

# Lison Blondeau-Patissier

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📍 TPR2, Campus de Luminy, Marseille

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## Education

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- 2021 – present
- **PhD student** at Aix-Marseille Université, in Mathematics.  
Subject: *Game Semantics and Taylor Expansions*.  
Supervisors: Pierre Clairambault (LCS, LIS), Lionel Vaux Auclair (LDP, I2M).
- 2016–2021
- **École Normale Supérieure de Lyon**.  
2020 – Master degree in Computer Science (ENSL).  
2017 – Bachelor degree in Computer Science (ENSL).  
2017 – Bachelor degree in Mathematics (UCBL).

## Publications

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- 1 L. Blondeau-Patissier, “Resource Categories from Differential Categories,” in *JFLA 2024 – 35es Journées Francophones des Langages Applicatifs*, Saint-Jacut-de-la-Mer, France, Jan. 2024.  
🔗 URL: <https://inria.hal.science/hal-04406440>.
- 2 L. Blondeau-Patissier, P. Clairambault, and L. Vaux Auclair, “Strategies as Resource Terms, and Their Categorical Semantics,” in *8th International Conference on Formal Structures for Computation and Deduction (FSCD 2023)*, M. Gaboardi and F. van Raamsdonk, Eds., ser. Leibniz International Proceedings in Informatics (LIPIcs), vol. 260, Dagstuhl, Germany: Schloss Dagstuhl – Leibniz-Zentrum für Informatik, 2023, 13:1–13:22, ISBN: 978-3-95977-277-8.  
🔗 DOI: 10.4230/LIPIcs.FSCD.2023.13.
- 3 L. Blondeau-Patissier and P. Clairambault, “Positional Injectivity for Innocent Strategies,” in *6th International Conference on Formal Structures for Computation and Deduction (FSCD 2021)*, N. Kobayashi, Ed., ser. Leibniz International Proceedings in Informatics (LIPIcs), vol. 195, Dagstuhl, Germany: Schloss Dagstuhl – Leibniz-Zentrum für Informatik, 2021, 17:1–17:22, ISBN: 978-3-95977-191-7. 🔗 DOI: 10.4230/LIPIcs.FSCD.2021.17.

## Talks

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“Resource categories from differential categories”.

feb 2024 • *JFLA 2024*, Saint-Jacut-de-la-Mer.

“Taylor Expansion is Game Semantics”.

jan 2024 • *GALOP 2024*, London.

## Talks (continued)

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### *“Strategies as Resource Terms, and Their Categorical Semantics”*

- oct 2023 • *LIMD seminar*, Chambéry.
- sept 2023 • *Chocola seminar*, Lyon.
  - *LoVE seminar*, Paris Nord.
- july 2023 • *FSCD 2023*, Roma.
- june 2023 • *LdP seminar*, Marseille.

### *“Introduction à la sémantique des jeux”*

- oct 2021 • *Séminaire des doctorant·es de l’I2M*, Marseille.

### *“Positional Injectivity for Innocent Strategies”*

- nov 2021 • *Journées du GT Scalp 2021*, Fontainebleau.
- sept 2021 • *LDP seminar*, Marseille.
- june 2021 • *FSCD 2021* (online).
- may 2021 • *Plume GdT*, Lyon (online).
- dec 2020 • *Concurrent Games Café*, Lyon (online).

## Teaching and Vulgarisation

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### Teaching

- 2023–2024 • *Finite Automata*, tutorials and practice sessions, L2 (Bachelor 2nd year). Aix-Marseille Université.
  - *Complexity*, tutorials and practice sessions, M1 (Master 1st year). Aix-Marseille Université.
- 2022–2023 • *Introduction to Computer Science*, tutorials and practice sessions, L1. Aix-Marseille Université.
- 2021–2022 • *Introductory Course to Analysis*, lectures and tutorials, L1 “PEIP”. Polytech Marseille.

### Supervising

- 2021–2023 • *Hippocampe* courses tutor, IREM, AMU, Marseille.  
<https://hippocampe.irem.univ-mrs.fr>.
- aug 2019 • *Girls Can Code* tutor, Prologin, ENSL, Lyon.  
<https://gcc.prologin.org>.
- 2018–2019 • *Private course*, Lyon.  
Highschool level (mathematics, physics, biology, french, history, geography).
- dec 2017 • *Rendez-vous des Jeunes Mathématiciennes*, ENSL, Lyon.  
<https://filles-et-maths.fr/2017/12/10/rjm-2017-lyon>.

## Teaching and Vulgarisation (continued)

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### Others

- april 2022 • “Speed-meetings” of the *Journées Filles, Maths et Info* organized by Animaths, femmes et mathématiques, AMU, Marseille.  
<https://filles-et-maths.fr>
- feb 2020 • “Speed-meetings” of the *Rendez-vous des Jeunes Mathématiciennes* organized by Animaths, femmes et mathématiques, ENSL, Lyon.  
<https://filles-et-maths.fr/2020/04/06/rjm-20200222-lyon>.

## Internship and Projects

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### Internships

- jan–june 2021 • *Taylor Expansions and Game Semantics*.  
Team LDP, I2M, Marseille.  
Supervised by Lionel Vaux Auclair and Pierre Clairambault.
- sept–dec 2020 • *Positional Injectivity for Innocent Strategies in Concurrent Games*.  
Team Plume, LIP, Lyon.  
Supervised by Pierre Clairambault.
- jan–june 2020 • *Positional Injectivity for Innocent Strategies*.  
Team Plume, LIP, Lyon.  
Supervised by Pierre Clairambault.
- may–july 2018 • *A Calculus for Higher-Order Cryptography*.  
Università di Bologna.  
Supervised by Ugo dal Lago.
- june–july 2017 • *Connectome, biomarkers and graph theory*.  
Team BrAIn, IMT-Atlantique, Brest.  
Supervised by Nicolas Farrugia.

### Projects

- 2017–2018 • *CartomENSia*, Master 1 Programmation Project.  
<https://graal.ens-lyon.fr/cartomensia>.

## Miscellaneous

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- Languages • French (native speaker); English (CAE Level C1); Spanish (B2).