

Genetics, Epigenetics and Neurobiology of Damaging Behaviour

Bratislava, Slovakia, November 2018



PhD and Postdoc Training School on Genetics, Epigenetics and Neurobiology of Social Behaviour in Laying Hens and Pigs

Training School organized by the COST Action CA15134

‘Synergy for preventing damaging behaviour in group housed pigs and chickens’

What? A 3-day Training School on how Breeding and Epigenetics influence the behaviour and welfare of animals, and understanding of neurobiological processes. An opportunity for PhD students and Postdocs to learn about Genetics of Normal and Damaging Social Behaviour in pigs and laying hens, to discuss the latest science and make new European connections (2 ECTS)

Keywords Social interactions, genetics, epigenetics, brain processes, animal tracking, biomarkers, ‘omics’ data, ethical considerations, breeding goal

When? 12th to 14th of November 2018

Venue: **Mercure Bratislava Centrum Hotel**

Žabotova street 2

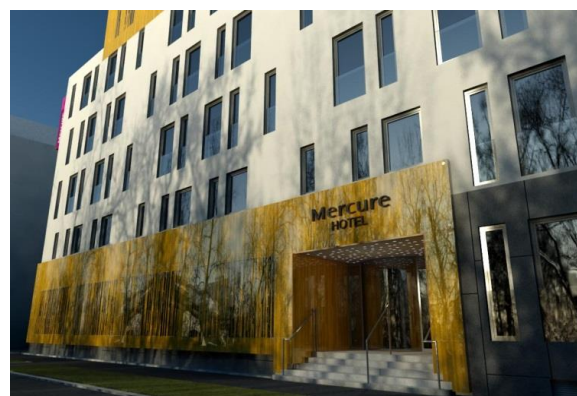
811 04 Bratislava

Slovakia

web: www.accorhotels.com/gb/hotel-6840-mercure-bratislava-centrum-hotel/index.shtml

GPS : 48.156322, 17.108049

For PhD students and post docs, scholarships are available to cover the costs for travel and subsistence. To apply for a scholarship, please, fill in the enclosed Reservation form and send it to laurianne.canario@inra.fr by September 15th 2018.



Access and transport

From the Main Railway Station

Hotel is within walking distance (100 m) from the Main Railway Station (see enclosed map)

From the Central Bus Station

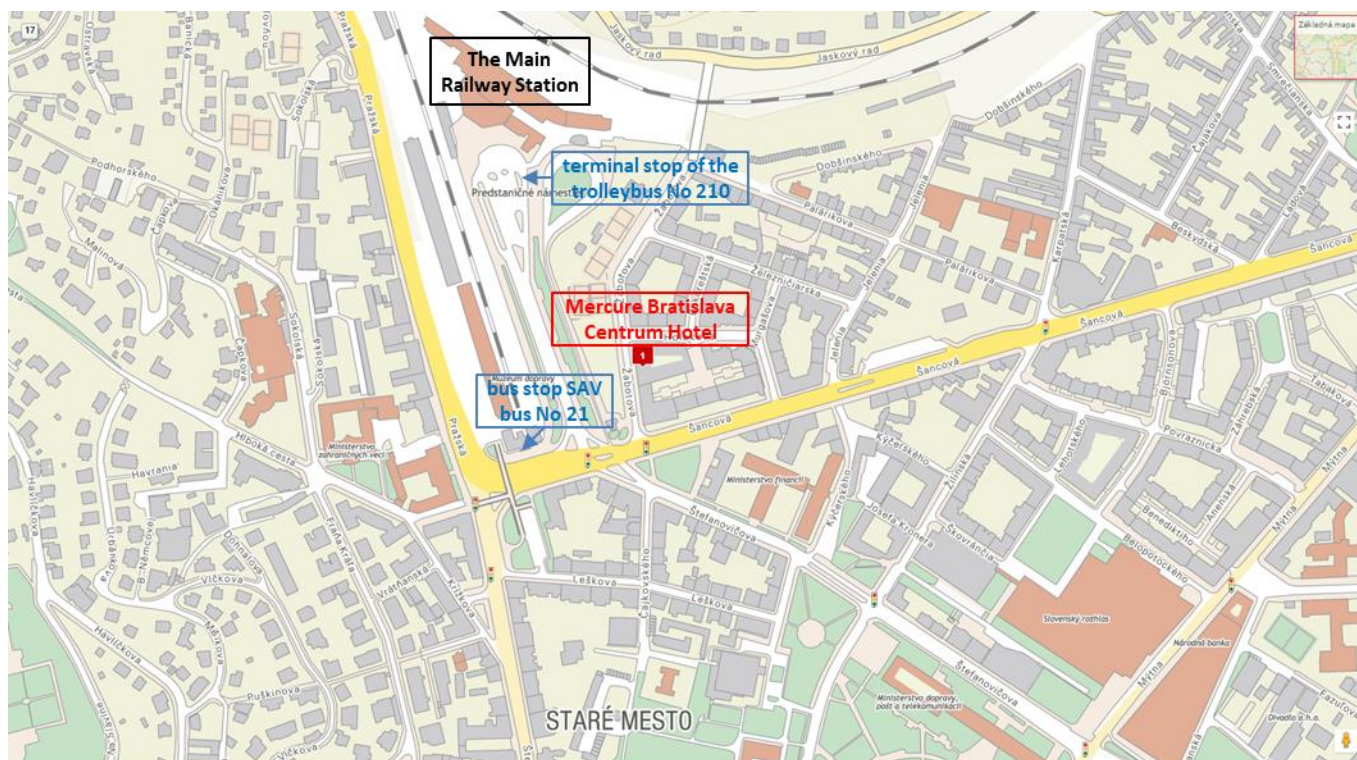
Hotel is situated 3 km from the Central Bus Station. From the bus station „Mlynské nivy“ use the trolleybus number 210 and get off at the stop named „Hlavná stanica“ (the Main Railway Station), or bus number 21 and get off at the stop “SAV” (Slovak Academy of Sciences). You need to buy 15 minute ticket (0.70 €). There is an orange ticket machine for coins in front of the building of the bus station. For more information, please visit www.dpb.sk/en/ or imhd.sk/ba/routes-lines

From Bratislava Airport

Hotel is situated 8 km from the Bratislava Airport. You need to buy 30 minute ticket (0.90 €) at bus stop in front of the Arrival hall of the airport. There is an orange ticket machine for coins. For more information visit www.dpb.sk/en/ or imhd.sk/ba/routes-lines. Please use bus number 61 and get off at the terminal bus stop named „Hlavná stanica“ (the Main Railway Station)

From Vienna Airport

Vienna Airport is very close to Bratislava and it offers connections from more destinations than the Bratislava Airport. From the Vienna Airport it takes by public transport approximately one hour to the Bratislava Bus Station and the bus connections are frequent (more than one per hour). There are several bus companies providing transport from the Vienna Schwechat Airport to the Bratislava Bus Station. The bus stop is in front of the Schwechat Arrivals hall, platform 04 or 05. You can buy ticket in the bus (from 5.00 €). Please, visit www.slovaklines.sk/vienna/to-vienna-schwechat-airport-already-from-eur-1.html or bustickets.regiojet.com/. After the arrival at the Bratislava Central Bus Station follow the instruction above



Top sights not to miss in Bratislava

For top sights not to miss in Bratislava visit <http://blog.timeforslovakia.com/top-sights-not-to-miss-in-bratislava/> or <https://www.lonelyplanet.com/slovakia/bratislava/attractions/a/poi-sig/3606900>.

Program

Monday November 12

'Genetic background and neurobiology'

- 09:00-09:45 Lubor/Andrew/Bas: Welcome, practical information, introduction to COST
- 09:45-10:30 Laurianne: Coffee and speed networking
- 10:30-11:50 Laurianne Canario, INRA France, Bas Rodenburg, WUR, Netherlands; Introduction to genetics of damaging social behaviours in pigs and laying hens - lectures and group discussion
- 11:50-12:30 Mini research seminars (5 min presentations plus discussion) x 4
- 12:30-13:30 Lunch
- 13:30-15:00 Larry J Young, Emori University, USA, The neurobiology of affiliation and social bonding
- 15:00-15:30 Coffee
- 15:30-17:00 Tom Smulders, University of Newcastle, UK, Relationship between stress and neurogenesis and other brain processes in birds
- Evening to be specified

Tuesday November 13

'Recording, Genomics and Epigenetics'

- 08:30-10:00 Bas Rodenburg, Utrecht University, Netherlands ; Bram Visser, Hendrix Genetics, Tracking social interactions - Which measurements for which phenotypes?
- 10:00-10:30 Coffee
- 10:30-11:00 Mini research seminars x 3
- 11:00-12:30 Eduard Murani, Leibniz Institute, Germany ; Laurence Liaubet, INRA France. The use of 'omics data': biomarkers
- 12:30 Lunch
- 13:30-15:00 Carlos Guerrero-Bosagna, University of Linköping, Sweden. Epigenetics of social behaviour
- 15:00-15:30 Coffee
- 15:30-17:00 Trans-generational inheritance, Individual and social selection: Mini research seminars
- Evening Social evening

Wednesday November 14

'The way forward: reducing damaging behaviour by selective breeding?'

- 09:00-10:30 Christine Leterrier, INRA, France, Experimental designing: responses from a divergent selection for social reinstatement in Japanese quails, relations with production traits.
- 10:30-11:00 Coffee
- 11:00-12:30 Loïc Flatres-Grall, AXIOM, France, A breeding company perspective. Genetic strategies to reduce damaging behavior, account for GxE and ethical and societal concerns
- 12:30-13:30 Lunch
- 13:30-15:00 Alistair Lawrence, SRUC, United Kingdom, Ethical considerations and selective breeding
- 15:00-16:00 Coffee and panel discussion on the way forward: recommendations to end-users and producers
- 16:00 Close

Contacts

COST rules and practices:

Judit Vas judit_banfine.vas@nmbu.no

Accommodation and other practical issues:

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Boris Bilcik bbilcik@gmail.com

Scientific programme:

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Prerequisite

basic knowledge of quantitative genetics

Literature for course preparation

literature will be made available at least two weeks before the start of the course