

CV Marie-Emilie Terret

- Born January 3rd 1977, French, 2 kids (born 2008 and 2011).
- Tenured Scientist since 2010, **PI and co-head** of "Oocyte Mechanics and Morphogenesis" lab since 2017 at CIRB, Collège de France, 11 place Marcelin Berthelot, 75005, Paris.

<https://www.college-de-france.fr/fr/oocyte-mechanics-and-morphogenesis>

I am an internationally recognized expert in the field of meiotic divisions. **My strength has been to develop biophysical approaches to meiotic divisions, helping to define a new field for this model system.**

Education

- 2014: HDR (French habilitation to supervise research), Life Sciences, Sorbonne University, Paris.
- 2004: PhD, Molecular and Cellular Developmental Biology, Sorbonne University, Verlhac lab, Paris.
- 2000: Master degree, Molecular and Cellular Biology, ENS Lyon, Lyon.

Academic employment

- 2017-present: CIRB, Collège de France, Verlhac/Terret lab, Paris, senior INSERM researcher (DR) and PI.
- 2009-2017: CIRB, Collège de France, Verlhac lab, Paris, junior INSERM researcher (CR).
- 2004-2009: Memorial Sloan Kettering Cancer Center, Jallepalli lab, New York, Post-doctoral fellow.

Major grants

- 2025-2030: 621 k€ (PEPR Women's health/Couple's health and ANR as a PI).
- 2022-2028: 352 k€ (QLife interdisciplinary, PSL/QLife prematuration and FRM as a PI, POC IN LABS Université Paris-Saclay as a partner).
- 2020-2022: 200 k€ (DIM Elicit as a PI, BME as a partner).
- 2017-2020: 336 k€ (ANR JCJC and FFCR as a PI).

Meetings participation and organization

- **Invited speaker at 30 national and international meetings** (Gordon conference, EMBO meetings, Jacques Monod conferences, International Titisee Conferences...).
- **Invited speaker at 12 seminars** in France and abroad (A* Star Singapore, Cambridge, Mc Gill, University of Geneva...).
- **Meeting (co)organizer: 8** national and international meetings (Mayosis 2025, Forces across scale in Porto 2024, From gametes to embryos 2023...).

Supervision and co-supervision of 16 undergraduate students, 5 PhD students and 6 postdoctoral fellows

All my PhD students completed their PhD with several first-author papers, reviews and/or book chapters, and several have won awards attesting to the quality of their PhD work (see below). My postdocs have also all made substantial contributions, publishing their research as first and sometimes co-corresponding authors, and securing patents. After completing their postdoctoral position, they obtained competitive research positions (CNRS research engineer in Pasteur Institute, PI at the CRG in Barcelona, PI in Utrecht, INSERM junior researcher...). Their research excellence was acknowledged with multiple awards (see below).

Awards

- 2023: **Nature Award for Mentoring in Science**, <https://www.nature.com/nature/awards/mentorship>.
- 2012-2017, 2021-2025: research excellence bonus from INSERM (RIPEC).
- 2024: Young Researcher prize L'Oréal-UNESCO Woman in science received by Lucie Barbier (postdoc).
- 2023: Young researcher prize of the "fondation des Treilles" and runner-up for the Eppendorf Award for Young European Investigators received by Adel Al Jord (postdoc).
- 2019: Young Researcher prize Bettencourt-Schueller received by Isma Bennabi (PhD student).
- 2015: Three Awards received by Agathe Chaigne (PhD student): 18th Thesis Prize from Le Monde; Prize Young Researcher Bettencourt-Schueller; 65th Lindau Nobel Laureate meeting alumni.

Institutional responsibilities

- 2024-2028: member of the FRM scientific advisory board (France's leading general charity funder of medical research).
- 2014-present: member of the Gefluc scientific advisory board (cancer foundation awarding grants).
- 2024-2026: vice-president of the French National Research Agency (ANR) committee CE13 (AAPG 2025 & 2026).

- 2023-2025: co-director of the GDR AQV (<https://gdr-aqv.ijm.fr/presentation-du-gdr/>) whose mission is to consolidate and promote links between communities at the interface between biology and physics.
- 2016-2021: member of the national committee CSS1 of the INSERM (recruitment of researchers, evaluation of their activity, evaluation of research units...), member of the CNRS incentive bonus CID 54 committee in 2023.
- 2015, 2016, 2017, 2018, 2021, 2024: member of selection committees to recruit Professors (Sorbonne University, UPC), Associate professors (Sorbonne University, UPC) and Technicians (IBGC Bordeaux, CIRB Collège de France, Jacques Monod Institute).
- 2019: Expert of application for the promotion to Professorship in Newcastle University, UK.
- 2019: Member of an HCERES committee (Curie Orsay), a public authority responsible for evaluating research structures in France.
- Referee for the ERC starting, Swiss National Science Foundation, Wellcome Trust, ANR, FRM, PSL/QLife, Emergence Sorbonne Uni and Uni Paris Cité, Agence biomédecine, the Czech project foundation, GDRs, Labex...
- Referee for many journals among them Science, Nature Struct Mol Biol, Nature Phys, Nature Commun, EMBO J, EMBO Rep, J Cell Biol, Curr Biol, NAR, Sci Adv, PNAS, Plos Biol, Rev Comm...

Teaching and mentoring

- I teach in several master courses and international PhD programs, up to about 20h per year: Sorbonne University (master 1 since 2013), Cochin Institute (master 2 since 2013), summer school PSL Soft and Living Matter (2023), Ecole Normale Supérieure/Curie Institute/Pasteur Institute (master 1 since 2018), International Curie Institute Course on Developmental Biology/Cell Biology & Cancer (2017-ongoing).
- I also participate in mentoring programs: Women in Science PSL Mentorship program since 2022 and PhD mentoring program of Sorbonne University since 2023.
- I am a member of the jury of the doctoral school 515 Complexité du Vivant of Sorbonne University (2017-ongoing).
- I was member of 31 PhD monitoring committees, 30 PhD Jurys and 8 HDR committees.

Dissemination of knowledge to the general public

- I teach in "le Campus de l'Innovation pour les lycées" (<https://www.college-de-france.fr/fr/campus-de-innovation-pour-les-lycees>) since 2020. This program is designed for general high school students in priority education zones, see my introduction to teaching (<https://www.youtube.com/watch?v=IOSaMMTcrIY&t=4s>) and a colloquium organized at Collège de France in 2024 (<https://www.youtube.com/watch?v=ib0-TXaV1Z0>).
- I teach at ENSTA since 2021 (<https://www.ensta-paris.fr/>).
- My lab participated in Qlife-EPSAA outreach project with art students (2020-22).
- I am jury member at the UniStem Day in Pasteur Institute since 2023 (<https://unistem.unimi.it/en/>).
- My lab engaged (2018) with middle and high school students through the "Apprentis Chercheurs" program facilitated by the "Arbre des Connaissances" initiative (<https://arbre-des-connaissances-apsr.org/nos-actions/les-apprentis-chercheurs/>).
- My lab participates every year in the "fête de la science" of the Collège de France (<https://www.college-de-france.fr/fr/actualites/fete-de-la-science-2022-0>).
- I actively engage in outreach activities, in particular with articles (Magazine Mutualiste 2025, Magazine de l'INSERM 2024...) aimed at a large audience.

Major publications

I have published 49 articles during my career, cited 3470 times (H-index 26). This includes first-author articles in journals such as Nature, Current Biology and Development during my PhD and post-doc. Since my tenure in 2010, I have published 11 (co)corresponding author articles in Nature Cell Biology, 3x Nature Communications, Science Advances, Developmental Cell, Small, EMBO Reports, Development, Molecular Biology of the Cell, Life Science Alliance.

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