



GDR 3545

G Protein-coupled Receptors
From physiology to drugs (RCPG-Physio-Med)

<http://www.gdr3545.com>



3rd Workshop
Toulouse

November 3-4, 2015

ITAV

IPBS



Program

Session 1 – Imaging Technologies and chemical synthesis :

Tuesday november 3, afternoon

Institut des technologies Avancées en sciences du Vivant
1, Place Pierre Potier Oncopole entrée B
31106 Toulouse Cedex 1

Session 2 – Membrane dynamics of GPCR :

Wenesday november 4, morning

Institut de Pharmacologie et de Biologie Structurale
205 route de Narbonne
31077 Toulouse Cedex04



ESTEVE
FOUNDATION



Tuesday november 3

13:30 Welcome to ITAV

14:00 Workshop presentation

Véronique Gigoux

14:10 Presentation of Esteve foundation

Felix Bosch

Session 1 – Imaging Technologies and chemical synthesis

14:20 Presentation Session 1

Childerick Severac

14:30 Atomic Force Microscopy (AFM)

Childerick Severac, ITAV, Centre Pierre Potier, Toulouse

Touching cells at the nanoscale

Céline Galès, I2MC Université de Toulouse

Atomic force microscopy: a nanotechnology tool to explore cell surface topography/elasticity and transmembrane protein organization.

15:10 Selective Plane Illumination Microscopy (SPIM)

Jacques Rouquette, ITAV, Centre Pierre Potier, Toulouse

Des microscopes à feuille de lumière pour accéder à la 3e dimension

15:30 Parallel High-Throughput synthesis

Mathieu Danel, ITAV, Centre Pierre Potier, Toulouse

Plateforme de Chimie Automatisée : Méthodologie & Synthèse de Chimiothèque

Stefan Chassaing, ITAV, Centre Pierre Potier, Toulouse

Chimie 'Click' en zéolithes

16:30 Visit Platform

18:00 End of session 1

20:00 Round table and Dinner

Wednesday november 4

8:45 Welcome to IPBS

Session 2 – Membrane dynamics of GPCR

9:00 NMR of GPCR

Alain Milon, IPBS, Toulouse

NMR approaches for the characterization of GPCR dynamic structural ensembles.

9:30 Single molecule tracking

Laurence Salomé, IPBS, Toulouse

Tracking of individual GPCR to analyze their dynamic organization in the cell membrane

10:10 3 parallel practical sessions (40 min each)

*NMR data acquisition and analysis (**Olivier Saurel**)*

*Single particle tracking (**Fabrice Dumas**)*

*Questions / answers around the morning presentations (**Laurence Salomé and Alain Milon**).*

12:30 Round table and Lunch

13:30 departure for the GDR meeting

How to go to ITAV ?

From airport Blagnac :

Tram 2 : stop "palais de Justice"

Metro B (direction Ramonville) : stop "Empalot"

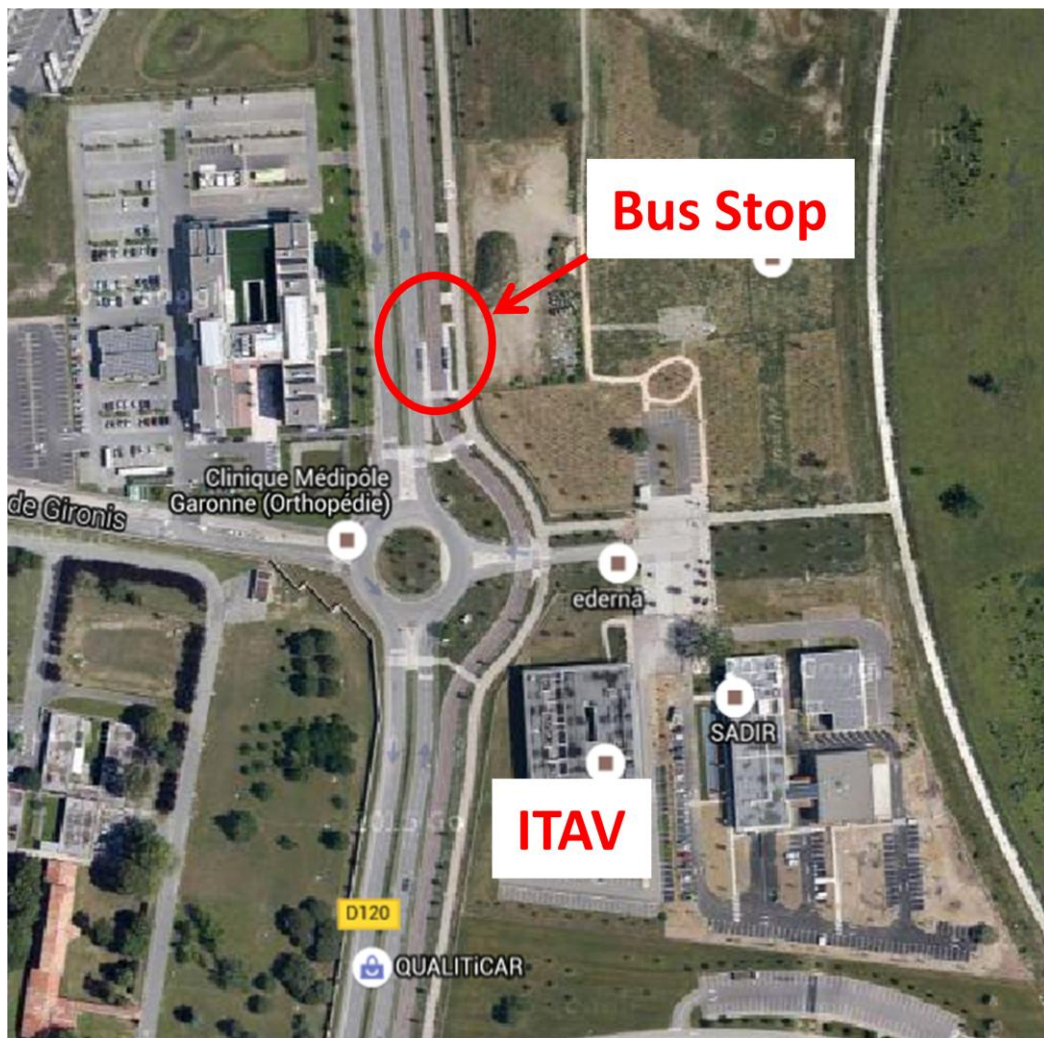
Bus line 11 or 52 : stop "Gironis"

From Railway station Marengo :

Metro A (direction basso cambo) : stop "jean-Jaures"

Metro B (direction Ramonville) : stop "Empalot"

Bus line 11 or 52 : stop "Gironis"



How to go to IPBS ?

From airport Blagnac :

Tram 2 : stop "palais de Justice"

Metro B (direction Ramonville) : stop "Université Paul sabatier"

From Railway station Marengo :

Metro A (direction basso cambo) : stop "jean-Jaures"

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