



# ReproducibiliTea

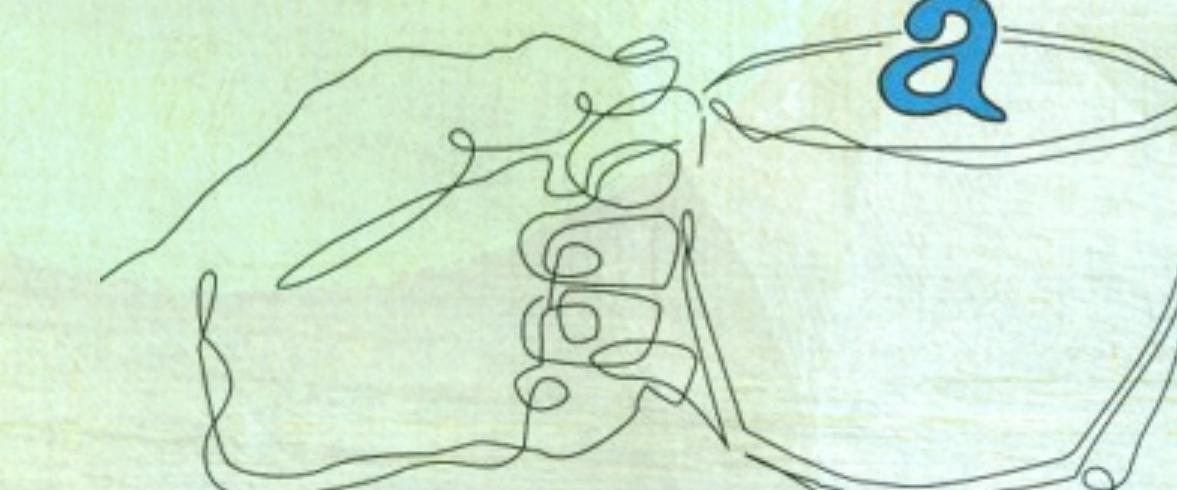
université  
de BORDEAUX

## THE JOURNAL CLUB

FOR OPEN SCIENCE.

Next (Virtual) Meeting:  
February 23<sup>rd</sup> at 18h00 (CET)  
on Zoom

re  
pro  
duci  
bili  
Tea



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

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

Université  
BORDEAUX

Bordeaux  
Neurocampus  
Graduate Program

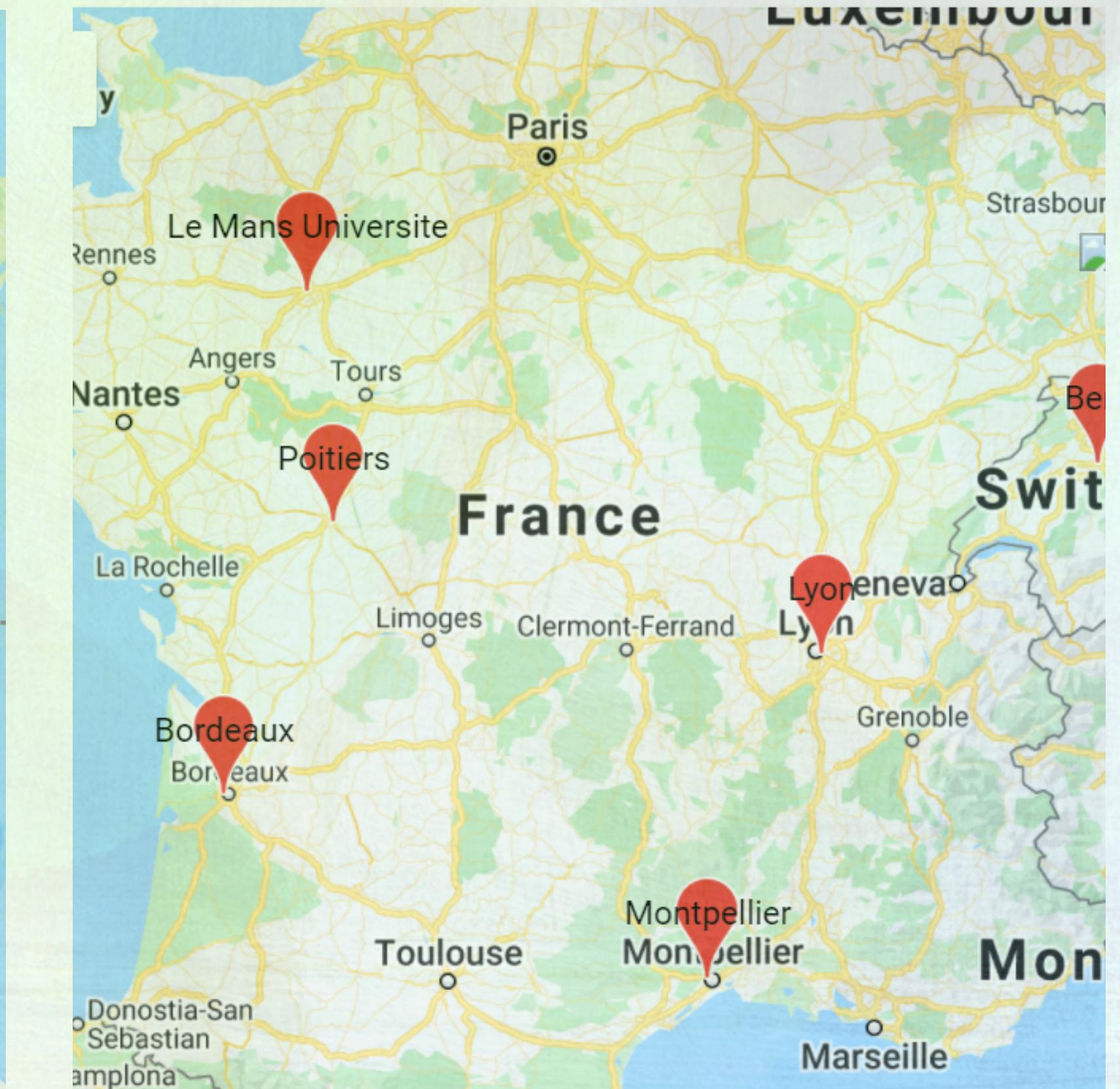


**Eduarda Gervini Zampieri Centeno** (she/her)  
PhD student | Bordeaux Neurocampus & Research Assistant |  
VUmc



**Fjola Hyseni**  
MD | PhD Candidate in Computational Neuroscience

# About the initiative



# *The checklist: How to open an RTea?*

- <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!



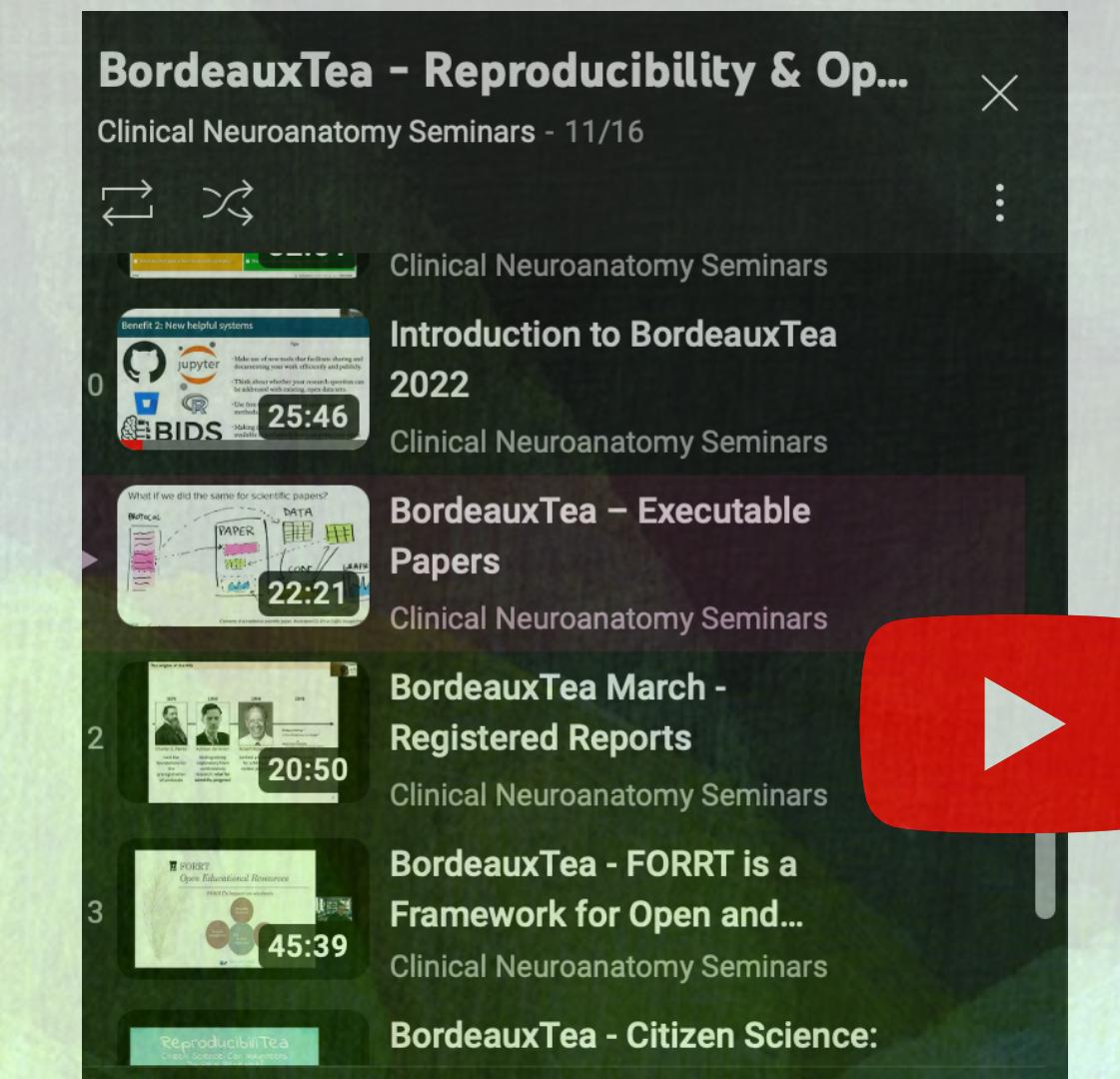
Checklist

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 Common Wealth University (USA - Rtea exchange)
  - Protocols.io staff during discussion
  - Approximately 13 students per session
  - ADUM accreditation!



 **protocols.io**

 **ADUM**

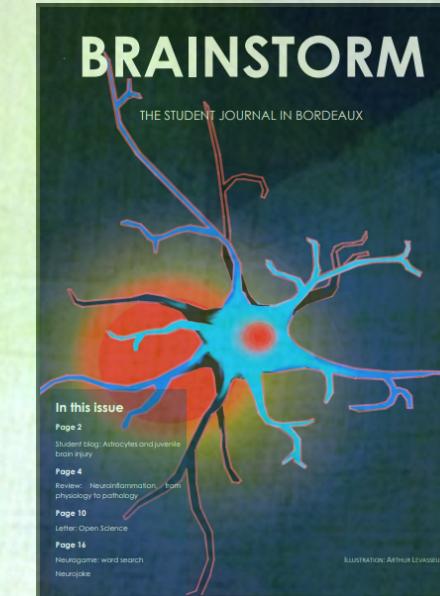
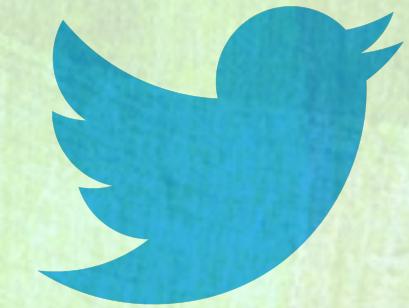
# *Our experience in Bordeaux*

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



**unesco**



# 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

Eduarda Centeno \* ‡ and Fjola Hyseni \* †

\* Univ. Bordeaux, CNRS, IMN, UMR 5293, F-33000 Bordeaux, France

† Univ. Bordeaux, CNRS, Bordeaux INP, LaBRI, UMR 5800, F-33400 Talence, France

‡ Amsterdam UMC location Vrije Univ. Amsterdam, Anatomy and Neurosciences, De Boelelaan 1117, Amsterdam, the Netherlands

Email: egervinizamp@u-bordeaux.fr and fjola.hyseni@u-bordeaux.fr

SCIENCES  
GENETIQUE • ASTROPHYSIQUE  
ANTHROPOLOGIE • PSYCHOLOGIE • PHYSIQUE  
HISTOIRE • BIOLOGIE • SOCIOLOGIE • PHYSIQUE  
MEDECINE • NEUROSCIENCES • INFORMATIQUE  
• HISTOIRE • DROIT • ECONOMIE • CHIMIE  
RECHERCHE-PRODUCTIBLE.FR • PHYSIologie  
HEMATIQUES • MECANIQUE • GENETIQUE  
ECONOMIE • PHILOSOPHIE • ANTHROPOLOGIE  
PSYCHOLOGIE • ECOLOGIE • DROIT • CHIMIE  
LOGIE • SOCIOLOGIE • ASTROPHYSIQUE  
ECINE • NEUROSCIENCES • INFORMATIQUE  
IDEMIOLOGIE • HISTOIRE • ECONOMIE • INFORMATIQUES  
MATIQUES • MECANIQUE • GENETIQUE

**INSTITUT PASTEUR**  
**8 & 9 MARS 2023**  
ENCE • RECHERCHE • ROBUSTE • REPLICABLE  
ALISABLE • EXPERIENCE • CODE • OBSERVATION  
STATISTIQUES • RESULTAT • METHODE • ETAT  
ES • NUMERIQUE • RESULTAT • METHODE • ETAT  
• SCIENCE • ECHANTILLON • ROBUSTE  
CABLE • GENERALISABLE • DES • EXPERIMENTAL  
• OBSERVATION • STATISTIQUES • ANALYSE  
• EXPERIENCE • LIEUX • RESULTAT • ROBUSTE  
RECHERCHE • SCIENCE • REPLICABLE • ROBUSTE  
GENERALISABLE • EXPERIMENTAL

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?

*BordeauxTea:  
first session*

*February 2021*

*BordeauxTea as an  
Adum course*

*January 2022*

*Workshop*

*October 2023...*

# *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  
Neurocampus / université  
de BORDEAUX



université  
de BORDEAUX