



ReproducibiliTea

université
de **BORDEAUX**

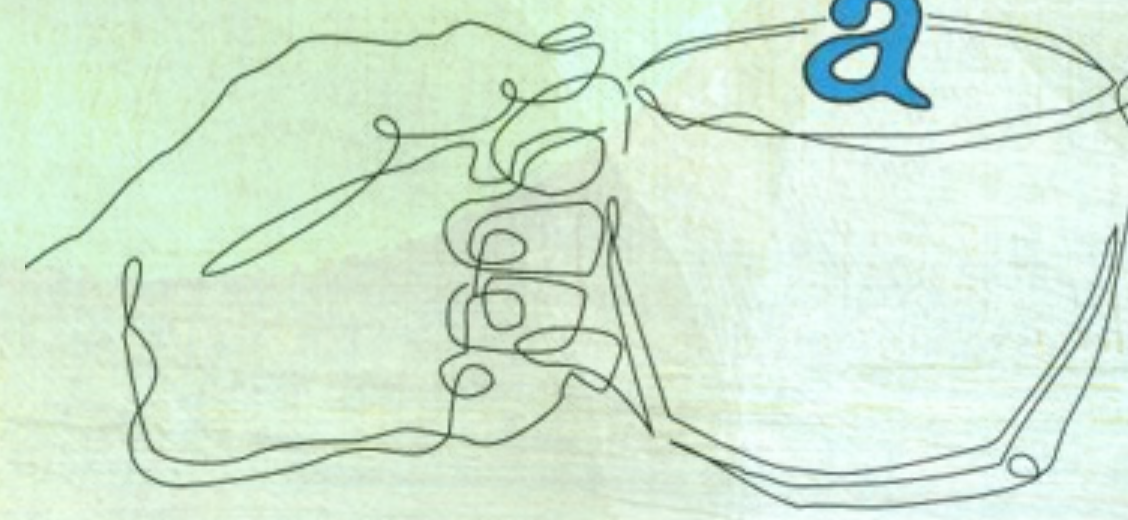
THE JOURNAL CLUB

FOR OPEN SCIENCE.

Next (Virtual) Meeting:
February 23rd at 18h00 (CET)
on Zoom



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Tea



OPEN TO:
**BACHELOR'S
MASTER'S
PHD STUDENTS
& RESEARCHERS ALIKE**

JOIN US FOR DRINKS,
SNACKS & A CONVERSATION
ABOUT THE REPRODUCIBILITY
CRISIS IN SCIENCE

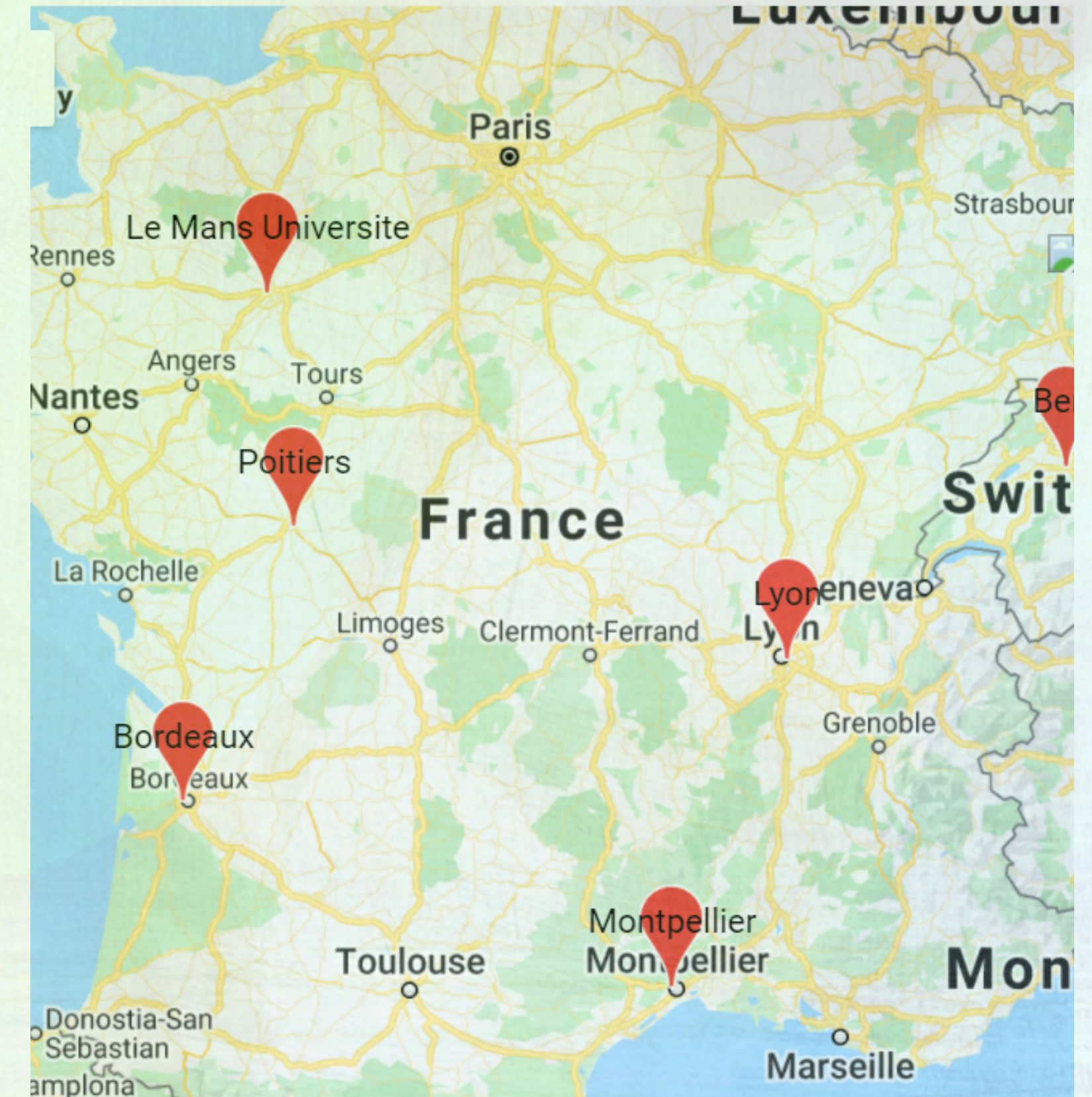


Eduarda Gervini Zampieri Centeno (she/her) ·
PhD student | Bordeaux Neurocampus & Research Assistant |
VUmc



Fjola Hyseni
MD | PhD Candidate in Computational Neuroscience

About the initiative



The checklist: How to open an RTea?



Checklist

➤ <https://reproducibilitea.org/getting-started/>

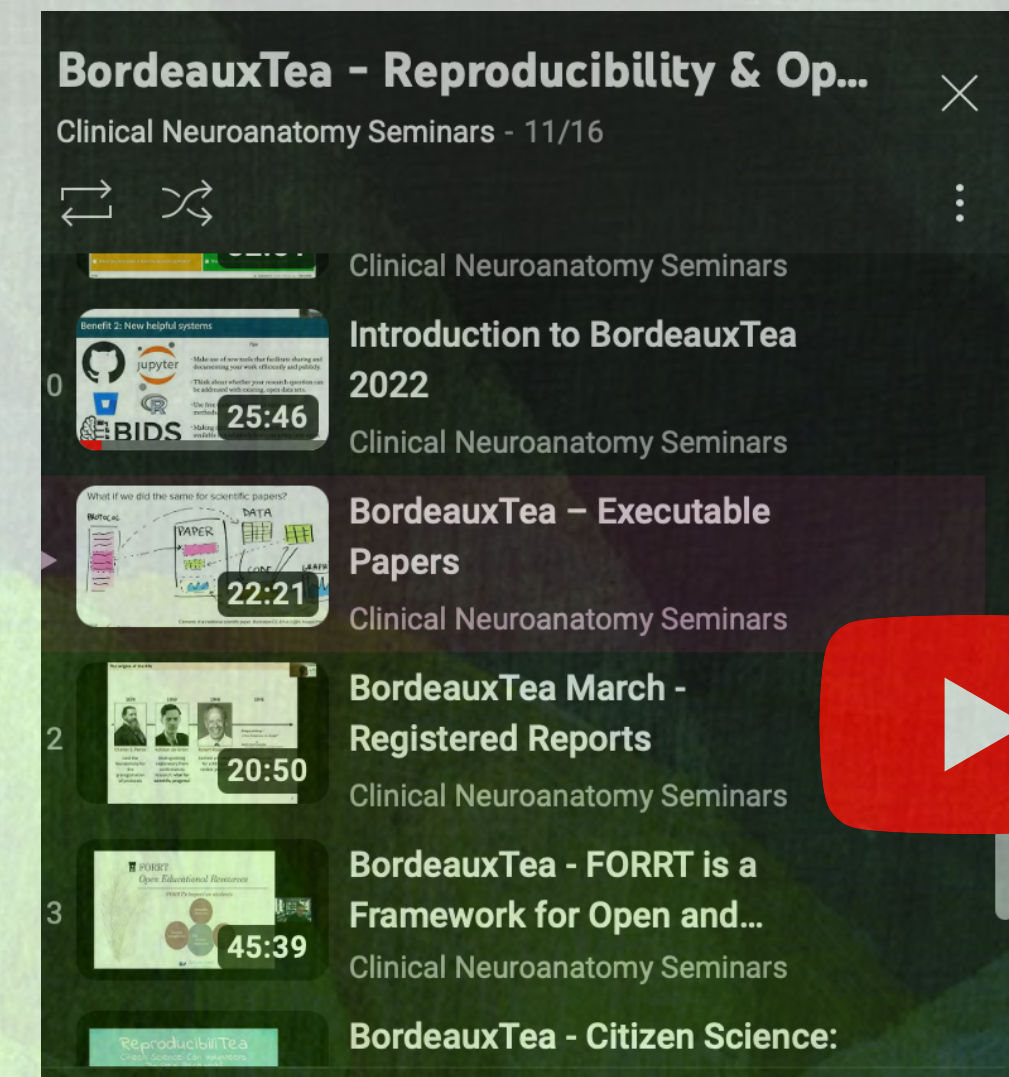
Very easy! 3 steps!

1. Email them saying you want to start your own journal club - they will ask for basic information (who where what)
2. Decide on your format and create your platforms (OSF page, twitter, etc)
3. Gather people and kick off your first session!

The RTea community is very supportive and easy to reach! They provide a lot of materials on how to start a journal club! More at: <https://osf.io/3qrj6/wiki/home/>.

Our experience in Bordeaux

- Started in Feb 2021!
- 1h sessions: article presenting + discussion
- Highlights from our 1st year:
 - CNS collaboration + YouTube
 - Guest speaker from Virginia Commonwealth University (USA - Rtea exchange)
 - Protocols.io staff during discussion
 - Approximately 13 students per session
 - ADUM accreditation!

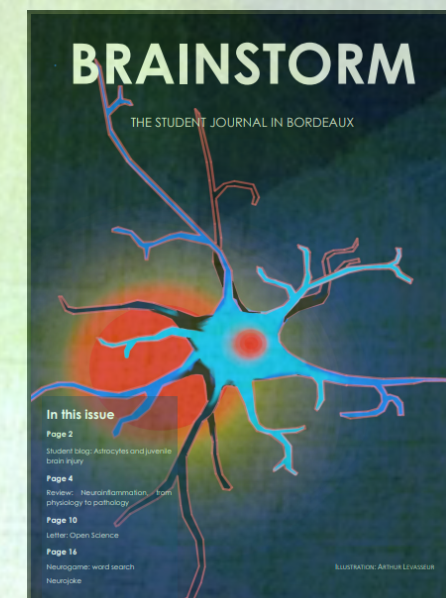


February 2021

Our experience in Bordeaux

Highlights from our 2nd year:

- 10 students (validated 10 hours + certificate)
- Collaboration with FORRT (10 summaries)
- 8 sessions by PhD students + 2 special days with guest speakers from **UNESCO** and FORRT
- Chris Chambers answering questions live on Twitter!
- Brainstorm article



February 2021

January 2022

Topics we touched

- A manifesto for reproducible science
- **Sci-Hub** provides access to nearly all scholarly literature
- Many Analysts, One Data Set: Making Transparent How Variations in Analytic Choices Affect Results
- **Protocols.io**: Virtual Communities for Protocol Development and Discussion
- Science Forum: Addressing selective reporting of experiments through predefined exclusion criteria
- *Re-run, Repeat, Reproduce, Reuse, Replicate*: Transforming Code into Scientific Contributions
- **Git** tutorial
- Neural correlates of interspecies perspective taking in the post-mortem Atlantic Salmon: an argument for *multiple comparisons correction*.
- Open science challenges, benefits and tips in early career and beyond
- *Linked Open Science*-Communicating, Sharing and Evaluating Data, Methods and Results for Executable Papers
- The past, present and future of **Registered Reports**
- FORRT's publications
- *Citizen Science*: Can Volunteers Do Real Research?
- UNESCO's recommendation on Open Science
- **HARKing**: Hypothesizing After the Results are Known
- **Rescience**
- Reproducible *image handling* and analysis
- Improving the Efficiency of **Grant** and **Journal Peer Review**: Registered Reports Funding

February 2021

January 2022

Challenges

- We had more participants with a computational background. (60- 70%, bias)
- Keeping it interesting to everyone (for more specific topics, tools)
- Discussions can get too abstract, drifting away from the practical.
- Lack of clear incentives in the scientific game.

Even though the challenges were there, we learned and gained a lot from this experience and by trying to overcome them.

“I really enjoyed participating in the BordeauxTea course and would definitely recommend it to anyone interested in these topics of Open Science and reproducibility! The monthly presentations covered a variety of OS tools and initiatives, many of which I didn't know about.”

Chloé Mercier (PhD student, Rougier's team)

“I'm really happy to have participated in the 2022 Reproducibilitea session. I really liked discussing topics on how to make science more open and transparent to all. Thank you Fjola and Eduarda for this initiative!”

Yoni Couderc (Beyeler's team)

“Rtea helped me get familiarized with diverse ways to implement open science and reproducibility.”

Mélodie Ambroset (PhD student, Bontempi's team)

“I believe research to be a collaborative process. Over the course of many years of research I observed a gradual and consistent shift towards open reproducible science. Through the reproducibilitea initiative, I learnt how to go beyond merely publishing data analysis code and achieve more reproducible and more scientifically robust research. The only thing that can beat science is better science.”

Ankur Gupta (Postdoc, Wagner's team)

-testimonies from the participants



ReproducibiliTea : Open Science Journal Club

Interview of Eduarda Centeno

Mise en ligne : 23 janvier 2021



ReproducibiliTea in Bordeaux: A successful year and more to come!

Interview of Eduarda Centeno, Fjola Hyseni and Dana Conlisk

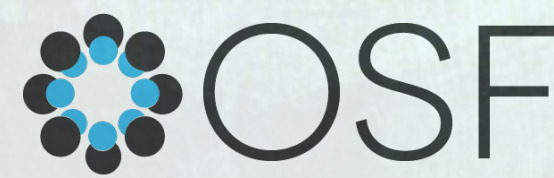
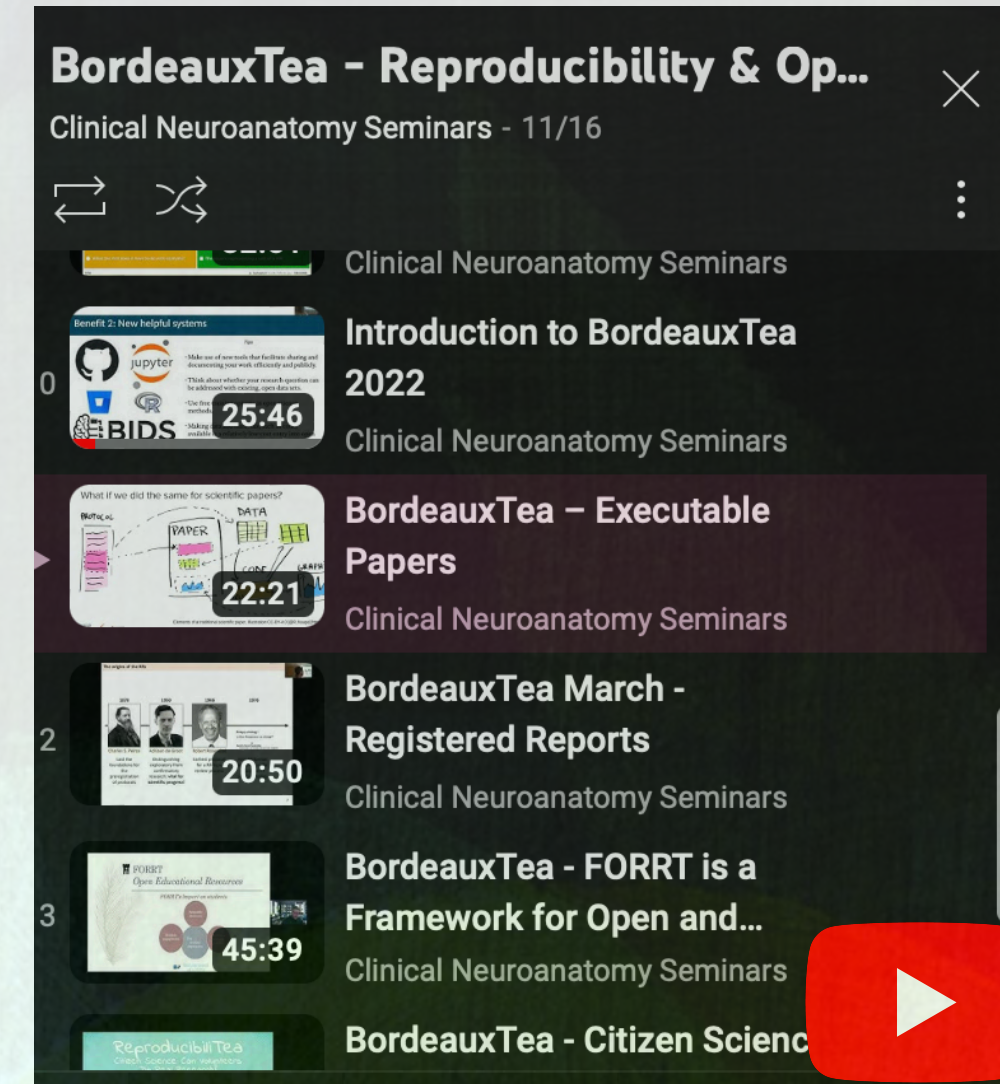
Mise en ligne : 20 janvier 2022



ReproducibiliTea in Bordeaux: another successful year!

By Eduarda Centeno and Fjola Hyseni

Mise en ligne : 20 décembre 2022



BRAINSTORM STUDENT JOURNAL

LETTER

Open Science from the perspective of two Ph.D. students

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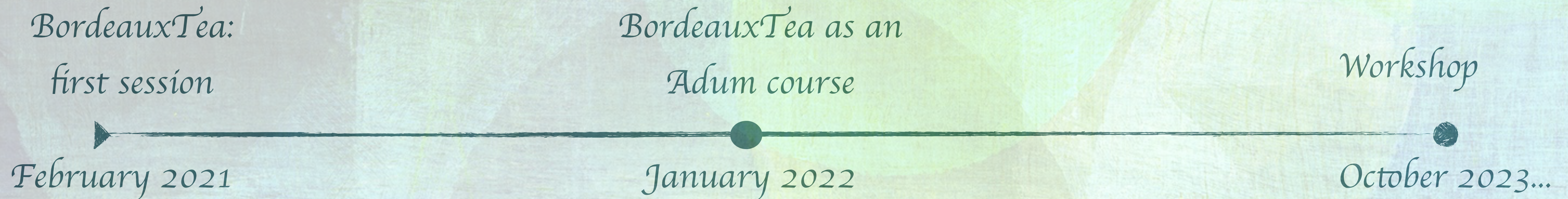


February 2021

January 2022

3rd year of BordeauxTea: What is next?

- Workshop on Open Science: coming soon
- Points for discussion:
 - Is an OS journal club necessary and/or a good way to promote OS?
 - How could this initiative be expanded more in France?
 - How to make it easier and more motivating for the students to create this kind of initiative (i.e funding assistance)?
 - How to reach senior researchers?
 - How to engage more the experimentalists?



Acknowledgements and our thank you note.

- Graduate program of Neuroscience in Bordeaux (Cristina Lemos)
- Communication office (Arnaud Rodriguez)
- All our BordeauxTea participants
- Nicolas P. Rougier
- The organizers for hosting us in this event

Graduate program
Bordeaux / université
Neurocampus de BORDEAUX



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