



IMAGIN(E)G MOUSE MASTER CLASS in 3R: PATHBIO M2CI-PATHBIO – 4 to 8 of November 2019 –

Introduction

Imaging techniques have been powerful to understand and follow the progress of disease in human but also in animal models. They offer the opportunity to characterize further the features with a wide variety of methods and they are almost translational, with most of them preliminary developed in human and adapted to animal models.

PATHBIO (www.pathbio.org) is an EU-funded ERASMUS+ Knowledge Alliance for “Precision Pathobiology for Disease Models”, including major European Universities, 5 European “Mouse clinics” for high-throughput phenotyping of mice, major mouse providers (Charles River, JAX, TCP), as well as associated partners worldwide (KMPC, APN, UATE, UCT). This Knowledge Alliance will provide courses and online teaching material for mouse embryology and anatomy, mouse pathology, and for mouse imaging.

This PATHBIO mouse master class has gathered together experts in the fields from Europe and abroad. It will be a unique chance to understand the basic principles of several key methods from structural to functional imaging and to get an overview of the best practices including the 3’R rules to design scientific experiments.

Thus all the experts and the organisers of the courses are looking forward to discuss with you and show you how to take advantage of these imaging methods to answer your scientific questions, considering 3’R rules, ethics and animal welfare.

We aim to provide graduate, master's, PhD and postdoc students with basic and expert knowledge to imaging mouse models of human diseases. Registration is open and selection will be done on the basis of “first arrived first served” with a limited number of positions available.

Yann Herval and Jesús Ruberte

LINK TO REGISTRATION

To Register to Strasbourg PATHBIO Mouse Imaging Master Class

<https://docs.google.com/forms/d/e/1FAIpQLSdq4dQ8kCiJUaB37embjN9yzgJO1A2qFWNVzxBTgs9693Fg/viewform>

Program

Please, find below the detailed program

Session	Schedule	who		Title
Monday 4th of November				
Introduction	13:45-14h	Yann HERAULT	PHENOMIN / PA	Introduction to PATHBIO summer course
	14-15h	Jesus RUBERTE	TCP	Integrated morphological mouse phenotyping: synergies between pathology and imaging
	15-16h	Isabelle GONCALVES	PHENOMIN	Good practices in animal research : ethical and regulatory aspects
	16-17h	Abdel Ayadi	PHENOMIN	Mouse colonies management to ensure quality data of your research studies
Dinner for Experts				
Tuesday 5th of November				
X-rays and μ CT imaging	9-10h	Jesus RUBERTE	CBATEG	Bone imaging: from X-Rays, passing through CT, to specialized microscopical imaging
	10-11h	Jan PROCHAZKA	CZH	microCT analysis with a specific focus on teeth
	11-12h	Markus KRAIGER	GMC	Introduction to Magnetic Resonance Imaging
lunch				
X-rays and μ CT imaging	14-15h	Olivia WENDLING	PHENOMIN	Embryo phenotyping Pheno and HREM
	15-16h	Lydia TEBOUL	MLC	Embryo phenotyping X-rays OPT
	16-17h	Hands-on experience / demonstration		CT, HREM, OPT
Free evening				
Wednesday 6th of November				
Echography Heart / other tissue, Opto-acoustic imaging	9-10h	Stéphanie LERONDEL	PHENOMIN	Opto-acoustic imaging for oncology
	10-11h	Ghina BOU ABOUT	PHENOMIN	Micro-ultrasound for preclinical imaging.
	11-12h	Pierre SICARD	UMR INSERM 1136	US and photoacoustic application in embryology and neurovascular diseases.
	12-12:30h	Dieter Fuchs / Philippe Davault	FUIJIFILM-VISU	the next evolution of ultrasound
lunch				
	14:30-16h	Hands-on experience / demonstration		
Social event				
Thursday 7th of November				
Nuclear imaging and MRI	9-10h	Stéphanie LERONDEL	PHENOMIN	Nuclear Imaging Spect-CT/PET and Bioluminescence experience at the PHENOMIN-TAAM.
	10-11h	Laura HARSAN	ICUBE	MRI and all
	11-12h	Ho-Young LEE	Seoul National University	In vivo molecular imaging from pathology to clinic
lunch				
Optical imaging	14-15h	Catherine Leon	EFS	In vivo mechanisms of (pro)platelet formation
	15-16h	Young-Min HYUN	Yonsei University	Real time dynamics of leukocyte migration during inflammation: Lesson from two-photon intravital imaging
	16-17h	Ki Taek NAM	Yonsei University	Gut Sampling Techniques in Mouse Models
Free evening				
Friday 8th of November				
Image analysis	9-10h	Hugues JACOBS	PHENOMIN	Image analysis basics
	10-11h	Bertrand VERNAY	IGBMC	Image analysis IMAGE J
	11-12:30h	Pending	Aviso	Soft for Image analysis for 3D rendering demo+case study
Lunchbox and departure				

Venue > Access

MEETING VENUE: PHENOMIN-ICS/IGBMC, 1 rue Laurent Fries, Parc d'Innovation, 67404 Illkirch - phone: + 33 (0)3 88 65 5657

[Link to the interactive map for further details:](#)

BY PLANE

- **Strasbourg-Entzheim** international airport: train shuttle for Strasbourg main train station every 15 minutes (travel time: 10 min).
- **Baden AirPark**®, Karlsruhe - Baden-Baden: (50 minutes from Strasbourg). Shuttle buses run between Baden or Basel airports and Strasbourg every 2 or 4 hours (alsace-navette.com).
- **Frankfurt** international Airport: There is a bus shuttle from this airport to Strasbourg (travel time: 3 hours).
- **Basel Mulhouse** Euroairport: Bus connection every 20 minutes to Saint Louis Train Station (1hour to Strasbourg)

BY TRAIN

It takes less than 2 hours from Paris to Strasbourg, count 45 minutes from the Strasbourg central train station to the Meeting Venue taking public transportation

To book your tickets and display train itineraries from the French railway company (SNCF) <https://www.oui.sncf/>

BY ROAD

- A35 motorway, exit number 5 "Baggersee-Illkirch Nord"
- At the first traffic lights («Baggersee»), take the direction "Parc d'Innovation" (straight)
- At the first roundabout, take "Parc d'Innovation" (4th exit)
- At the second roundabout, the 2nd exit leads to IGBMC

BY TRAMWAY

Direct connection Meeting venue – City Center: Take Line A, direction "Illkirch-Graffenstaden", "Campus d'Ilkirch" exit.

By foot from the "Campus d'Ilkirch" tram/bus station: Walk towards "Parc d'Innovation" indicated on the street panels. At the second roundabout, the second exit leads to IGBMC (10 min).

Strasbourg Public Transportation Company: CTS www.cts-strasbourg.fr

Strasbourg Major Taxi company: Taxi 13 www.taxi13.fr +33(0)3 88.36.13.13

Venue > Accommodation

Please, find below a non-exhaustive list of recommended hotels close to PHENOMIN-ICS/IGBMC or located in Strasbourg historical city Center (all subject to availability).

Each participant is responsible for booking his/her accommodation just quote **"IGBMC"** in your email to the hotel.

Close to PHENOMIN-ICS / IGBMC

7 HOTEL & FITNESS****

103€ breakfast included (Single room) 123€ breakfast included (Double or twin)

550 boulevard Sébastien Brant

Parc d'Innovation

67400 Illkirch

Tram stop: Campus d'Illkirch (line A)

7 minutes a walk from the meeting venue

Phone: +33 (0)3 88 40 84 84

Website : <http://www.7hotel.fr/en/>

To book : Upload, complete the form and send it by email to reservations@7hotel.fr .

[7hotel&Fitness reservation request form](#)

ADAGIO ILLKIRCH (apartment hotel)**

Selected hotel for IMGS Scholarship students

106 Avenue de Strasbourg

67400 Illkirch

Tramway station: Colonne (line A) Direct to the Meeting venue

15 minutes from the meeting venue (5 minutes Tram and 10 minutes walking)

Phone: +33 (0)3 88 67 72 00

To book: h8406@adagio-city.com

Website : <https://www.adagio-city.com/fr/hotel-8406-aparthotel-adagio-access-strasbourg-illkirch/index.shtml>

IN STRASBOURG HISTORICAL CITY

HOTEL GUTENBERG****

31 rue des Serruriers

67000 Strasbourg

Tram stop: Grand rue (tram line A) Direct to the Meeting venue

40 minutes from the meeting venue (25 minutes tramway 15 minutes a walk)

Phone: +33 (0)3 88 32 17 15

To book : info@hotel-gutenberg.com

Website : <https://www.hotel-gutenberg.com/fr/>

HOTEL DU DRAGON****

Starting 99€ Breakfast included

12 rue du Dragon

67000 Strasbourg
Tram stop: Porte de l'hôpital (tram line A) Direct to the Meeting venue
40 minutes from the meeting venue (25 minutes tramway 15 minutes a walk)
Phone: +33 (0)3 88 35 79 80T
To book : sleep@dragon
Website dragon.fr

HOTEL DIANA DAUPHINE****

Starting 99€ Breakfast included
30 Rue de la 1ère Armée
67000 Strasbourg
Tram Stop Etoile Bourse (Tram Line A) Direct to the Meeting venue
40 minutes from the meeting venue (25 minutes tramway 15 minutes a walk)
Tel : +33 3 88 36 26 61
To book : info@hotel-diana-dauphine.com
Website : <https://www.hotel-diana-dauphine.com/fr/>

HOTEL Holiday Inn Express Strasbourg Centre***

103€ breakfast included
Rue de la Corderie
67100 Strasbourg
Tram Stop Etoile Bourse (Tram line A) Direct to the meeting venue
40 minutes from the meeting venue (25 minutes tramway 15 minutes a walk)
Tel: +33 (0)3 88 10 99 99
www.hiexstrasbourg.com
To Book: Upload, complete the form and send it by email to contact@hiexstrasbourg.com
[Holiday Inn Express Reservation request form](#)

HOTEL SUISSE***

2 & 4 rue de la Râpe
67000 Strasbourg
Tram stop: Grand rue (tram line A) Direct to the Meeting venue
45 minutes from the meeting venue (25 minutes tram 20 minutes a walk)
Phone: +33 (0)3 88 35 22 11
To Book : info@hotel-suisse.com
Website hotel-suisse.com

List of speakers

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		PHENOMIN-ICS	

