SEMINAR:

THE FUTURE OF VIVARIUM MANAGEMENT

Make sure to save your seat at our upcoming joint University of Copenhagen/ Tecniplast/SCANBUR seminar to learn more about how you can digitalize your vivarium with DVC® Digital Ventilated Cage.
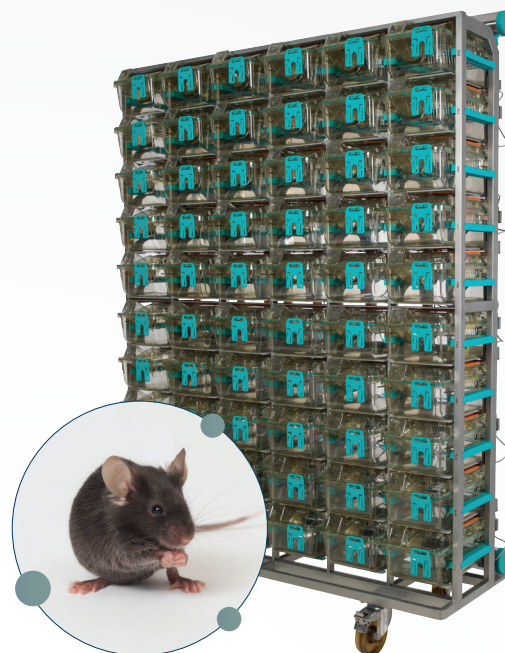
Departments AEM and CBMR will share their experiences with DVC®, and we will treat you to interesting scientific talks and sessions.

Join us for a day of knowledge-sharing and networking, register today!

Best regards,
Mona Slangerup
Account Manager, SCANBUR

WHEN: Tuesday 17 September 2024 from 10-15:30.

WHERE: University of Copenhagen, Henrik Dam Auditorium, Building 9, Blegdamsvej 3B, 2200 Copenhagen N.

REGISTRATION: https://www.surveymonkey.com/r/3DSKZMF
Deadline: Thursday 5 September 2024.

SPEAKERS

Title: The DVC® Digital Ventilated Cage, The Future of Vivarium Management
Speaker: Franco Mondini, Global Sales Director, DigiLab Solutions, Tecniplast

Title: Advanced Home Cage Monitoring with DVC®. AI-Assisted Animal Welfare and Novel Digital Biomarkers
Speaker: Stefano Gaburro, PhD, Scientific Director, DigiLab Solutions, Tecniplast

Title: Urination in the Home Cage: Development of a Digital Biomarker for Sample-Free Diagnosis of Diabetes in Mice
Speaker: Thomas Svava Nielsen, PhD, TSN Scientific Consult

Title: Non-Invasive Narcolepsy Phenotyping Using the DVC® System
Speaker: Birgitte Rahbek Kornum, Associate Professor, Department of Neuroscience, University of Copenhagen

UNIVERSITY OF COPENHAGEN

TECNIPLAST

SCANBUR
Improving Life Sciences

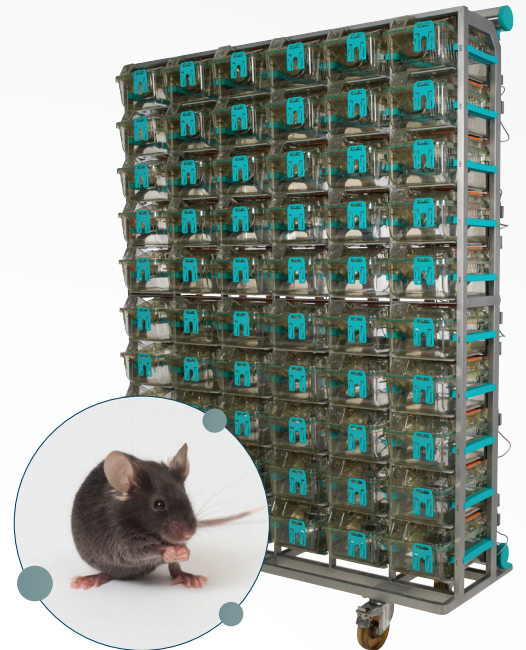## IMAGINE IF YOUR VIVARIUM COULD …

MONITOR ANIMAL WELFARE:
- Send a text in real time to notify of a cage leak
- Alert which cages are low on food/do not have a water bottle
- Detect when no or less activity is present
- Notify you of cages where mice are fighting
- Document alarms and alert the veterinarian
- And more functions are under development ...

AUTOMATICALLY DETECT CAGES:
- Detect how many cages are in use/not in use
- Automatically track cage location/data
- Detect activity outside of working hours
- Detect how long a cage was removed from a rack
- Determine how many cages to bill a researcher, no manual counting (automated census)
- Visual guide for animal care takers, color-coded LEDs

STREAMLINE YOUR OPERATIONS:
- Improve the animal caretaker experience
- Know staffing requirements based on task load
- Lessen the amount of time animals are handled
- LED light cage status notifications
- Reduce bedding usage by more than 35%
- Significantly decrease cage washer and autoclave usage

AND YOUR RESEARCHERS WERE ABLE TO ...

- Capture 24/7 data on mice activity and location
- Control light conditions in the cage for circadian rhythm studies
- Obtain real time data from a running wheel
- Ensure experiment design is not impacted by animal handling
- Monitor animal hypoactivity and hyperactivity
- Detect animal fighting/aggression
- Detect increased urination (potentially polyuria)
- Determine if environmental changes impacted an animal or experiment
- Work with Tecniplast Analytics Team for raw data analysis

AREAS OF USE :
- Phenotyping
- Circadian rhythms
- Neuroscience
- Aging and sleep studies
- Infectious disease

- Metabolism
- Oncology
- Surgical recovery
- Adaptation
- Acclimation

WITH DVC® YOU CAN!

TECNIPLAST®

UNIVERSITY OF COPENHAGEN

08.2024/vs2