Normal and pathological reward processing: from synapse to behavior
Essential feature of the human as well as the animal brain is its ability to process information on line in order to efficiently adapt behavior to a changing environment. The brain constantly integrates new sensory information and adjusts its behavioral responses to maximize reward and / or minimize unpleasant and even dangerous consequences for the organism.

The question here is to highlight brain regions that share the ability to "reward" the performance of vital functions such as feeding, exploration of new environments, initiation of new social interactions, reproduction and appropriate reaction to threat? The mesocorticolimbic dopaminergic system was the first neural circuit to be described in this context and is closely related to the whole reward system. Are there other brain reward systems? What happens in the brains of patients with autism spectrum disorders, addiction to drugs or sports, anxiety or depressive symptoms, Parkinson's disease, whose reward system is altered? Answers to these questions do not reach consensus and will be debated during the three days of this conference.

Stéphanie CAILLÉ-GARNIER, François GEORGES, Pierre TRIFILIEFF
Invited speakers

Keynote lecture

- Ivan E. DE ARAUJO, Icahn School of Medicine at Mount Sinai, US

Invited speakers

- Serge AHMED, Bordeaux Neurocampus, FR
- Frédéric ALEXANDRE, Bordeaux Neurocampus, FR
- Jaideep BAINS, University of Calgary, CA
- Christelle BAUNEZ, University of Aix-Marseille, FR
- Camilla BELLONE, University of Geneva, CH
- Martine CADOR, Bordeaux Neurocampus, FR
- Francis CHAOULOFF, Bordeaux Neurocampus, FR
- Elena CHARTOFF, Harvard Medical School, US
- Joshua T. DUDMAN, Janelia Research Campus, US
- Philippe FAURE, Institut de Biologie Paris Seine, FR
- Pierre-Olivier FERNAGUT, University of Poitiers, FR
- Cecilia FLORES, Mac Gill University, CA
- Ebrahim HAROON, Emory University, US
- Thomas KASH, University of North Carolina, US
- Mehdi KHAMASSI, Université Pierre et Marie Curie, FR
- Christoph KELLENDONK, University of Columbia, US
- Stephan LAMMEL, Berkeley - University of California, US
- Angela LANGDON, Princeton University, US
- Diana MARTINEZ, Columbia University, US
- Marisela MORALES, Biomedical Research Center, Baltimore, US
- Ignacio OBESO, Centro Integral en Neurociencias , Madrid, ES
- Emmanuel VALJENT, Institut de Génomique Fonctionnelle, Montpellier, FR
- Peter VANHOUTTE, Institut de Biologie Paris Seine, FR
- Kate WASSUM, University of California, Los Angeles, US

A conference for a wide audience will also take place on Friday 27th September (6pm), at Librairie Mollat

- Thomas BORAUD, Bordeaux Neurocampus, FR
- Cédric BRUN, Université Bordeaux Montaigne, FR
Program

WEDNESDAY, OCTOBER 2ND

REGISTRATION

9AM – 12PM

WELCOMING SPEECH

INTRODUCTION TO REWARD: CONCEPTS / PHILOSOPHY

Serge AHMED (Bordeaux Neurocampus, FR)

SESSION 1  THE EXPECTED AND UNEXPECTED BASES OF REWARD

Stephan LAMMEL (Berkeley - University of California, US)
Christelle BAUNEZ (University of Aix-Marseille, FR)
Kate WASSUM (University of California, Los Angeles, US)

2PM – 8PM

SESSION 2  MODELING OF REWARD

Angela LANGDON (Princeton University, US)
Frédéric ALEXANDRE (Bordeaux Neurocampus, FR)
Mehdi KHAMASSI (University Pierre et Marie Curie, Paris, FR)

PLENARY CONFERENCE

Ivan E. DE ARAUJO (Icahn School of Medicine at Mount Sinai, US)

WINE AND CHEESE around the posters

THURSDAY, OCTOBER 3RD

SESSION 3  FUNCTIONAL AND MOLECULAR DIVERSITY OF DOPAMINE SYSTEMS

Joshua T. DUDMAN (Janelia Research Campus, Ashburn, US)
Marisela MORALES (Biomedical Research Center, Baltimore, US)
Emmanuel VALJENT (Institut de Génomique Fonctionnelle, Montpelier, FR)
Peter VANHOUTTE (Institut de Biologie Paris Seine, FR)
Christoph KELLENDONK (Columbia University, New York, US)
SESSION 4  PATHOLOGIES AND REWARD: FACE-TO-FACE PRECLINICAL TO CLINICAL

Addiction:
Francis CHAOULOFF (Bordeaux Neurocampus, FR)
Diana MARTINEZ (Columbia University, New York, USA)

Anxiety/Depression:
Thomas KASH (University of North Carolina, US)
Ebrahim HAROON (Emory University, Atlanta, US)

Parkinson’s disease:
Pierre-Olivier FERNAGUT (University of Poitiers, FR)
Ignacio OBESO (Centro Integral en Neurociencias, Madrid, ES)

GALA DINNER AT CHATEAU LUCHEY HALDE

FRIDAY, OCTOBER 4TH

SESSION 5  REWARD ACROSS AGE AND SEX

Martine CADOR (Bordeaux Neurocampus, FR)
Elena CHARTOFF (Harvard Medical School, Middleborough, US)
Cecilia FLORES (Mac Gill University, CA)

SESSION 6  SOCIAL REWARD

Jaideep BAINS (University of Calgary, CA)
Philippe FAURE (Institut de Biologie Paris Seine, FR)
Camilla BELLONE (University of Geneva, CH)

CLOSING REMARKS

POSTERS SESSIONS

- Posters will be displayed during the 3 days. Several poster sessions will be available each day.

COFFEE AND LUNCH

- A welcome coffee will be served between 8:30 and 9:00 every morning
- Coffee, tea and refreshments will be available during morning and afternoon breaks
- Lunches will be taken at the conference venue
- A lunch box will be given on Friday
Abstract submission

Abstracts can be submitted for a poster or an oral presentation (15 min talk). Registration is mandatory before abstract submission.

Submission can be done at this address: http://brainconf.u-bordeaux.fr/en/abstracts

Maximum length of abstract is 2 500 block letters, including references. They should not contain any figures.

The deadline to submit your abstract is fixed on the September 13th 2019 at 4 pm (Paris time).

Posters

Poster size is 1m large x 1.60m high max.

Posters will be displayed during the 3 days.

Several poster sessions will be available each day.

Oral presentation

Abstracts for oral presentation will be reviewed by the Scientific Committee. The unselected abstracts will be presented as posters.

Schedule will be given after selection.
Practical information

Where and when

The conference will take place from 2 to 4 October 2019

Venue:
Espace AGORA
Domaine du Haut Carré
Campus de l’Université de Bordeaux
43 rue Pierre Noailles, TALENCE

Agora du Haut-Carré is an unusual setting, being housed in a former convent built in the 1950’s. It is located in the southwest of the city on the Bordeaux University campus, it has a direct access to Bordeaux city center by the tramway in less than 20 minutes.

Tramway station : « Forum » (line B)

GPS: Latitude 44.810012 - Longitude -0.59645

Location on Google map: https://goo.gl/maps/82hP19V8fLnBctbW7
Haven’t registered yet?

The registration is mandatory for all participants.

The total number of participants is limited to 280 and all are expected to attend for the whole duration of the meeting.

The conference fees cover: the expenses for participation, access to all lectures and catering.

Fees are given in Euros and TTC, meaning all taxes included.

You will receive a confirmation email after your registration.

<table>
<thead>
<tr>
<th>REGISTRATION</th>
<th>Fees</th>
<th>Until September 9th 2019</th>
<th>From September 10th 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students, Master, PhD student, PostDoc</td>
<td>180 €</td>
<td>230 €</td>
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<tr>
<td>* Students, Master, PhD, PostDoc members of the University of Bordeaux</td>
<td>120 €</td>
<td>170 €</td>
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<tr>
<td>Senior Scientists and Professors</td>
<td>300 €</td>
<td>350 €</td>
<td></td>
</tr>
<tr>
<td>* Senior Scientists, Engineers and Academics, members of the University of Bordeaux</td>
<td>180 €</td>
<td>230 €</td>
<td></td>
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<tr>
<td>** Industrials</td>
<td>360 €</td>
<td>410 €</td>
<td></td>
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</tbody>
</table>

* All staff attached to a unit located on the campus of the University of Bordeaux can benefit from this rate.

** The registration of an industrial does not include the purchase of a stand. If you wish to sponsor us, please contact us.

Please note!

A contribution of 36 euros (all tax included) is requested for the gala evening of Thursday, October 3rd, which will bring you in the prestigious Château Luchey-Halde, near Bordeaux.
Welcome to Bordeaux!

Coming to Bordeaux

Train: it takes only two hours of TGV to come from Montparnasse station in Paris! Daily trips by TGV are also available from Charles de Gaulle Airport (CDG), Lille and Strasbourg.

www.oui.sncf

International Airport: Bordeaux is connected to a hundred destinations all over the world:

https://www.bordeaux.aeroport.fr/

Accommodation

Hotel booking is left at the participant's initiative: find your room and book it online using for instance the Internet site of the Office de Tourisme de Bordeaux. You have a choice of hotels with 1, 2 or 3 stars in the range of price from 50 to 130 €.

https://www.bordeaux-tourism.co.uk/Plan-your-trip/Where-to-stay

We may recommend the following list of hotels located in the historic center of Bordeaux city (districts of "Grands hommes", "Quinconces", "Hôtel de ville" and "Mériadeck"). They are close to the tramway stops of line B - direction Pessac, the right way to reach the Conference location.

- Hôtel de France **
- Hôtel Gambetta **
- Hôtel la Porte Dijeaux **
- Hôtel des 4 Sœurs **
- Hôtel de l’Opéra **
- Hôtel Le Chantry **
- Ibis budget hôtel Bordeaux-Centre **
- Hôtel Ibis style Bordeaux Mériadeck ***
- La Maison du Lierre ***
- Hôtel Ibis Mériadeck ***
- Best Western Bordeaux-Bayonne Etche Ona ***
- Adagio Bordeaux Gambetta ****
- Mama Shelter
Transportation in the city

Haut Carré is on the line B of the tramway. Station name: Forum

Tickarte: for occasional travellers

TBM magnetic tickets are known as Tickartes. They are recommended for individuals who only travel on the network occasionally or people visiting Bordeaux for a short period. Tickartes cannot be topped up at present.

You can buy Tickartes by the day or for single journeys. Prices start at €1.70 for one journey.

Find out about different types of Tickartes and how to use them correctly on: https://www.infotbm.com/en/titres-et-tarifs/tbm-tickets.html

You're an invited speaker?

Bordeaux Neurocampus will arrange transportation, accommodation and tram tickets.

Any question? Contact us at brainconf@u-bordeaux.fr
Gala dinner

Thursday, October 3rd / 7:30 PM - 11 PM
only for participants registered to the gala dinner

Château Luchey-Halde is located in the heart of Bordeaux, in the prestigious Pessac-Léognan appellation, and benefits from an exceptional terroir.

It is constituted of several ridges which contain gravel, pebbles and fine soil deposited by the Garonne River and its tributaries between the end of the Tertiary and the beginning of the Quaternary periods. It is a poor but well-drained soil perfectly adapted to winegrowing in the oceanic climate of Bordeaux.

The gala dinner includes a visit of the cellar.

www.luchey-halde.com

How to get there?

A shuttle will be arranged from hotels to gala dinner.

By tram: line A – Stop: “Fontaine d’Arlac” stop (10 min by walking)

By taxi: adresse is “7 avenue du Maréchal Joffre – Mérignac”
You want to sponsor the event?

Logo, goodie, flyer, booth... Several packs are available. More details at:


Any question?

Don’t hesitate to contact us at brainconf@u-bordeaux.fr
Organisation

Scientific Committee

Stéphanie Caillé-Garnier / stephanie.caille-garnier@u-bordeaux.fr
INCIA – Bordeaux Neurocampus

François Georges / francois.georges@u-bordeaux.fr
IMN – Bordeaux Neurocampus

Pierre Trifilieff / pierre.trifilieff@inra.fr
Nutrineuro – Bordeaux Neurocampus

Administration

Any question? You can send an email to brainconf@u-bordeaux.fr

Budget, transportation:
Jennifer Annette - jennifer.annette@u-bordeaux.fr

Communication, abstracts:
Arnaud Rodriguez - arnaud.rodriguez@u-bordeaux.fr

Bordeaux Neurocampus is the neuroscience department of the university of Bordeaux

Director of Bordeaux Neurocampus:
Nathalie Sans – nathalie.sans@u-bordeaux.fr