THE 3RD ULTRASONIC VOCALIZATION

26-27.10.2023 CONFERENCE

SILENT SYMPHONIES:
THE WONDERS OF ANIMAL ULTRASOUNDS

NENCKI INSTITUTE OF EXPERIMENTAL BIOLOGY, PASTEURA STREET 3, WARSAW

PROGRAMME OF THE 3RD
ULTRASONIC VOCALIZATION CONFERENCE

THURSDAY • 26.10.	FRIDAY • 27.10

10:00

10:00-10:35 • STEFAN BRUDZYŃSKI
*Functions of 22 kHz ultrasonic vocalizations
in rats resulting from aversive arousal*

10:00-10:25 • PAWEŁ BOGUSZEWSKI
*Methods applied in acoustic signal analysis.
Which is worth using?*

10:40-11:05 • MARKUS WÖHR
*Improving translational research models
for human mental disorders:
Deciphering socio-affective communication
through ultrasonic vocalizations in rats*

10:30-10:55 • JUMPEI MATSUMOTO
*USV source identification
for investigating neurobiology
of social behavior*

11:00

11:10-11:35 • NICOLA SIMOLA
*Modifications in the emission of 50-kHz USVs
in rats repeatedly treated with amphetamine
and dopamine receptor antagonists:
new insights on the role of dopamine transmission
in ultrasonic calling behavior*

11:00-11:25 • BERNHARD ENGLITZ
*Towards a real-time
audiovisual tracking system
at millimeter precision*

11:30-11:55 • METRIS
*Challenges and the way forward
in automated classification
of ultrasonic vocalizations*

12:00

11:40-12:05 • SYLVIE GRANON
*Social interaction and acoustic communication
male and female mice: Beyond the gender difference*

12:05-12:25 • BREAK	11:55-12:20 • BREAK

12:25-12:50 • ÖZGE SUNGUR
*Ultrasonic Vocalizations in Mouse Models for Autism
Spectrum Disorder: A Link to Synaptic Dynamics*

12:20-12:45 • FABRICE DE CHAUMONT
*Quantification and synchronization
of vocalizations with live mouse tracker*

13:00

12:55-13:20 • ANGELA CARUSO
*Ultrasonic vocalizations as a model of social
communication in neurodevelopmental condition*

12:50-13:15 • REYHANEH ABBASI
*Exploring generalizability
in ultrasonic vocalization
detection and classification methods*

13:25-13:50 • ELODIE EY
*Context-specificities of ultrasonic vocalisation
characteristics in laboratory mice*

13:20-13:45 • MIRON KURSA
Machine learning on populations

14:00

13:55 – 14:20 • AGNIESZKA POTASIEWICZ
*Pups' ultrasound vocalizations in the neurodevelopmental
model of schizophrenia.*

13:50-14:15 • ROBERT KUBA FILIPKOWSKI
*Are we missing something?
Exploring aversive calls
in the 44-kHz frequency band*

14:25-14:45 • TOMASZ GÓRKIEWICZ
Social buffering during fear memory extinction

15:00

15:00-16:40 • LUNCH BREAK + SCIENCE SNAPSHOTS	14:20-15:20 • LUNCH BREAK

16:40-17:05 • SHIMPEI ISHIYAMA
*Exploring the emotional side of ticklishness:
Insights from insular neurons*

15:25-15:50 • KEVIN COFFEY
*Rapid appearance of negative emotion during oral
fentanyl self-administration: Insights from DeepSqueak*

16:00

17:10-17:35 • PAUL CLARKE
*Adult rat ultrasonic vocalizations:
useful indices of positive or negative affect?*

15:55-16:20 • DAVID BAKER
*Providing Better Translational Insights into Substance Use
Disorders Using Ultrasonic Vocalizations*

17:00

17:40-18:00 • ADAM HAMED
*Exploring Ultrasonic Vocalization's Role
in Reward-Related Memory and Goal-Directed Behavior*

16:25-16:50 • JEFFREY BURGDORF
*The role of Ultrasonic vocalizations
in translational neuroscience*

17:00-18:30 EXPERTS DISCUSSION PANEL

18:00