

Marion Boucrot

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Date of birth : March 5th, 1999 (25 years old)

Education

Bachelor of Mathematics <i>Sorbonne Université, Paris</i>	January 2017 - June 2019
Master 1 of Mathematics <i>Sorbonne Université, Paris</i>	September 2019 - June 2020
Master 2 of Mathematics <i>Université Grenoble Alpes, Gières</i>	September 2020 - June 2021
Ph.D <i>Institut Fourier, Gières</i> “Duality and pre-Calabi-Yau algebras” advisors : Estanislao Herscovich and Hossein Abbaspour	October 2021-

Research activities

Invited talks

Talks at workshop <i>Institut Fourier, Gières</i> On pre-Calabi-Yau categories	January - May 2022
Talk at online seminar <i>Online seminar New Directions in Group Theory and Triangulated Categories</i> Video of the talk	May 2 2023
Talk at seminar <i>Laboratoire de mathématiques Jean Leray, Nantes</i> Page of the seminar	June 22 2023
Talk at seminar <i>Institut Montpellierain Alexander Grothendieck, Montpellier</i> Page of the seminar	September 14 2023
Talk at seminar “Representation theory and beyond” <i>Technischen Universität Kaiserslautern-Landau, Kaiserslautern</i> Page of the seminar	February 29 2024
Talk at seminar <i>Institut Fourier, Gières</i> Page of the seminar	March 4 2024
Talk at workshop “Algebra” network <i>CIRM, Marseille</i> Page of the Workshop	March 15 2024

Participation in conferences/summer schools/workshops

Workshop <i>Institut Fourier, Gières</i>	January - June 2021
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On Fukaya categories

Journées d'études du GDR TLAG

Institut Fourier, Gières

May 19-20 2022

Conference

Universität Bielefeld, Paderborn

Representation theory and triangulated categories

September 26-30 2022

Conference

Karlovasi, Samos

Homological algebra and Representation theory

July 10-15 2023

Summer school

Sophus Lie Center, Nordfjordeid

Higher structures in algebra and geometry

August 13-18 2023

Workshop

Institut Fourier, Gières

Pre-Calabi-Yau Day

November 3 2023

Academic visits

Luxembourg University

With Estanislao Herscovich and David Fernández

May 9-13 2022

Université de Nantes

With Hossein Abbaspour

June 7-21 2022

List of Preprints

Marion Boucrot. Homotopy Transfer Theorem and minimal models for pre-Calabi-Yau categories. arXiv :2306.10610 [math.AT], 24 pages, 2023.

Marion Boucrot. Morphisms of pre-Calabi-Yau categories and morphisms of cyclic A_∞ -categories. arXiv :2304.13661 [math.KT], 46 pages, 2023.

Teaching

Fondamental tools for mathematics

Bachelor of biology, 1st year

September - December 2021

Bilinear algebra

Bachelor of mathematics, 2nd year

January - May 2022

Fondamental tools for mathematics

Bachelor of biology, 1st year

September - December 2022

Linear algebra

Bachelor of mathematics, 1st year

January - May 2023

Mathematical language, elementary algebra and geometry

Bachelor of mathematics, 1st year

September - December 2023

Linear algebra

Bachelor of mathematics, 1st year

January - May 2024

Others

I am one of the two representatives of doctoral students on the UMR council at Institut Fourier (council of the research unity).

Posters : I made a poster for the Workshop "Pre-Calabi-Yau Day", available [here](#).

Outreach :

- Participation to the "Filles et maths" day (2023 & 2024) : A day to speak about maths and maths studies with girls in highschool
- Participation to a day dedicated to speak with middle school students about maths

Languages : French (native), English (advanced), German (intermediate)

Informatic tools : \LaTeX , Python