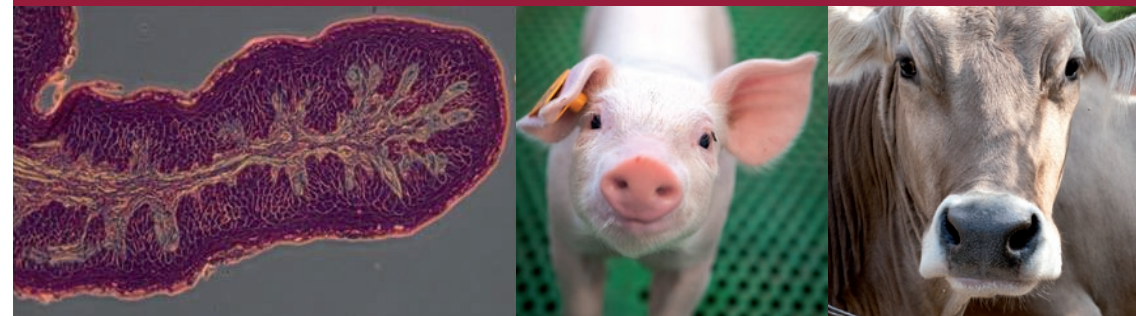
Veterinaerplatz 1, 1210 Vienna, Austria, T +43 1 25077-0, www.vetmeduni.ac.at

Invitation to:

Vetmeduni Vienna Summer School in Nutrition and Animal Gut Health

August 1st to 6th 2016

University of Veterinary Medicine, Vienna
Veterinaerplatz 1, 1210 Vienna



 **Biomini**

2016  **20 YEARS
CAMPUS**

Vetmeduni Vienna Summer School

in Nutrition and Animal Gut Health



Background

- The Vetmeduni Vienna Summer School “Nutrition and Animal Gut Health” is a unique event for everyone interested in nutrition and gastrointestinal health in farm animals.
- The philosophy of this summer school is to provide hands-on training in the areas of nutrition and gastrointestinal functional health to enable participants to directly apply what they have learned to their individual fields of work.
- This summer school targets the interface of nutrition and gut health to provide the participants with deeper insights into the critical role of nutrition in digestive physiology, gut function and animal health.
- By combining theory, group discussions, and hands-on training, this course will promote critical thinking and develop the problem-solving skills in the field of animal gut health and nutrition.
- Participants will also be exposed to current practices of animal industries regarding modulation of animal gut health. This summer school will be supported by BIOMIN, a global leader in developing natural feed additives.

Teaching plans

The Vetmeduni Vienna Summer School will follow a tutorial style of teaching. This means that the curriculum combines classical lectures with practical hands-on exercises. Both the lecture and the laboratory components will be taught by experienced researchers. In addition to classroom work, there is an individual project, group discussions, and group excursions organized to provide a complete learning experience.

Teaching language

Teaching will be done in English. Therefore, a good command of the English language is necessary for participation in this school.

Qualifications and admission procedures

The Vetmeduni Vienna Summer School is designed for young researchers (MSc and PhD students) and professionals working in the area of animal nutrition and animal gut health. Precondition for admission to this school is:

- A university degree (BSc or Diploma) in Veterinary Medicine, Animal Science, Biology or Nutritional Science
- High academic performance
- Proficiency in English
- Knowledge/experience in gut physiology/microbiology will be considered an asset

Applications

To apply, participants should send a letter of interest, CV and provide a letter of recommendation from their supervisor(s). In the application it should be indicated if they are applying for the scholarship, paying independently, or both.

Applications and supporting materials should be sent to renee.petri@vetmeduni.ac.at by May 1st, 2016.

Number of participants

The number of participants is limited to 15.

Participation fees

The participation fee will be 2,000 Euros. This fee covers the expenses of the course materials including excursions, lunches, coffee breaks, wrap-up party, and accommodation for one week. Payment of the participation fee must be done within 25 calendar days of receiving the invoice. Notification of acceptance will be given by May 15th 2016.

Scholarships

Two scholarships are available and will be awarded to highly qualified applicants covering all expenses of the course including the flight. Successful candidates will be informed by May 31st 2016.

Curriculum and ECTS

The course will consist in 42 hours of class participation (lectures, hand-on trainings, oral presentations, data analyses, group meetings, as well as an excursion to Dairy/Pig/Poultry Farms). There are an additional 20.5 hours of individual project work.

The total of 62.5 hours will be converted to 2.5 ECTS. All participants will be provided with a successful participation certificate, indicating the subjects taught, the duration of the school, and curriculum with the corresponding ECTS points. In addition, the participation in the course and the quality of the individual project work will be graded.

Programm



Day	Lecture program (2 Lectures and coffee break) 9 – 12 am	Hands-on program 1 – 6 pm
Monday, August 1 st 2016	Role of Nutrition on Rumen & Gut Health: Ruminants: <ul style="list-style-type: none"> ■ Balanced Nutrition ■ Rumen Milieu and Functioning ■ Main Digestive Disorders Monogastric: <ul style="list-style-type: none"> ■ Nutrient Delivery and Absorption ■ Hindgut Fermentation ■ Main Digestive Maladies 	Allocation of Individual Project Topics: Group Work Ruminants: <ul style="list-style-type: none"> ■ Rumen Function & Techniques to Study Rumen Function/Microbiology Group Work Monogastrics: <ul style="list-style-type: none"> ■ Gut Function & Techniques to Study Gut Function in Monogastrics
Tuesday, August 2 nd 2016	Rumen/Gut Function & Microbiology Rumen: <ul style="list-style-type: none"> ■ Rumen Microbiota ■ Host-Microbe Interactions Monogastric: <ul style="list-style-type: none"> ■ GIT Microbial Overview ■ Host-Microbe Interactions 	Analysis of Rumen/Gut Microbiota: <ul style="list-style-type: none"> ■ Sampling ■ Sample Processing ■ DNA Extraction from Rumen and Chymus Samples
Wednesday, August 3 rd 2016	Genomics and Transcriptomics Methods Used to Investigate Rumen and Gut Microbiology	<ul style="list-style-type: none"> ■ Downstream Molecular Biological Analysis (i.e., sequencing, qPCR) ■ Data Analyses and Interpretation of the Results
Thursday, August 4 th 2016	Mode of Action and Economics of Using Feed Additives	<ul style="list-style-type: none"> ■ Presentation of the Individual Projects ■ General Discussion of the Hands-on Sessions ■ Certificate Presentation
Friday, August 5 th 2016	Excursion 9 – 5 pm <ul style="list-style-type: none"> ■ LFG (Dairy and Pig Research Farms) and Biomin CAN in Mank (Poultry Research Facility) 	<ul style="list-style-type: none"> ■ Wrap-Up Party in a Typical Viennese Heuriger
Saturday, August 6 th 2016	Excursion 9 – 1 pm <ul style="list-style-type: none"> ■ Natural History Museum Vienna 	Departure