1st Annual International DIGITAL VIVARIUM FORUM

How technology can improve Animal Facility Management and science performance

4th - 6th September, 2019

Tecniplast Congress Centre, Buguggiate (VA) - Italy

LIMITED TO 35 ATTENDEES

For furher information please contact:

Cristina PANIGADA
cristina.panigada@tecniplast.it

Giorgio ROSATI
giorgio.rosati@tecniplast.it

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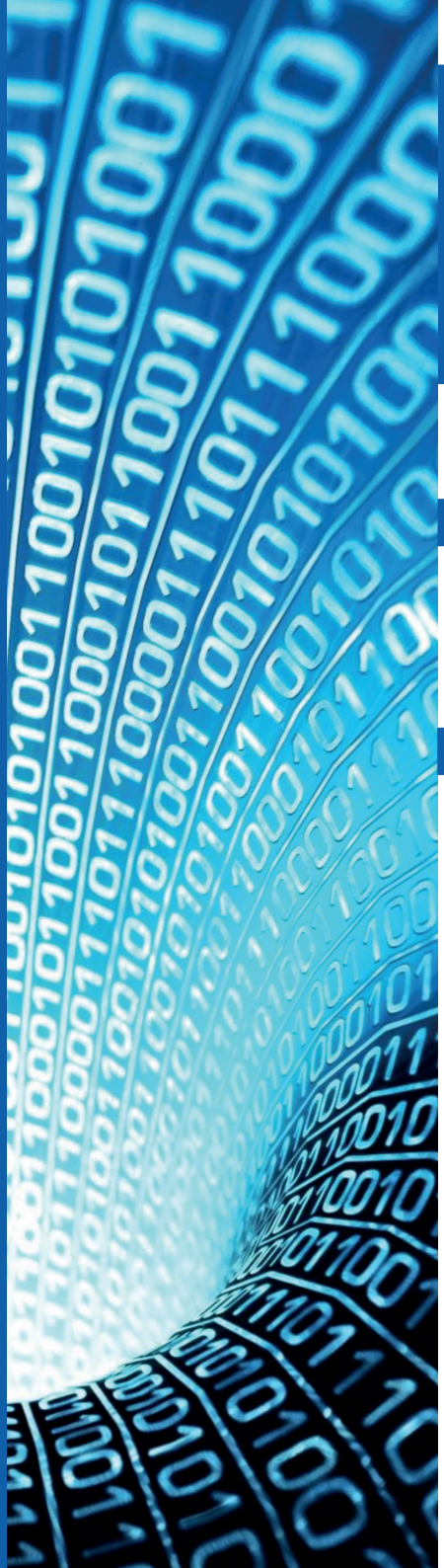
innovation through passion



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Tecniplast Congress Centre | Buguggiate (VA) - ITALY

THE COURSE

Presentations will be given by Vivarium Managers and Researchers that have already embraced the digital transformation. Attendees will get first-hand knowledge on how digitalization improves Vivarium management, streamlines processes and reduces running costs as well as leading to new opportunities for science and researchers.

SOME TOPICS

- **ANIMAL WELFARE**
  Improve animal welfare as well as Vivarium efficiency and productivity, by checking and tracking the status 24/7 of the cages in your animal rooms
- **BALANCE VIVARIUM WORKLOAD**
  Standardize cage condition, reduce running costs and optimize resources usage
- **IMPROVE COLONY MANAGEMENT**
  Optimize cage and animal management thanks to real time awareness of events occurring in the Facility
- **ENHANCE SCIENTIFIC OUTCOME**
  Automatic collection and processing of objective and unbiased data from animals to deepen understanding of scientific experiments outcomes

EARLY REGISTRATION before June 30th 2019: **€500 - $600** (VAT included)
REGISTRATION from July 1st onwards: **€600 - $700** (VAT included)
Fee includes hotel accommodation, meals, internal travel in Italy

REGISTRATION DEADLINE: AUGUST 5TH 2019

TECNIPLAST

DIGITAL VIVARIUM FORUM – ADVANCED PROGRAMME

Wednesday, 4th September

Pick up from the Hotel and transfer to the Congress Center…….,	08:30 AM
Welcome and Opening……..	09:00 AM
Cloud and Security: examples of how the cloud can enable extra services……. *Alex Casalboni – Amazon Technical Evangelist, Italy*	09:15 AM
Biorhythms as revealed by long-term recordings with DVC®…….. *Brun Ulfhake – Department of Neuroscience, Karolinska Institute, Sweden*	09:45 AM
Impact of age and restricted feeding on in-cage activity as revealed by DVC® recordings…… *Karin Pernold - Department of Laboratory Medicine, Karolinska Institute, Sweden*	10:15 AM
Metabolic and behavioral sciences / The Power of n & 3R's in practice……. *Bartosz Schramm - Sable Systems International, Germany*	10:45 AM
Coffe Break……..	11:15 AM
A culture of care, what does it actually mean? Is there a role for technology? …….. *Jan-Bas Prins - Biological Research Facility, Francis Crick Institute, UK & Leiden University Medical Centre, The Netherlands*	11:45 AM
Probing the impact of husbandry practices on mouse behavior and welfare using automated home cage monitoring…….. *Mathias Leblanc - The Salk Institute for Biological Studies, USA*	12:15 PM
Closing session 1……	12:45 PM
Lunch……..	01:00 PM
Reimagining vivarium through strategic digital transformation…….. *Szczepan Baran - Head of Emerging Technologies, LAS, Novartis, USA*	02:00 PM
DSI vision about technology. Potential synergies between different technologies (DSI + DVC) can offer more to the science …… *Thomas Penning - Data Sciences International, Germany*	03:00 PM
The Missing Link to Improving Efficiency & Productivity in the Digital Lab …….. *Paul Donohoe & Jay Campbell - Somark Innovation, USA*	03:30 PM
Pharma Presenter, pending……	04:00PM

DIGITAL VIVARIUM FORUM – ADVANCED PROGRAMME

Closing session 2……	04:30 PM
Transfer from Congress Center to Hotel……	04: 45PM
Pick up from Hotel for dinner……	07:00 PM
Transfer from Restaurant to Hotel……	10:30 PM

Thursday, 5th September

Pick up from the Hotel and transfer to the Congress Center……	08:30AM
AI vision and how it can impact our future…… *Mattia De Rosa - Microsoft, Italy*	09:00AM
Home cage-based behavior assays: from animal welfare benefits to important scientific developments…… *Oliver Stiedl - Animal Welfare Body VU & VUmc, The Netherlands*	09:30 AM
EPFL vision about technology and how it can impact science. Preliminary results coming from DVC® …… *Raphael Doenlen & Maroun Bou Sleiman - EPFL, Switzerland*	10:00 AM
Enrichment case study…… *Fabrizio Scorrano - Scientist II LAS, Novartis International AG, Switzerland*	10:30 AM
Coffe Break……	11:00 AM
Stroke in Alzheimer studies refined by DVC® home-cage monitoring system…… *Amanda J Kiliaan - Radboud University Medical Center, The Netherlands*	11:30 AM
CNR vision about technology. Preliminary results on ALS studies in combination with home-cage monitoring system…… *Marcello Raspa, CNR Consiglio Nazionale delle Ricerche (IBCN) CNR-Campus International Development EMMA-INFRAFRONTIER-IMPC, Italy*	12:00 AM

DIGITAL VIVARIUM FORUM – ADVANCED PROGRAMME

Observing rodents in the home cage, from welfare assessment to behavioral monitoring: the role of video technology …….. *Lucas P.J.J.- Noldus Information Technology, The Netherlands*	12:30 PM
Lunch……	01:00 PM
Departure to Milan……	02:30 PM
Sightseeing Tour of Milan……	03:30 PM
Dinner at the "Museum of Science and Technology"……	07:30 PM
Transfer from Restaurant to Hotel……	10:30 PM

Friday, 6th September

Pick up from the Hotel and transfer to the Congress Center……	09:00AM
Weizmann vision about technology and how it can impact husbandry procedure…… *Alon Harmelin - Department of Veterinary Resources, The Weizmann Institute of Science, Israel*	09:30AM
Better science and animal welfare from mobile and real-time digital data integration with Enos and Tecniplast DVC®…….. *Eric Rieux - ENOS, France*	10:00AM
Results from a DVC®-equipped Facility. The importance of integration with an already existing Colony Management System…….. *CCP Institute presenter, Czech Republic & Scionics, Germany presenter*	10:30AM
Coffee Break……	11:00AM

DIGITAL VIVARIUM FORUM – ADVANCED PROGRAMME

Grenoble vision about technology and how it can impact husbandry procedure……. *Hervé Lerat - University of Grenoble-Alpes & Institute for Advanced Biosciences, France*	11:30AM
Overall Pharma vision - How DVC® technology can be used to improve Oncology study designs and animal welfare…….. *Pierre Lainée – Head of In Vivo Research Center, Sanofi, France*	12:00AM
IUCPQ-UL vision of a digital vivarium: Full integration of the DVC® system with the Nagano-Animal Management System …….. *Hopital Laval, Canada presenter + Nagano, Canada Presenter*	12:30AM
Lunch……..	01:00PM
a-tune tick@lab - data, process, people……. *Andreas Staubi - Atune Software, Germany*	02:00 PM
Stroke studies using running wheels and DVC® home cage systems……. *Klara Lohkamp - Radboud University Medical Center, The Netherlands*	02:30PM
Dietary treatment in stroke research using DVC® home-cage monitoring system…….. *Maximilian Wiesmann - Radboud University Medical Center, The Netherlands*	03:00PM
TSE Systems vision about technology. “The Truman Show”, the home cage as a sensing platform to increase its value towards scientific outcomes…….. *Harm Johan Knot - TSE System, Germany*	03:30PM
Design and analysis of experiments using Home Cage Monitoring systems…… *Fabio Iannello – Principal Data Scientist, Tecniplast, Italy*	04:00PM
Round Table Discussion and Meeting Review……	04:30PM
Transfer to Airport (from 5PM ahead)……..	05:00 PM