ACTIVITIES

Our working group aims is to help the community discover the extraordinary potential of "transparisation" techniques and to make Clearing less "opaque".

We carry out different actions and pay particular attention on subjects and samples transversality (from methodology up to data management; from tissues-organs up to *in toto* organisms including plants).

To establish tutorials ("Beginner's Kit") and "Expert Mapping" shared online.

To promote, with the participation of recognized specialists in the field, thematic days. To inform and discuss about new developments in this field.

To organize Training sessions on the clearing approaches, the use of microscopes and mounting adapted to the type of samples, 3D images processing.

THE GROUP

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Thanks to: Pierre Affaticati, Orestis Faklaris, Nicolas Goudin, Thomas Guibert (past members)

CONTACT

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http://rtmfm.cnrs.fr

Practical Sheets and Tutorials

http://rtmfm.cnrs.fr/documentation/gt-transparisation/

https://experts.tefor.net/transparisation/
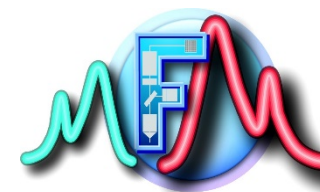
Tutorship

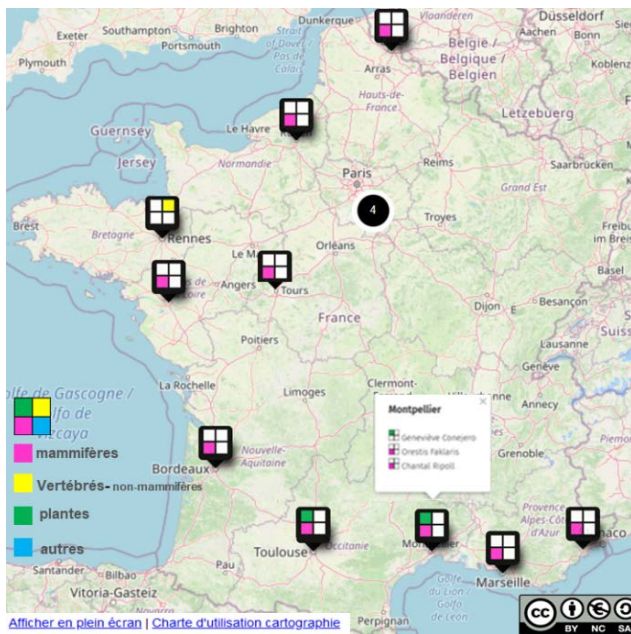**Mission for Transversal and Interdisciplinary Initiatives**

MFM
Microscopie de
Fluorescence
Multidimensionnelle

Groupe de Travail
Transparisation
& imagerie des échantillons épais

To help you make "transparisation" an effective tool

3DISCO

EXPERTS INTERACTIVE MAP

Since June 2019, un interactive map brings together volunteers experts to help anyone in the scientific community who wants to use clearing approaches in their research projects. When you **click** on an **expert** you get a **card** that help you to find the type of: sample, clearing methods, microscope, and image processing. All the experts respect the rules of the licence (Charte). The map is *in progress* since new expert can join to it.

https://experts.tefor.net/transparisation/
http://rtmfm.cnrs.fr/documentation/gt-transparisation/

BEGINNER'S KIT

This guide (Jun 2019)* is a tool to help novices on clearing approaches navigate through the multitude of existing protocols. Written by the group's members and Tefor's collaborators, this guide gathers clearing protocols and gives several tips for their setting up.

*The guide is currently in the process of updating (big challenge)

http://rtmfm.cnrs.fr/documentation/gt-transparisation/

NATIONAL THEMATIC DAYS

From 2017, annual meetings are organized. During these days, clearing specialists are invited for plenary lectures. This allows the public to have a good scientific watch on the latest acquisitions innovations, image processing, data storage etc ...
The group wanted to strengthen the links between the participants adding round tables for half a day to stimulate exchanges between participants.

TRAINING SESSIONS

Educational objectives: to acquire the theoretical basis and practices of different techniques of clearing, microscopes acquisitions, analysis and images management.

MiFoBio School (imabio-cnrs.fr) (2018-21)

ANF (Action Nationale de Formation)

"Transparisation" Techniques, and 3D imaging of cleared organs with confocal, biphoton, light sheet microscopy. Necker Hospital & Cochin Institute Imaging Platforms (2019)

WORKSHOP INSERM 264

Optical Clearing: samples, imaging and analysis November 24-26th 2021 – Lyon / January 12-13th 2022, Paris-Saclay & Montpellier - practical workshops.

All & Upcoming Events http://rtmfm.cnrs.fr/