# New animals models to Understand the brain - 2nd edition

15 mai 2017 - 8h45 - 17h00

INRA Centre Val de Loire

Salle de conférences
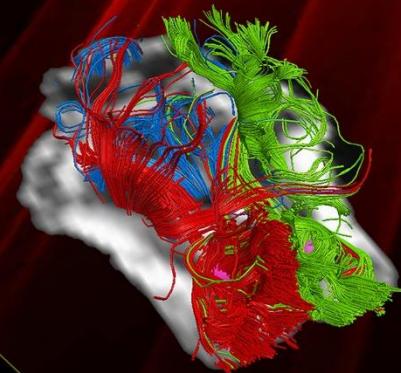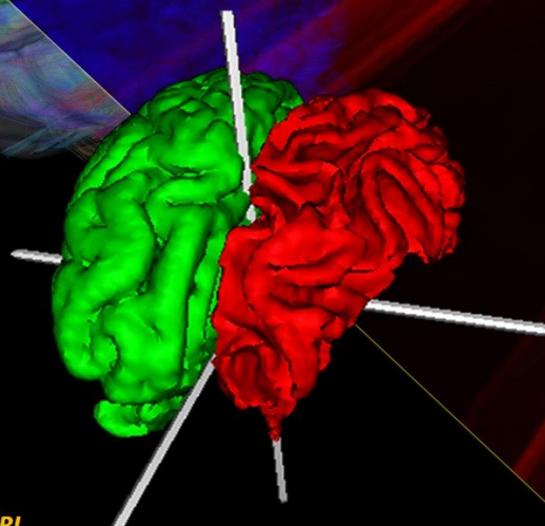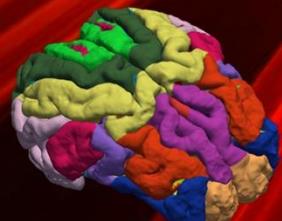
Coffee break
Introduction of the meeting

● *Session 1 – Diffusion MRI*

> **Diffusion MRI;** *Tim Dyrby*
> **Impact of early rearing experience on brain development in sheep infant;** *Elodie Chaillou*
> **Sheep brain connectivity;** *Cyril Poupon*

Coffee break

● *Session 2 – Technical developments*

> **Use of MPIOs as a contrast agent in sheep;** *Lucille Butruille*
> **Adenoassociated virus vector for brain manipulations;** *Dora Zelena*
> **Segmentation of sheep brain images using local probabilistic atlases coupled with topological information;** *Gaëtan Galisot*
> **Virtual slides for big brain: Services and system by** *Excilone; Bertrand Damart*
> **Stereotactic neurosurgery based on 3D imagery** *(m2e, Inomed, Inra, Inserm); Christophe Destrieux*

Lunch

● *Session 3 – Model of neurobiological troubles*

> **Sheep, a model for Batten disease;** *Jenny Morton*
> **Sheep, a model for neurovascular pathology;** *Bjorn Nitzsche*

● *Session 4 – Brain anatomy*

> **The Göttingen minipig telencephalon;** *Carsten Bjarkam*
> **Atlas of the sheep cortex;** *Scott Love*

Conclusions

Registration is free but required

(Deadline: May 3rd, 2017; lunch included)

Limited number of participants (110)

Comité d'organisation

Elodie Chaillou
Martine Migaud
Yves Tillet
Frédéric Andersson

Registration
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