

### 3. AgroVet-Strickhof Tagung

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*«Vernetzung von Forschung und Praxis – mit smarterer Tierhaltung in die Zukunft»*



Alle Unterlagen zur Tagung finden Sie auf unserer Homepage:

<https://www.agrovet-strickhof.ch/download-bereich>

*Wir wünschen Ihnen eine lehrreiche AgroVet-Strickhof Tagung!*

# Programm

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ab 08:00 Uhr **Ankunft inkl. Willkommens-Kaffee & Gipfeli**  
Poster-Montage

08:55 Uhr **Begrüssung**  
*Geschäftsleitung AgroVet-Strickhof*

## **Vorträge**

09:00 Uhr Keynote Speaker 1: Zukunftsorientierte Tierhaltung im  
Kanton Zürich  
*Nationalrat Martin Hübscher*

09:35 Uhr Smartes aus der Pferdemedizin  
*Dr. med. vet. Corsin Heim, UZH*

09:55 Uhr Exhalomics as a non-invasive method for assessing ru-  
men fermentation in dairy cows  
*Prof. Dr. Mutian Niu, ETH Zürich*

10:15 Uhr Kaffeepause  
***mit Postersession***

10:55 Uhr Keynote Speaker 2: Food Safety  
*Prof. Dr. Dr. h. c. Roger Stephan, UZH*

11:30 Uhr Smart Animal Health  
*Beat Thomann, Universität Bern*

**Mittagessen in der Strickhof Mensa von 12:00 – 12:55 Uhr**

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# Programm

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13:00 Uhr Rundgang mit ausgewählten Posterthemen  
*Organisation M. Schick und AgroVet-Strickhof*  
*Forschende*

14:30 Uhr Kaffeepause  
*mit Postersession*

## Vorträge

15:00 Uhr Keynote Speaker 3: Vernetzung von Forschung und  
Praxis am Beispiel Ressourcenprojekt KlimaStaR  
Milch  
*Peter Meier, Leiter Milchbeschaffung Emmi Gruppe*

15:35 Uhr What are the effects of adapting dairy cows to a virtual  
fencing system on animal welfare and pasture man-  
agement?  
*Massimiliano Probo / Patricia Fuchs, Agroscope*

15:55 Uhr Schnittstelle Tier, Mensch und Technik  
*Prof. Dr. Matthias Schick, Strickhof*

16:15 Uhr Verabschiedung  
*Geschäftsleitung AgroVet-Strickhof*

# Posterausstellung

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- Nº 1 Protein-reduced feeding of dairy cows supplemented with rumen-protected amino acids  
*D. Wasem, A. Abraham and S. Probst*
- Nº 2 Excretion and apparent retention of nitrogen in slow-growing ROSS fattening chickens as affected by different feed additives  
*D. Brugger, St. Grossmann, A. Liesegang, M. Schick, R. Bolt*
- Nº 3 The ruminant sorting mechanism protects teeth from abrasives  
*S.O. Valerio, J. Hummel, D. Codron, J.M. Hatt, M. Clauss*
- Nº 4 Does age affect learning capacity and grazing activities of dairy cows managed with a virtual fencing system?  
*A. Confessore, M.K. Schneider, C. Pauler, Ch. Aquilani, P. Fuchs, C. Pugliese, C. Dibari, G. Argenti, M. Probo*
- Nº 5 Optimization of 16S ribosomal RNA V3/V4 amplicon generation from cytobrush samples for analysis of the uterine microbiome in the mare  
*A. Dyroff, K. S. Weber, M. Blanco, H. Bollwein, C. Almiñana, S. Bauersachs*
- Nº 6 What are the effects of adapting dairy cows to a virtual fencing system on animal welfare and pasture management?  
*P. Fuchs, J. Stachowicz, M. Schneider, M. Probo, R. Bruckmaier, C. Umstätter*
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# Posterausstellung

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- Nº 7 Identification and characterisation of social interactions using accelerometers in cattle  
*S. Goumon, K. Messmer, S.E. Ulbrich*
- Nº 8 Exhausted hooligans – genetic analysis of the correlations between ultimate pH in the neck and skin lesions  
*I.M. Häfliger, M. Scheeder*
- Nº 9 Characterization of the Diurnal Pattern of Exhaled Volatile Fatty Acids and Enteric Me-thane Emissions of Dairy Cows  
*M.Z. Islam, S. Giannoukos, S. E. Räisänen, K. Wang, X. Ma, F. Wahl, R. Zenobi, M. Niu*
- Nº 10 The genetic background of nitrogen use efficiency and methane emissions in Swiss dairy cows: Ongoing activities at Agroscope  
*C. Kasper, F. Schori, S. Ampuero Kragten, B. Hayoz, R. Siegenthaler und L. Eggerschwiler*
- Nº 11 Hydroponic fodder as alternative feeds to reduce methane emission and water usage: an *in vitro* study  
*Y. Li, R. Peng, C. Kunz, M. Terranova, M. Macsai, E.Frossard, M. Niu*
- Nº 12 Effect of whey on *in vitro* ruminal methane formation and digestibility in cows  
*H. Luisier-Sutter, L. Isele, M. Terranova, S. Amelchanka, M. Schick*
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# Posterausstellung

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- Nº 13      *Effect of 3-nitroxypropanol (3-NOP, BOVAER®10) and whole cottonseed on milk production, total-tract digestibility, and enteric methane emissions in holstein and brown Swiss dairy cows*  
*X. Ma, S. E. Räsänen, T. He, MZ. Islam, Y. Li, R. Peng, M. Reichenbach, X. Sun, K. Wang, S. Yang, Z. Zeng, I. Müller, M. Niu*
- Nº 14      Effects of combining plant-based compounds with 3-nitroxypropanol (3-NOP, Bovaer®10) on methane emissions and lactational performance of dairy cows  
*X. Ma, S. E. Räsänen, K. Giller, M.Z. Islam, Y. Li, R. Peng, M. Reichenbach, X. Sun, I. Müller, M. Niu*
- Nº 15      Comparison of dry matter intake, production, and enteric methane emissions in dairy cows housed in respiration chambers vs. a head-chamber system (GreenFeed)  
*X. Ma, S. E. Räsänen, S. Amelchanka, K. Giller, MZ. Islam, Y. Li, R. Peng, M. Reichenbach, X. Sun, I. Müller, M. Niu*
- Nº 16      Dairy cow differential somatic cells and precision livestock farming: an Italian case  
*S. Mondini, M. Zucali, G. Gislou, L. Bava*
- Nº 17      Communicating knowledge on grassland management using videos and online fact sheets  
*C. M. Pauler, D. Mettler, Th. Alföldi, H. Willems, C. Werder and M.K. Schneider*
- Nº 18      M2M networking of devices in the dairy barn  
*J. Poteko und J. Harms*
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# Posterausstellung

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- Nº 19      Effects of 3-nitrooxypropanol (3-NOP, Bovaer®10) and whole cottonseed on enteric emissions, milk production and total-tract digestibility, in holstein and brown swiss dairy cows  
*X. Ma, S. E. Räisänen, T. He, M.Z. Islam, Y. Li, R. Peng, M. Reichenbach, X. Sun, K. Wang, S. Yang, Z. Zeng, I. Müller, M. Niu*
- Nº 20      First Detection of systemic porcine circovirus 3 associated disease in Switzerland  
*G. Rosato, F. Seehusen, J. Segalés, M. Sibila, A. Cobos, R. Graage*
- Nº 21      Effects of follicular superstimulation on OPU-IVP outcome in German Fleckvieh heifers  
*D. Scarlet, I. Serbetci, M. Lautner, H. Bollwein*
- Nº 22      Comparative study of the morphokinetic parameters of embryos produced *in vitro* with sex-sorted vs. unsorted bovine sperm  
*I. Serbetci, C. Herrera, M. Melean, M. Steiner, M. Siuda, S. Holden, E. Malama, St. Butler, H. Bollwein*
- Nº 23      Effect of ambient temperature on reticulorumen temperature, feed and water intake, and milk yield of dairy cows during colder seasons  
*A. M. Serviento, T. He, X. Ma, S. E. Räisänen, M. Niu*
- Nº 24      An alternative to the use of live mouse oocytes for the quality control of cryopreserved mouse sperm  
*N. Shapovalova, E. Malama, J. vom Berg, H. Bollwein*
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# Posterausstellung

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- Nº 25      Nanobodies, highly specific antibody fragments as an alternative to classical antibodies for use in research, diagnostics, and therapy  
*S. Štefanić*
- Nº 26      Production, screening and identification of in vivo matured camelid antigen binding fragments (nanobodies) generated against protein of interest  
*S. Štefanić*
- Nº 27      Evolution of a rating key – how to evaluate tail lesions in fattening pigs?  
*N. Stöckli, S. Imfeld, I. Häfliger*
- Nº 28      Dietary supplementation of vitamin D3 and Ca partially recover compromised lying behavior in lactating cows under heat stress  
*K. Wang, A. Ruiz-González, S. E. Räsänen, V. Ouellet, A. Boucher, D. E. Rico, M. Niu*
- Nº 29      Computer vision-based models for estimation of respiratory rate of dairy cows using contactless videos  
*M. Wang, R. Peng, S. E. Räsänen, X. Sun, K. Wang, M. Niu*