Invitation to Digital Vivarium Seminar:

ENHANCE YOUR STUDY OUTCOME
Discover How the DVC® Monitoring System Can Help Researchers Improve Scientific Results

Learn how the DVC system can transform YOUR facility into a digital vivarium, help standardize research accuracy, improve animal welfare and the 3Rs as well as housing and vivarium management.

- Monitor and identify cage activity levels and animal status, and detect change in behaviour and aggression at an early stage
- Identify undesired changes in animal behaviour
- Improve reproducibility of your research with automated and non-invasive data collection
- Unveil novel insights while capturing continuous data 24/7 directly from the home cage
- Reduce animal handling and increase data collection samples to refine your study outcome with quantitative metrics
- Perform multiple experiments in parallel and avoid the risk of introducing unpredictable environment-related behaviour

JOIN OUR FREE-OF-CHARGE SEMINAR!

When
Wednesday 30 October 2019 from 10-13:00.
We will be serving a light lunch and beverages.

Where
University of Oslo, Domus Medica
Sognsvannsveien 9, Oslo

Sign up
https://www.surveymonkey.com/r/ZHYSMVV
Deadline: Thursday 10 October 2019

A cooperation between
Study References

"By using continuous home-cage recordings we observed that food and water restriction induced a reversible reduction of overall activity levels that went undetected using the instantaneous scoring method." (Goltstein et al. 2018.)

"DVC is effective in identifying mouse cages with patterns of high activity levels, signaling possible aggression incidences, thus potentially allowing for early intervention and consequently improving animal welfare." (Giles et al. 2018).

"These data demonstrate that home cage monitoring is scalable and run in real time, providing complementary information for animal welfare measures, experimental design and phenotype characterization." (Pernold et al. 2018).

"The results show that the proposed home-cage monitoring system can provide animal activity metrics that are comparable to the ones derived via a conventional video tracking system, with the advantage of system scalability, limited amount of both data generated, and computational capabilities required to derive metrics." (Iannello F. 2019).

"In summary, our results indicate that, for the measures recorded, there was no significant impact on the behaviour and welfare of low frequency EMF exposure experienced continuously over a six-week period as an integrated part of this IVC housing system for BALB/cAnNCrl and C57BL/6NCrl mice." (Burman et al. 2018).

Learn more about DVC®

https://www.scanbur.com/products/housing/digitally-ventilated-cages-dvc