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## CONTACT US

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PADOVA  
**neuroscience**  
CENTER

# Diffusion & tractography

February 26-28, 2024

**BRAINHACK**

# 26 February Macrostructure

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## 9:00 - 10:00

Introduction to white matter & tractography (M. Thiebaut de Schotten)

Room: TBD

## 10:00 - 11:00

Advanced tractography tools (M. Thiebaut de Schotten)

Room: TBD

## 11:00 - 12:00

Project pitch

(Participants can shortly describe the work they want to achieve during the hands-on. They can bring their dataset and benefit from the input of researchers onsite.)

Room: TBD

## 12:00 - 13:00 Lunch

## 13:00 - 17:00

Hands-on supervised by the speakers

Room: TBD

Participants will work with their own laptops (BYOD!) and with the following software preinstalled:

- matlab
- startrack (<https://www.mr-startrack.com>)
- fsl (<https://fsl.fmrib.ox.ac.uk/fsl/fslwik>)
- trackvis (<https://trackvis.org>)
- optional: bcbtoolkit ([www.bcblab.com](http://www.bcblab.com))
- optional: functionnectome ([www.bcblab.com](http://www.bcblab.com))

Seats are limited. Mandatory registration at <https://forms.gle/ZXxamf46aroNTQGr6>.

# 27 February Microstructure

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## 9:00 - 10:00

Brain microstructure (Marco Palombo)

Room: TBD

## 10:00 - 11:00

Microstructure informed tractography (Alessandro Daducci)

Room: TBD

## 11:00 - 12:00

Long-range impact of brain disconnection (Chris Foulon)

Room: TBD

## 12:00 - 13:00

Projects update (All participants who did a project pitch)

Room: TBD

## 13:00 - 14:00 Lunch

## 14:00 - 18:00

Hands-on supervised by the speakers

Room: TBD

## 18:00 - 20:00 Social

# 28 February Anatomy

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## 9:00 - 10:00

A practical guide to white matter dissections (M. Thiebaut de Schotten)

Room: TBD

## 10:00 - 11:00

Dissections of the language system (Stephanie Forkel)

Room: TBD

## 11:00 - 12:00

Dissections of the attention system (M. Thiebaut de Schotten)

Room: TBD

## 12:00 - 13:00

Concluding remarks

Room: TBD

## 13:00 - 14:00 Lunch

## 14:00 - 15:00

Tripartite disconnection and emergence of symptoms (Valentina Pacella)

Room: TBD

## 15:00 - 17:00

Hands-on supervised by the speakers (optional)

Room: TBD