

# Corentin Cadiou

Assistant professor  
*Chargé de recherche*

J 16/09/1992

H Male

☑ French

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## Science interests

galaxy formation  
cosmic web  
numerical simulations  
cosmology

## Languages

French (native)

English (C2)

German (B2)

Spanish & Swedish (A1)

## Numerics

### HPC

MPI OpenMP



Kokkos

### Programming








Fortran C++

Python

## Research experience











- 2025–now **Chargé de recherche (Assistant Professor)** IAP, France 
- Permanent, 100%-research position. Recruited on a interdisciplinary project to develop high-performance computing and data science in astronomy.
- 2022–25 **Post-doctoral research** Lund, Sweden 
- Working on the group of Prof. Agertz on the role of angular momentum in the formation of galactic disks. Start: 01/10/2022, end: 31/01/2025
- 2019–22 **Post-doctoral research** UCL, London, UK 
- With Profs. Pontzen and Peiris, on ERC grant.
- 2016–19 **Post-graduate research** IAP, Paris, France 
- Supervisors: C. Pichon and Y. Dubois.

## Education

- 2019 **PhD in Astrophysics** Sorbonne & IAP, Paris  
- “The impact of the large-scale structures of the Universe on dark matter halo and galaxy formation”. Refereed by S. White and A. Dekel.
- 2016 **Master's degree (Master 2) in Astronomy and Astrophysics** Univ. Paris Diderot, Paris Observatory, Paris, France  
- 2015 Diploma of the École Normale Supérieure (ENS) ENS, Paris 
- Major in physics, minor in Computer Sciences
- 2013 Bachelor's degree, Physics Univ. Paris Diderot & ENS, Paris  

## Time allocations

Over my career, I have been **PI or co-I of projects securing 400 MCPU hr** (4,000,000€, assuming a price of 0.01€/CPU hr). My developments also enabled additional projects for a total of more than 100 MCPU hr.

- 2024–now **(co-I) Harkonnens simulations**   
- 250 MCPU hr** (EuroHPC) + **60 MCPU hr** (Spanish national call). Suite of high-resolution simulations to support ESA's ARRAKHS mission to investigate the nature of dark matter.
- 2024 **(PI) The role of mergers in shaping Milky-Way galaxies** 
- 6 MCPU hr allocation** (Swedish national call). Suite of high-resolution simulations focused on the role played by mergers in the formation of our galaxy.
- 2024 **(PI) How the cosmological environment drives galaxy properties** 
- 3.6 MCPU hr allocation** (local call). Suite of simulations to unravel the role played by the cosmological environment in setting the properties of galaxies.
- 2023–25 **(co-I) MEGATRON project** 
- Large 50 MCPU hr allocation** (UK national call), 15th DiRAC call (PI: H. Katz). Extreme-resolution cosmological simulation focused on circum-galactic physics.
- 2021–22 **(PI) Angular momentum project** 
- 9.7 MCPU hr allocation** (UK national call), 13th DiRAC call. Demonstration of the feasibility of controlling the angular momentum of galaxies in a cosmological volume.
- 2021–24 **EDGE Project** (‘code builder’ status) 
- Automatically co-author of all publications that use my contributed code. 40 MCPU hr obtained (UK national call, PI: J. Read). Suite state-of-the-art simulations of dwarf galaxies.
- 2020–21 **Obelisk simulation** 
- Radiation-hydrodynamical cosmological simulation following the assembly of a proto-cluster. 50 MCPU hr obtained (Europe wide call, PI: M. Trebitsch).
- 2018–20 **CINES computational time allocation** 
- Co-I of a 2 MCPU hr subproject, 25 MCPU hr obtained (France national call, PI: M. Volonteri). Investigation on the role of cosmological accretion on angular momentum accretion.

## Awards and recognitions

2024-26	<b>eSSENCE grant (1 100 000 kr <math>\approx</math> 95 000 €)</b> Research grant for the project: “Galaxy formation in the exascale era”.	Lund University, Sweden
2024-26	<b>Fysiografen grant (110 000 kr <math>\approx</math> 9 500 €)</b> Research grant for the project: “The formation of disk, from cosmic dawn to cosmic noon”.	Lund University, Sweden
2023-25	<b>Fysiografen grant (140 000 kr <math>\approx</math> 2 000 €)</b> Research grant for the project: “The role of environment in driving galaxy spin”.	Lund University, Sweden
2018	<b>NumFOCUS New Contributor Award</b> In recognition of my contributions to the Yt project, the most widely-used Python package for analysing simulations.	
2016–19	<b>ILP fellowship (5000 € per annum)</b>	
2012–19	<b>ENS scholarship &amp; ENS doctoral fellowship, prestigious full stipends awarded nationwide to 20 fellows.</b>	

## Responsibilities

### — International collaborations & code development for open-science

2023–now	<b>ARRAKIHS mission</b> European Space Agency (ESA) space mission to shed light on the nature of dark matter, to be launched in 2030. Co-I of the Simulation Work Package to interpret the data.	
2023–now	<b>‘Agora’ collaboration</b> Code comparison project aimed at finding which galaxy properties are robust predictions from the different models.	
2022–now	<b>‘Ginea’ collaboration</b> Collaboration to develop the next-generation cosmological simulation code (DYABLO, to supersede RAMSES). Personal contributions include key insight into input/output formats and coupling with post-processing tools.	France
2019–24	Member of ERC GMGalaxies (2019–2022, PI: Pontzen).	
2016–24	Member of ANR Spine (2016–2017, PI: Pichon) and SEGAL (2019–2024, PI: Pichon).	
2017–now	<b>Yt team member</b> , in charge of support of the RAMSES code. Yt is now the most widely used library to analyse astrophysical simulations. Personal contributions include support for the RAMSES code, significant I/O performance improvements ( $\times 100$ faster for RAMSES), community support.	

### — Community service

2025–now	<b>IAP Seminars</b> In charge of the organization of IAP’s seminars (weekly).	
2022–now	<b>Member of the EAS Advisory Committee on Sustainability</b> The European Astronomical Society (EAS) Sustainability Advisory Committee aims to investigate, communicate, and make recommendations to the Council on sustainability matters related to astronomy and astrophysics.	
2020–now	<b>Reviewer for Astronomy and Astrophysics, Monthly Notices of the Royal Astronomical Society, Scipy’s conference proceedings</b>	
2016–21	Organizer of IAP pre-seminar and the ‘Extragalactic Journal Club’	IAP, Paris, France & UCL, London, UK

### — Teaching and supervision

2025–now	<b>PhD student supervisions</b> Supervision of 1 PhD student: The work of the students in bold led to a submitted paper: S. Errachi (IAP, Master 2, 25–26);	
2020–now	<b>Master’s student supervisions</b>	

Supervision of 9 Master's students. The work of the students in bold led to a submitted paper:

- Y. Su (Master Calcul Haute Performance et Simulation, Université Saint-Quentin, Master 2 in HPC, 25–26);
- S. Errachi (Master Noyau Particule et Astroparticules, Univ. Paris Cité, 25–26);
- E. Larsson (Lund, Master 2, 24–25);
- Z. Khurij (Lund, Master 2, 24–25);
- **A. Storck** (Lund, Master 2, 23–24);
- A.-M. Söderman (Lund, Master, 23–24);
- **Z. Kocjan** (UCL, MSc, 21–23);
- J. Warbrick (UCL, MSci, 20–21);
- **E. Pharabod** (Polytechnique, France, Master 2, 20–21).

2016–19 **Teaching Assistant**

Sorbonne Université, Paris, France

Courses included: concept and methods of Physics at B.Sc. level (192 hours). Graded all written work, oral and final written exams and assisted with labs.

## Outreach activities

2019–now **Outreach presentations in high-schools, museums, for the general public, for open house days.**

2020–22 **Host and co-founder of the “Astronomy on Tap” London satellite**

Fortnightly general public online presentations ([online](#) due to the pandemic, more than 4,600 views). Awarded £1,000 by UCL Astronomy department to carry our activities.

2020 Scientific expertise to translate the general public book ‘A History of the Universe in 100 stars’.

2019 **Speaker at the “Pint of Science” festival**

Paris, France

2017–19 **Journée de la Science (Open House days)**

Sorbonne Université, France

Presented activities of the IAP, set up and performed hand-based experiments.

## Visiting programs, schools and conferences

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So far, I have given **10 invited talks at conferences and seminars**, listed below. Poster presentations are highlighted as “X”.

### — Invited talks

- |         |  |  |
|---------|--|--|
| 03/2023 | ★ Connecting Galaxies to Cosmology visiting Program  | KITP, Santa Barbara, USA                                     |
| 10/2022 | ★ 10th Workshop on Cosmology and Structure Formation | KIAS, Seoul, South Korea                                     |
| 03/2022 | ★ Cosmic Cartography                                 | <i>online</i> , Kavli IPMU, Kashiwa, Japan                   |
| 01/2021 | ★ LCDM: Dark Matter In Cosmology                     | <i>online</i> , Monthly meeting of London-based cosmologists |
| 11/2019 | ★ Yonsei-IAP Workshop                                | <i>online</i>  |
| 03/2019 | ★ Yt workshop  | University of Illinois, Urbana, USA                          |

### — Invited seminars

- |         |   |                               |
|---------|---|-------------------------------|
| 04/2023 | ★ Kavli Institute for Theoretical Physics blackboard talk   | KITP, Santa Barbara, USA      |
|         | Prestigious talks intended to explain the science of one program to the other KITP program participants, locals, and scientists outside of a specialized field. |                               |
| 02/2022 | ★ Berkeley Cosmology Seminar  | <i>online</i> , Berkeley, USA |
| 11/2021 | ★ Oxford Cosmology Seminar  | Oxford, UK                    |

### — Contributed talks

- |         |  |  |
|---------|--|--|
| 03/2024 | Building Galaxies from Scratch                       | University of Vienna, Austria                        |
| 01/2024 | X D-LOCKS Meeting                                    | Technical University of Denmark, Copenhagen, Denmark |
| 12/2023 | New Simulations for New Problems in Galaxy Formation | Institut d’Astrophysique de Paris, France            |
| 08/2023 | Santa Cruz Galaxy Workshop                           | University of California Santa Cruz, USA             |
| 07/2022 | X National Astronomy Meeting (NAM)                   | Warwick, UK  |
| 06/2022 | X EAS Meeting  | Valencia, Spain                                      |

06/2022	Journées du PNCG (cosmology & galaxies)	Observatoire Astronomique de Strasbourg, France
09/2021	RAMSES User Meeting	online, Strasbourg Observatory, France
07/2021	Scipy 21: data analysis and code development in Python (900 participants)	online
12/2020	RHyTHM: ResearchH using Yt Highlights Meeting.	online
11/2020	KIAS Cosmology Workshop.	online
10/2019	KIAS Internal Workshop	KIAS, Seoul, South Korea
09/2018	West Coast Swings workshop	ICRAR, Perth, Australia
05/2018	SPIN(E) ANR Meeting	ROE, Edinburgh, UK
09/2017	SPIN(E) ANR Meeting	Agay, France
09/2017	RAMSES User Meeting	Nice Observatory, Nice, France
09/2016	RAMSES User Meeting	CRAL, Lyon, France
— <b>Contributed seminars and journal clubs</b>		
12/2021	‘FLAT’ talk	Durham, UK
11/2021	Cosmology Journal Club	IAP, Paris, France
11/2021	Astrophysics Journal Club	Racah Institute of Physics, Jerusalem, Israel
10/2021	Galaxy Coffee	MPIA, Heidelberg, Germany
09/2021	Cambridge Cosmology Seminar	online, Institute of Astronomy, Cambridge, UK
12/2018	Journal club & visiting program	Astrophysics Department, Oxford, UK
04/2018	CRAL journal club	CRAL, Lyon, France
10/2017	KIAS journal club	KIAS, Seoul, South Korea
04/2017	CITA Journal Club	CITA, Toronto, Canada

## Publication list

I have submitted **21** articles as lead or co-lead author (**20** already published in MNRAS and A&A). I also contributed to **26** other articles. My papers have been cited **948** times (*h*-index of 16 as of 19<sup>th</sup> November 2025), [source: NASA/ADS](#).

### — Submitted articles

1. “**MEGATRON: The environments of Population III stars at Cosmic Dawn and their connection to present day galaxies**”, Storck, Katz, Devriendt, Slyz, **Cadiou**, Choustikov, Rey, Saxena, Agertz & Kimm, *submitted, arXiv:2510.06853*, (2025).
2. “**MEGATRON: Disentangling Physical Processes and Observational Bias in the Multi-Phase ISM of High-Redshift Galaxies**”, Choustikov, Katz, Cameron, Saxena, Devriendt, Slyz, Rey, **Cadiou**, Blaizot, Kimm, Laseter, Matsumoto & Rosdahl, *submitted, arXiv:2510.06347*, (2025).
3. “**MEGATRON: the impact of non-equilibrium effects and local radiation fields on the circumgalactic medium at cosmic noon**”, **Cadiou**, Katz, Rey, Agertz, Blaizot, Cameron, Choustikov, Devriendt, Hauk, Jones, Kimm, Laseter, Martin-Alvarez, Matsumoto, Nyhagen, Pearce, Rodríguez Montero, Rosdahl, Rufo Pastor, Sanati, Saxena, Slyz, Stiskalek, Storck & Yee, *submitted, arXiv:2510.05667*, (2025).
4. “**MEGATRON: how the first stars create an iron metallicity plateau in the smallest dwarf galaxies**”, Rey, Katz, **Cadiou**, Sanati, Agertz, Blaizot, Cameron, Choustikov, Devriendt, Hauk, Ji, Jones, Kimm, Laseter, Martin-Alvarez, Matsumoto, Pearce, Revaz, Rodríguez Montero, Rosdahl, Saxena, Slyz, Stiskalek, Storck, Veenema & Yee, *submitted, arXiv:2510.05232*, (2025).
5. “**MEGATRON: Reproducing the Diversity of High-Redshift Galaxy Spectra with Cosmological Radiation Hydrodynamics Simulations**”, Katz, Rey, **Cadiou**, Agertz, Blaizot, Cameron, Choustikov, Devriendt, Hauk, Jones, Kimm, Laseter, Martin-Alvarez, Matsumoto, Pearce, Rodríguez Montero, Rosdahl, Sanati, Saxena, Slyz, Stiskalek, Storck, Veenema & Yee, *submitted, arXiv:2510.05201*, (2025).
6. “**Introducing NewCluster: the first half of the history of a high-resolution cluster simulation**”, Han, Yi, Dubois, Rhee, Jeon, Jang, Byun, **Cadiou**, Kim, Kimm & Pichon, *submitted, arXiv:2507.06301*, (2025).
7. “**The Impact of Star Formation and Feedback Recipes on the Stellar Mass and Interstellar Medium of High-Redshift Galaxies**”, Katz, Rey, **Cadiou**, Kimm & Agertz, *submitted, arXiv:2411.07282*, (2024).

## — Published articles

1. “EDGE: the emergence of dwarf galaxy scaling relations from cosmological radiation-hydrodynamics simulations”, Rey, Taylor, Gray, Kim, Andersson, Pontzen, Agertz, Read, [Cadiou](#), Yates, Orkney, Scholte, Saintonge, Breneman, McQuinn, Muni & Das, *Monthly Notices of the Royal Astronomical Society*, 541, 1195, (2025).
2. “RAMSES-yOMP: Performance Optimizations for the Astrophysical Hydrodynamic Simulation Code RAMSES”, Han, Dubois, Lee, Kim, [Cadiou](#) & Yi, *The Astrophysical Journal*, 978, 96, (2025).
3. “Exploring the causal effect of cosmic filaments on dark matter haloes”, Storck, [Cadiou](#), Agertz & Galárraga-Espinosa, *Monthly Notices of the Royal Astronomical Society*, 539, 487, (2025).
4. “EDGE-INFERNO: Simulating Every Observable Star in Faint Dwarf Galaxies and Their Consequences for Resolved-star Photometric Surveys”, Andersson, Rey, Pontzen, [Cadiou](#), Agertz, Read & Martin, *The Astrophysical Journal*, 978, 129, (2025).
5. “How complex are galaxies? A non-parametric estimation of the intrinsic dimensionality of wide-band photometric data”, [Cadiou](#), Laigle & Agertz, *Monthly Notices of the Royal Astronomical Society*, 537, 1869, (2025).
6. “Running with the bulls: The frequency of star-disc encounters in the Taurus star-forming region”, Winter, Benisty, Shuai, D  chene, Cuello, Anania, [Cadiou](#) & Joncour, *Astronomy and Astrophysics*, 691, A43, (2024).
7. “The AGORA High-resolution Galaxy Simulations Comparison Project. IV. Halo and Galaxy Mass Assembly in a Cosmological Zoom-in Simulation at  $z \leq 2$ ”, Roca-F  brega, Kim, Primack, Jung, Genina, Hausammann, Kim, Lupi, Nagamine, Powell, Revaz, Shimizu, Strawn, Vel  zquez, Abel, Ceverino, Dong, Quinn, Shin, Segovia-Otero, Agertz, Barrow, [Cadiou](#), Dekel, Hummels, Oh, Teyssier & AGORA Collaboration, *The Astrophysical Journal*, 968, 125, (2024).
8. “Probing cosmology via the clustering of critical points”, Shim, Pichon, Pogosyan, Appleby, [Cadiou](#), Kim, Kraljic & Park, *Monthly Notices of the Royal Astronomical Society*, 528, 1604, (2024).
9. “Hot gas accretion fuels star formation faster than cold accretion in high-redshift galaxies”, Kocjan, [Cadiou](#), Agertz & Pontzen, *Monthly Notices of the Royal Astronomical Society*, 534, 918, (2024).
10. “Estimating major merger rates and spin parameters ab initio via the clustering of critical events”, [Cadiou](#), Pichon-Pharabod, Pichon & Pogosyan, *Monthly Notices of the Royal Astronomical Society*, 531, 1385, (2024).
11. “Evolution of cosmic filaments in the MTNG simulation”, Gal  rraga-Espinosa, [Cadiou](#), Gouin, White, Springel, Pakmor, Hadzhiyska, Bose, Ferlito, Hernquist, Kannan, Barrera, Maria Delgado & Hern  ndez-Aguayo, *Astronomy and Astrophysics*, 684, A63, (2024).
12. “pynbody/genetIC: Version 1.5.0”, Pontzen, [Cadiou](#), svstopyra, nroth0815, Rey & rc-softdev-admin, –999, (2024).
13. “Hot gas accretion fuels star formation faster than cold accretion in high redshift galaxies”, Kocjan, [Cadiou](#), Agertz & Pontzen, *American Astronomical Society Meeting Abstracts #243*, 243, 306.02, (2024).
14. “pynbody/tangos: Version 1.9.1”, Pontzen, Tremmel, [Cadiou](#), Rey, Wright, Davies, philosaph & Quinn, –999, (2023).
15. “pynbody/pynbody: Version 1.5.2”, Pontzen, Ro  kar, [Cadiou](#), Stinson, Mastropietro, Rey, Keller, Duffy, mkrets, Tremmel, Davies, Franck, Quinn, Sarmiento, Bovy, nroth0815, Coles, Ji, Applebaum, Zana, Biernacki, Herpich, mihaimt, Woods, EthTay, Altay, Winkler, Shaw & Moon, –999, (2023).
16. “Yr-project/yt\_astro\_analysis: yt\_astro\_analysis-1.1.3”, Smith, Turk, ZuHone, Robert, Skory, Hummels, Myers, Kowalik, Eganhila, Skillman, Warren, [Cadiou](#), Gsiisg, Wise, Madcpf, Leitner, Scopatz, De Val-Borro, Stark, Meng-Yuan, Keller, Dong, Richardson, Krafczyk, Goldbaum, Sankar & Stonnes, –999, (2023).
17. “Stellar angular momentum can be controlled from cosmological initial conditions”, [Cadiou](#), Pontzen & Peiris, *Monthly Notices of the Royal Astronomical Society*, 517, 3459, (2022).
18. “Forecasts for WEAVE-QSO: 3D clustering and connectivity of critical points with Lyman-   tomography”, Kraljic, Laigle, Pichon, Peirani, Codis, Shim, [Cadiou](#), Pogosyan, Arnouts, Pieri, Ir  i  , Morrison, O  norbe, P  rez-R  fols & Dalton, *Monthly Notices of the Royal Astronomical Society*, 514, 1359, (2022).
19. “Gravitational torques dominate the dynamics of accreted gas at  $z > 2$ ”, [Cadiou](#), Dubois & Pichon, *Monthly Notices of the Royal Astronomical Society*, 514, 5429, (2022).
20. “Matplotlib label lines”, [Cadiou](#), –999, (2022).
21. “Matplotlib label lines”, [Cadiou](#), –999, (2022).
22. “FyeldGenerator”, [Cadiou](#), –999, (2022).
23. “On the causal origin of the angular momentum of dark matter halos and galaxies”, [Cadiou](#), EAS2022, *European Astronomical Society Annual Meeting*, 476, (2022).
24. “pynbody/genetIC: Version 1.3.5”, Pontzen, [Cadiou](#), Svstopyra, Nroth0815, Rey & Rc-Softdev-Admin, –999, (2022).
25. “The causal effect of environment on halo mass and concentration”, [Cadiou](#), Pontzen, Peiris & Lucie-Smith, *Monthly Notices of the Royal Astronomical Society*, 508, 1189, (2021).

26. “**Angular momentum evolution can be predicted from cosmological initial conditions**”, Cadiou, Pontzen & Peiris, *Monthly Notices of the Royal Astronomical Society*, 502, 5480, (2021).
27. “**The clustering of critical points in the evolving cosmic web**”, Shim, Codis, Pichon, Pogosyan & Cadiou, *Monthly Notices of the Royal Astronomical Society*, 502, 3885, (2021).
28. “**EDGE: a new approach to suppressing numerical diffusion in adaptive mesh simulations of galaxy formation**”, Pontzen, Rey, Cadiou, Agertz, Teyssier, Read & Orkney, *Monthly Notices of the Royal Astronomical Society*, 501, 1755, (2021).
29. “**Tracing the simulated high-redshift circumgalactic medium with Lyman  $\alpha$  emission**”, Mitchell, Blaizot, Cadiou, Dubois, Garel & Rosdahl, *Monthly Notices of the Royal Astronomical Society*, 501, 5757, (2021).
30. “**The OBELISK simulation: Galaxies contribute more than AGN to H I reionization of protoclusters**”, Trebitsch, Dubois, Volonteri, Pfister, Cadiou, Katz, Rosdahl, Kimm, Pichon, Beckmann, Devriendt & Slyz, *Astronomy and Astrophysics*, 653, A154, (2021).
31. “**pynbody/genetIC: Version 1.3**”, Pontzen, Cadiou, Svstopyra, Nroth0815, Rey & Rc-Softdev-Admin, –999, (2021).
32. “**pynbody/genetIC: Version 1.2**”, Pontzen, Svstopyra, Cadiou, Nroth0815, Rey & Rc-Softdev-Admin, –999, (2021).
33. “**The clustering of critical points in the evolving cosmic web**”, Shim, Codis, Pichon, Pogosyan & Cadiou, *The Bulletin of The Korean Astronomical Society*, 46, 47.2, (2021).
34. “**When do cosmic peaks, filaments, or walls merge? A theory of critical events in a multiscale landscape**”, Cadiou, Pichon, Codis, Musso, Pogosyan, Dubois, Cardoso & Prunet, *Monthly Notices of the Royal Astronomical Society*, 496, 4787, (2020).
35. “**pynbody/pynbody: Version 1.0.2**”, Pontzen, Roškar, Stinson, Cadiou, Keller, Duffy, Mkrets, Tremmel, Mastropietro, Sarmiento, Quinn, Nroth0815, Coles, Ji, Biernacki, GFG-CHAOS, Herpich, Mihaimt, Woods, Bovy, Emapple, Altay, De Val-Borro, Shaw, Moon, TobiBu, Mueslo & Perret, –999, (2020).
36. “**Dense gas formation and destruction in a simulated Perseus-like galaxy cluster with spin-driven black hole feedback**”, Beckmann, Dubois, Guillard, Salome, Olivares, Polles, Cadiou, Combes, Hamer, Lehnert & Pineau des Forets, *Astronomy and Astrophysics*, 631, A60, (2019).
37. “**Accurate tracer particles of baryon dynamics in the adaptive mesh refinement code RAMSES**”, Cadiou, Dubois & Pichon, *Astronomy and Astrophysics*, 621, A96, (2019).
38. “**Galaxies flowing in the oriented saddle frame of the cosmic web**”, Kraljic, Pichon, Dubois, Codis, Cadiou, Devriendt, Musso, Welker, Arnouts, Hwang, Laigle, Peirani, Slyz, Treyer & Vibert, *Monthly Notices of the Royal Astronomical Society*, 483, 3227, (2019).
39. “**Galaxy evolution in the metric of the cosmic web**”, Kraljic, Arnouts, Pichon, Laigle, de la Torre, Vibert, Cadiou, Dubois, Treyer, Schimd, Codis, de Lapparent, Devriendt, Hwang, Le Borgne, Malavasi, Milliard, Musso, Pogosyan, Alpaslan, Bland-Hawthorn & Wright, *Monthly Notices of the Royal Astronomical Society*, 474, 547, (2018).
40. “**How does the cosmic web impact assembly bias?**”, Musso, Cadiou, Pichon, Codis, Kraljic & Dubois, *Monthly Notices of the Royal Astronomical Society*, 476, 4877, (2018).