

## Enrico Maria DALDELLO

**Birthdate:** November 15, 1987

**Nationality:** Italy

**Residence:** 63 Rue Blomet, 75015 Paris (France)

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### • *Education*

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- 12/06/2015     **Ph.D. in Biochemistry, Doctoral school “Life Complexity” Université Pierre et Marie Curie, now Sorbonne University (UPMC-PARIS 6).**  
Evaluation: Full marks, with “Très honorable” mention.
- 07/10/2011     **Master of Molecular Biology, Università Degli Studi Di Padova, Italy.**  
Graduation marks: 110/110 *Cum laude*
- 11/07/2011     **Master “Sciences, Technologie, Santé à finalité Recherche” (PARIS 7-Diderot), France.**  
Evaluation: Très bien (excellent) Ranking: 3/86
- 23/07/2009     **Bachelor degree in Molecular Biology, Università Degli Studi Di Padova, Italy.**  
Graduation mark: 110/110 *Cum laude*

### • *Professional experience*

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- 01/10/2021- present     **Laboratory of Developmental Biology -UMR7622- Institut de Biologie Paris Seine (IBPS), Sorbonne University (UPMC-PARIS 6), France.**  
*Researcher (CRCN). Team “Biology of the oocyte” directed by Catherine Jessus.*
- 01/07/2020 – 30/09/2021     **Laboratory of Developmental Biology -UMR7622- Institut de Biologie Paris Seine (IBPS), Sorbonne University (UPMC-PARIS 6), France.**  
*Postdoctoral Scholar. Team “Biology of the oocyte” directed by Catherine Jessus.*
- 01/12/2015-28/02/2020     **Center for Reproductive Sciences, ObGyn department, University of California – San Francisco (UCSF), San Francisco, California, USA.**  
*Postdoctoral Scholar. Team directed by Dr. Marco Conti*
- 01/10/2011- 31/10/2015     **Laboratory of Developmental Biology -UMR7622- Institut de Biologie Paris Seine (IBPS), Université P. et M. Curie, now Sorbonne University (UPMC-PARIS 6), France.**  
*Ph.D. student under the direction of Aude Dupré and Olivier Haccard. Team “Biology of the oocyte” directed by Catherine Jessus and Olivier Haccard.*  
Dissertation title: “Arpp19 and Cdc6, two major regulators of the meiotic division in the *Xenopus* oocyte.”
- 01/01/2011-01/06/2011     **Institute Jacques Monod -UMR7592-, Université D. Diderot (PARIS 7, France.**  
*Undergraduate researcher under the direction of Alain Zider. Team “Molecular genetic of differentiation” directed by Joel Silber (now renamed “Molecular oncology and pathology of the ovary”).*
- 01/02/2009-01/03/2009     **Department of biology, “Valisneri”, Università Degli Studi Di Padova, Italy.**  
*Stage under the direction of Rodolfo Costa. Team “Molecular genetic of development” directed by Rodolfo Costa.*

## Curriculum Vitae- Enrico Maria Daldello

### • *Awards and distinctions*

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- 01/10/2021 Recruited as "Chargé de recherche de classe normale" (CRCN) at the CNRS section 21.
- 2020 Leonardo Da Vinci Award.
- 21/06/2017 Prize for poster presentation and award for oral presentation: "**Single-cell analysis of Cdk1 substrate phosphorylation in mouse oocytes reveals new mechanisms of MPF regulation in space and time.**" International Gordon Research Conference "Fertilization & activation of development". Holderness, NH, USA.
- 15/06/2013 First prize for poster presentation and award for oral presentation: "**Cdc6 is tightly regulated during meiotic maturation of *Xenopus* oocytes**" International EMBO workshop « Oocyte maturation and fertilization ». Banyuls-sur-Mer, France.

### • *Funding*

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- 5/24/2022 "Tremplins nouveaux entrants & nouvelles entrantes" grant (Sorbonne University).
- 01/10/2021 CNRS-recrutement package.
- 25/06/2020 Post-Doc Fellowship "Postdoctorat 2 retour de l'étranger" from the "Fondation ARC pour la recherche sur le cancer" (<https://www.fondation-arc.org/the-fondation-arc>)
- 23/03/2017 Post-Doc Fellowship "The Lalor Foundation"-Advancing Research and Innovation in Reproductive Health. (<https://lalorfound.org/postdoctoral-fellowship-program/past-grants/>)
- 24/06/2014 One-year Fellowship "Fondation ARC pour la recherche sur le cancer". (<https://www.fondation-arc.org/the-fondation-arc>)
- 16/09/2011 Three years Ph.D. Fellowship at Université Pierre et Marie Curie (UPMC), Doctoral School: "Life Complexity". (<http://www.ed515.upmc.fr/fr/index.php>)
- 05/07/2010 Fellowship "Master Ile-de France" to attend the Master "Sciences, Technologie, Santé à finalité recherche mention génétique" (PARIS 7-Diderot). (<https://www.iledefrance.fr/bourses-mobilite-ile-de-france-etudiants>)
- 29/03/2010 ERASMUS fellowship ([https://ec.europa.eu/programmes/erasmus-plus/node\\_en](https://ec.europa.eu/programmes/erasmus-plus/node_en))

### • *Conference participation*

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- 24/03/2022-25/03/2022 Poster presentation at the Journée Andre Picard 2022. Villfranche-sur-mer, France.  
Title: "**Changes in protein homeostasis controls meiosis resumption**"
- 18/07/2019-21/07/2019 Poster presentation at Society for the Study of Reproduction (SSR) 52<sup>nd</sup> annual meeting. San Jose, CA, USA.  
Title: "**Cyclin B2 is required for progression through meiosis in mouse oocytes**"
- 07/06/2019 Invited speaker at Center for Reproductive Sciences annual meeting. San Francisco, CA, USA.  
Title: "**Mouse meiotic maturation: a tale of two (or three) cyclins**"

## Curriculum Vitae- Enrico Maria Daldello

- 16/01/2019-19/01/2019 Oral communication at the Fifth International Oocytes Meeting. Villefranche-sur-mer, France.  
Title: “**Mouse meiotic maturation: a tale of two Cyclins**”
- 16/06/2017-21/06/2017 Oral presentation at the International Gordon Research Conference: "Fertilization & activation of development". Holderness, NH, USA.  
Title: “**Single-cell analysis of Cdk1 substrate phosphorylation in mouse oocytes reveals new mechanisms of MPF regulation in space and time**”
- 28/06/2015-03/07/2015 Selected for the “65th Lindau Nobel Laureate Meeting”. Lindau, Germany.  
Interdisciplinary: Physiology/Medicine, Physics, Chemistry.
- 2014 Oral presentation at the Young Researchers in Life Science meeting 2014, Pasteur Institute, Paris, France.  
Title: “**Timely**” **accumulation of Cdc6 is necessary for proper meiotic cell division.**
- 11/10/2014-15/10/2014 Poster presentation at the international CNRS-Jacques Monod Conference “Cell cycle: bridging scales in cell division”, Roscoff, France.
- 26/03/2014-27/03/2014 Oral presentation at the national meeting “Journées André Picard”, “Museum National d’Histoire Naturelle”, Paris, France.  
Title: **Cdc6 is tightly regulated during meiotic maturation of *Xenopus* oocytes.**
- 12/06/2013-15/06/2013 Oral presentation and Poster presentation at: International EMBO workshop “Oocytes maturation and fertilization”, Banyuls-sur-Mer, France.  
Title: **Cdc6 is tightly regulated during meiotic maturation of *Xenopus* oocytes.**

### • *Languages*

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**Italian** (Native language),  
**English** (Fluent)  
**French** (Advanced).

### • *Scientific publications*

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[ORCID-ID: 0000-0002-0456-8950](https://orcid.org/0000-0002-0456-8950)  
[google scholar](#)

1. CPEB1-dependent disruption of the mRNA translational program in oocytes during maternal aging.  
Nozomi Takahashi, Federica Franciosi, **Enrico Maria Daldello**, Xuang G. Luong, Peter Althoff, Xiaotian Wang, Marco Conti.  
Nature Communication 14, 416 (2023). <https://doi.org/10.1038/s41467-023-35994-3>
2. The M-phase regulatory phosphatase PP2A-B55 $\delta$  opposes protein kinase A on Arpp19 to initiate meiotic division.  
Tom Lemonnier\*, **Enrico Maria Daldello**\*, Robert Poulhe, Tran Le, Marika Miot, Catherine Jessus, and Aude Dupré.  
Nature Communication 12, 1837 (2021). <https://doi.org/10.1038/s41467-021-22124-0>  
(\*Co-first authors)
3. (Method article) Defining the Program of Maternal mRNA Translation During In Vitro Maturation Using a Single Oocyte Reporter Assay.  
Natasja G. J. Costermans, **Enrico Maria Daldello**, Ria J. Marathe, Marco Conti.  
J. Vis. Exp. (172), e62041 (2021). [doi:10.3791/62041](https://doi.org/10.3791/62041)
4. (Review article) Translational control of *Xenopus* oocyte meiosis: toward the genomic era.  
Ferdinand Meneau, Aude Dupré, Catherine Jessus, and **Enrico Maria Daldello** \* (\* Corresponding author)

## Curriculum Vitae- Enrico Maria Daldello

Cells 2020, 9(6), 1502; <https://doi.org/10.3390/cells9061502>

5. Genome-wide analysis reveals a switch in the translational program upon oocyte meiotic resumption.  
Xuan G. Luong\*, **Enrico Maria Daldello\***, Gabriel Rajkovic, Cai-Rong Yang, and Marco Conti.  
(\*Co-first authors)  
Nucleic Acids Research. 2020 Apr 6;48(6):3257-3276. [doi: 10.1093/nar/gkaa010](https://doi.org/10.1093/nar/gkaa010).
6. The RNA binding protein DAZL functions as repressor and activator of maternal mRNA translation during oocyte maturation.  
Cai-Rong Yang, Gabriel Rajkovic, **Enrico Maria Daldello**, Xuan G. Luong, Jing Chen, and Marco Conti  
Nature Communication. 1399 (2020). [doi : 10.1038/s41467-020-15209-9](https://doi.org/10.1038/s41467-020-15209-9)
7. Cyclin B2 is required for progression through meiosis in mouse oocytes.  
**Enrico Maria Daldello**, Xuan G. Luong, Cai-Rong Yang, Jonathan Kuhn, and Marco Conti.  
Development 146, dev172734 (2019), [doi: 10.1242/dev.172734](https://doi.org/10.1242/dev.172734)
8. Maternal mRNAs with distinct 3' UTRs define the temporal pattern of Ccnb1 synthesis during mouse oocyte meiotic maturation.  
Ye Yang, Cai-Rong Yang, Seung Jin Han, **Enrico Maria Daldello**, Ara Cho, Joao P. Sousa Martins, Guoliang Xia, and Marco Conti.  
Genes and Development 31, 1302-1307 (2017), [doi: 10.1101/gad.296871.117](https://doi.org/10.1101/gad.296871.117)
9. The Translation of Cyclin B1 and B2 is Differentially Regulated during Mouse Oocyte Reentry into the Meiotic Cell Cycle.  
Seung Jin Han, João Pedro Sousa Martins, Ye Yang, Min Kook Kang, **Enrico Maria Daldello**, and Marco Conti  
Scientific Report 7, 14077 (2017), [doi: 10.1038/s41598-017-13688-3](https://doi.org/10.1038/s41598-017-13688-3).
10. Control of Cdc6 accumulation by Cdk1 and MAPK is essential for completion of oocyte meiotic divisions in *Xenopus*.  
**Enrico Maria Daldello**, Tran Le, Robert Poulhe, Catherine Jessus, Olivier Haccard, and Aude Dupré.  
Journal of Cell Science 128, 2482-2496 (2015), [doi:10.1242/jcs.166553](https://doi.org/10.1242/jcs.166553)
11. Phosphorylation of ARPP19 by protein kinase A prevents meiosis resumption in *Xenopus* oocytes.  
Aude Dupré\*, **Enrico Maria Daldello\***, Angus C. Nairn, Catherine Jessus, and Olivier Haccard.  
(\*Co-first authors)  
Nature Communications 5,:3318 (2014), [doi:10.1038/ncomms4318](https://doi.org/10.1038/ncomms4318)
12. The Hippo kinase promotes Scalloped cytoplasmic localization independently of Warts in a CRM1/Exportin1-dependent manner in *Drosophila*.  
Julie Cagliero, Antoine Forget, **Enrico Daldello**, Joël Silber, and Alain Zider.  
FASEB Journal 4, 1330-1341 (2013), [doi: 10.1096/fj.12-216424](https://doi.org/10.1096/fj.12-216424)