

CV Lucie Barbier

7 papers, H-index 6, 224 citations. ORCID: 0000-0001-7102-3566

Post-doctoral Fellow at Collège De France, Paris, France

Education

2022 Qualification for Associate Professor positions, Section 65: Cell Biology.

2020 PhD, Life Sciences and Health, Université Paris-Saclay, Paris.

2016 Master of Sciences, Molecular and Cellular, Biology Sorbonne Université, Paris.

2012 *Elève Normalienne* at École Normale Supérieure Paris-Saclay, Paris.

Previous positions

• 2020- / : CIRB, Collège de France, Paris, Post-doctoral fellow.

• 2016-2020: Institut Pierre-Gilles de Gennes and Institut Curie, PhD thesis.

• 2014-2015 : David H. Koch Institute for Integrative Cancer Research at MIT, Cambridge, Master Thesis.

Supervision/Co-supervision of 3 Master students

Teaching

• Lecturer in the higher technical school *École Technique Supérieure du Laboratoire* in Paris since 2021

• “PhD Assignment” as scientific mediator at the science museum Universcience-Palais de la Découverte in Paris

Prizes, awards and scholarships

• 2019: *Espoirs de la Recherche*, 4th-year PhD program from the Fondation pour la Recherche Médicale (FRM).

• 2019: French Society for Cell Biology award for the ASCB-EMBO Meeting.

• 2019: *Rencontre du Vietnam award* for the 2nd Mechanobiology meeting.

• 2017: European Federation of Immunological Societies young researcher award for travel.

• 2016: PhD scholarship from the French ministry of research.

Since 2016, invited speaker at 2 seminars and selected for oral presentation at 3 international conferences.

Meeting Organizer: 3 international seminar series for young researchers (YRLS and Microscale affairs).

Institutional responsibilities, commissions of trust

• 2021-2022: Mentor of high school students for Apprentis Chercheurs, Arbre des Connaissances and Labex Memolife

• 2019-2020: “PhD Assignment” as communication officer at the Institut Pierre-Gilles de Gennes

• 2013-2016: Student representative on the École Normale Supérieure Paris-Saclay's advisory board.

5 major publications:

1• **Barbier L**, Sáez PJ, Attia R, Lennon AM, Lavi I, Piel M, Vargas P. (2019) Myosin II activity is selectively needed for migration in highly confined microenvironments in mature dendritic cells. *Frontiers in Immunology*, 12;10:747.

2• Vargas P, **Barbier L**, Sáez PJ, Piel M. (2017) Mechanisms for fast cell migration in complex environments. *Current Opinion in Cell Biology*, 48:72-78.

3• Sáez PJ, **Barbier L**, Attia R, Thiam HR, Piel M, Vargas P. (2018) Leukocyte Migration and Deformation in Collagen Gels and Microfabricated Constrictions. *Methods in Molecular Biology*, 1749:361-373.

4• Bretou M, Sáez PJ, Sanséau D, Maurin M, Lankar D, Chabaud M, Spampanato C, Malbec O, **Barbier L**, Muallem S, Maiuri P, Ballabio A, Helft J, Piel M, Vargas P, Lennon-Duménil AM. (2017) Lysosome signaling controls the migration of dendritic cells. *Science Immunology*, 27;2(16):eaak9573

5• Oudin MJ, **Barbier L**, Schäfer C, Kosciuk T, Miller MA, Han S, Jonas O, Lauffenburger DA, Gertler FB. (2017) MENA Confers Resistance to Paclitaxel in Triple-Negative Breast Cancer. *Molecular Cancer Therapeutics*, 16(1):143-155.