SCANBUR
Improving Life Sciences

Invitation to Free-of-Charge Seminar:

RESEARCH IN THE HOME CAGE

MONITOR & LOG YOUR ANIMALS' CAGE ACTIVITY 24/7 WITH THE DVC® SYSTEM

Join our DVC® (Digitally Ventilated Cage) Seminar for a Digital Vivarium
The seminar will show you how the DVC will transform your facility into a real digital vivarium, help standardize research accuracy, improve animal welfare, housing and vivarium management. By monitoring and identifying cage activity levels, animal status and change in behaviour and aggression can be detected early to prevent animal loss and improve animal welfare. *For study references, kindly refer to page 2.*

Seminar Headlines:
- Introduction to DVC technology
- Why Home Cage Monitoring can be the solution: Pros and cons
- DVC scientific publications, case studies and ongoing experiments
- How to properly design an experiment with DVC technology
- DVC analytics: Analytic platform to crunch data and produce reports for boosting of your results
- Live demo of the DVC research platform
- DVC, a solution for all: Overview of other DVC functionalities to improve vivarium management

When & Where:
Tuesday 28 May 2019 from 13-15:30 at Campus Solna, Karolinska Institutet. The seminar will consist of 2 sessions and in-between sessions, we will have a break where you can talk to product specialists and enjoy fika.

Sign Up:
https://websurvey.textalk.se/start.php?ID=124096

Deadline for Sign Up:
Tuesday 21 May 2019.

We hope to see you there!

Best regards,
SCANBUR

In cooperation with

KAROLINSKA INSTITUTET ANNO 1810

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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).*