



**4th Workshop
Tours
November 21-22,
2016**

**INRA Val de Loire
Univ Tours**

Building GPCR signalisation networks.

Example of the FSH receptor

Program

Session 1 – Monday november 21st, afternoon

**Unité Physiologie de la reproduction et des Comportements
INRA UMR85 CNRS UMR7247
37380 Nouzilly**

Session 2 – Tuesday november 22nd, morning

**Université François Rabelais de Tours
Site des Tanneurs
3 Rue des Tanneurs
37041 Tours**



Monday november 21st

13:00 Tours station to PRC INRA Centre Val de Loire

14:00 Welcome to PRC

14:00 Workshop presentation

Lucie Pellissier

14:15 Presentation of Esteve foundation

Felix Bosch

Session 1 – Acquisition and building GPCR networks (3 practicals)

14:30 Practical1: living cell data acquisition

Jorge Gandia, Mohammed Ayoub and Lucie Pellissier

Biased agonism acquisition using BRET (Mithras)

15:30 Practical2: Building FSHR networks

Aurélie Tréfier, Nathalie Langonné and Romain Yvinec

Cell designer, Ingenuity Pathway, cytoscape analyses

16:30 coffee break

16:45 Practical3: Protein affinity

Astrid Musnier and Thomas Boulo

Interferometry

18:00-19:00 End of session 1 and bus to go back to Tours

20:30 Round table and Dinner

Tuesday november 22nd

8:45 Université François Rabelais de Tours _ Site des Tanneurs

Session 2 – Dynamic molecular modelling of GPCR networks

9:00 **Dynamical modeling of reaction networks, example of the FSH signaling**

Romain Yvinec

Cell designer and Copasi

10:15 coffee break

10:30 **Dynamical modeling of reaction networks and biased signaling**

Romain Yvinec

Cell designer and Copasi

12:30 Round table and Lunch

13:30 departure for the GDR meeting

14:00 1st session of the GDR meeting