

**COST Action CA20135 (TEATIME): Improving biomedical research
by automated behaviour monitoring in the animal home-cage (2021-2025)**

Final Conference

TEATIME journey – Shaping the Future of Lab Animal Monitoring

September 2-3, 2025 in Helsinki

Porthania building (Yliopistonkatu 3)

Tuesday, September 2, 2025

08:30-09:00 REGISTRATION

SESSION 1: Legacy of TEATIME – closing the circle

Chair- Sabine Hölter (Helmholtz Zentrum Munich, Germany)

09:00-09:25 Vootele Voikar (University of Helsinki, Finland): *“TEATIME network - dream team of animal behaviour analysts”*

09:25-09:50 Silvia Mandillo (Consiglio Nazionale delle Ricerche, Monterotondo, Italy): *“From Review to Resource: Developing an Interactive Catalogue of Home Cage Monitoring Technologies”*

09:50-10:15 Marion Rivalan (Institut des Neurosciences Paris-Saclay, France): *“Building a Home for the HCM Community: The Story of TheBehaviourForum.org”*

10:15-10:30 Leonardo Restivo (University of Lausanne, Switzerland): *“The Mouse Behavior Ontology (MBO): A Unified Ethogram-Ontology for Harmonizing Rodent Behavior Data in Home Cage Monitoring Research”*

10:30-11:00 COFFEE

SESSION 2: COST building the bridges, boosting the careers

Chair - Selin Cevik (Mersin University, Türkiye)

11:00-11:15 Angelo Basteris (COST, TEATIME Science officer, Belgium): TBD

11:15-11:40 Philipp Villiger (University of Zurich, Switzerland): *“Finding My Place in Science: How TEATIME Opened Doors to Scientific Dialogue”*

- 11:40-12:05 Sophie Schober (Institute of Science and Technology, Vienna, Austria):
"Shaping the Future of Lab Animal Professionals – personal experiences from a young researcher"
- 12:05-12:30 Davor Virag (School of Medicine, University of Zagreb, Croatia): *"Home cage monitoring in a classic neuropharmacology lab. Sure! But... How?"*
- 12:30-14:00 LUNCH BREAK

SESSION 3: Short talks - selected from submitted abstracts

Chairs - Maša Cater (University of Ljubljana, Slovenia) and Dragan Hrnčić (University of Belgrade, Serbia)

- 14:00-14:15 Oren Forkosh, (The Hebrew University, Jerusalem, Israel): *"Toward a Computational Understanding of Affect in Mice"*
- 14:15-14:30 Jordi L.Tremoleda (QMUL, London, UK): *"Challenges and opportunities of using automated home-cage monitoring in CNS injury and repeated anaesthesia models to refine behaviour assessment and animal care"*
- 14:30-14:45 Stefano Gaburro (Tecniplast Spa, Italy): *"AI-Derived Digital Biomarkers for Early Disease Detection in Rodent Models Using Home Cage Monitoring"*
- 14:45-15:00 Oliver Stiedl (Vrije Universiteit Amsterdam, The Netherlands): *"Identifying cardiovascular risk by nonlinear heart rate dynamics analysis: Translational biomarker from home cage monitoring of mice to humans"*
- 15:00-15:15 Short break
- 15:15-15:30 Marija Heffer (University of Osijek, Croatia): *"Missing virtual women"*
- 15:30-15:45 Michal Milczarek (University of Bristol, UK): *"Phenotyping behavioural deficits in pre-weaning mice using a custom, low-cost video monitoring system"*
- 15:45-16:00 Pia Kahnau (German Federal Institute For Risk Assessment, German Centre for the Protection of Laboratory Animals): *"From need to device: The Mouse Position Surveillance System (MoPSS)"*
- 16:00-16:15 Hamid Taghipourbibalan (UiT The Arctic University of Norway, Tromsø, Norway): *"RTFED: an open-source, versatile tool for home-cage monitoring of behaviour and brain recording in mice"*

POSTER SESSION

- 16:15-18:00 POSTERS and "Best Practice in HCM" interactive board game, networking and social interaction
Refreshments provided from 16:15

Wednesday, September 3, 2025

SESSION 4: From Bedding to Bedside

Chair - Oliver Stiedl (Vrije Universiteit, Amsterdam, the Netherlands)

09:00-09:30 Martien Kas (University of Groningen, the Netherlands): "*The neurobiology of social dysfunction: a transdiagnostic and translational approach*"

09:30-10:00 Fuschia Serre (Université de Bordeaux, France): "*From Lab to Real Life: How Ecological Momentary Assessment and Intervention (EMA/EMI) advance human addiction research*"

10:00-10:30 Hugo Plácido da Silva (Instituto de Telecomunicações / Instituto Superior Técnico, Lisboa, Portugal): "*Physiological Sensing Anywhere*"

10:30-11:00 COFFEE

SESSION 5: Bridging Drug Discovery and Animal Welfare

Chair - Alice Melloni (Istituto Italiano di Tecnologia, Genova, Italy)

11:00-11:30 Stefania Gobessi (Director In Vivo Pharmacology at IRBM SpA, Italy): "*Industrial In Vivo Research: Navigating Data Quality and Welfare Compliance in a Changing Landscape*"

11:30-12:00 Sara Wells (Mary Lyon Centre at MRC Harwell, MRC's Centre for Macaques Porton Down and the Francis Crick Institute, UK): "*Where next for HCM in preclinical research? Challenges and Opportunities*"

12:00-12:15 Benoit Petit-Demoulière (PHENOMIN-ICS, France): "*FAIR3R: a Preclinical data sharing portal*"

12:15-12:30 Damien Huzard (NeuroNautix, Montpellier, France): "*Enhancing Metadata Management for Reproducibility in Preclinical Research*"

12:30-14:00 LUNCH BREAK

SESSION 6: From Idea to Ideal, success stories from across the field

Chair: Sonia Bains (Mary Lyon Centre MRC Harwell, UK)

14:00-14:25 Stuart Peirson (University of Oxford, UK): "*Combined sleep and circadian rhythm assessment in the home cage: The journey so far...*"

14:25-14:50 Elodie Ey (Université de Strasbourg, France) & Fabrice du Chaumont (Institut Pasteur, Université de Paris Cité, France): *"Live Mouse Tracker, an evolving behavioural monitoring tool"*

14:50-15:15 Lex Kravitz (Washington University in Saint Louis, MO, USA) via Zoom: *"FED3: An open-source device for training mice"*

15:15-15:30 Round-table discussion

15:30-16:00 COFFEE

SESSION 7: Future perspectives beyond TEATIME – opening new doors Chair - Jan Rozman (University of Luxembourg, Luxembourg)

16:00-16:25 Claire Witham (Centre for Macaques at MRC Harwell, Salisbury, UK) via Zoom: *"Implementing machine learning pipelines for continuous home cage monitoring"*

16:25-16:55 Ajeesh Koshy Cherian (GSK, USA) via Zoom: *"Rodent home cage monitoring as a strategy in preclinical safety assessments to mitigate central nervous system-related risks"*

16:55-17:15 Indrek Heinla (Estonian Research Council and University of Tartu, Estonia): *"Opportunity in uncertainty: strategic thinking for TEATIME and preclinical automated behavioral monitoring"*

17:15-17:30 Sonia Bains (Mary Lyon Centre at MRC Harwell, UK): *"Framework for a FAIR repository of Home Cage Monitoring data: Showcasing the power of collaborative thinking"*

Closing and farewell