

## Curriculum Vitae

**Name:** Erika Peverelli

**Citizenship:** Italian

**Work address:** University of Milan, Dept. Clinical Sciences and Community Health, IRCCS Cà Granda Ospedale Maggiore Policlinico, Via F.Sforza 35, 20122, Milano, Italy

**E-mail address:** erika.peverelli@unimi.it

**Education:** 2007 PhD in Endocrinologic and Metabolic Sciences, University of Milan.

2003 University Degree in Pharmaceutical biotechnologies, University of Milan (summa cum laude).

**Current position:**

Researcher (University of Milan, Milan, Italy)

### Research Experience:

2017-nowadays: Researcher (University of Milan) Role of cytoskeleton in the regulation of somatostatin receptors and pituitary tumors invasiveness and responsiveness to pharmacological treatment.

2013- 2017: Post-doctoral fellowship (Fondazione IRCCS Ospedale Maggiore Policlinico, Milan)

2008 –2013: Post-doctoral fellowship (University of Milan)

2004-2007: Fellowship (University of Milan).

2003-2004: Fellowship at Institute of Pharmacological Research “Mario Negri”, Milan.

2001-2003: Undergraduate working at Degree in Pharmaceutical biotechnologies, Biology of Neurodegenerative Diseases, Institute of Pharmacological research “Mario Negri”, Milan

### Technical skills, academic activity and competences:

Cell cultures; biochemical assays for protein detection, cell proliferation-apoptosis assays; molecular biology; cell transfection and silencing; BRET technique; confocal microscopy; in vivo models. Experience in lab coaching and teaching of undergraduate or graduate students, PhD students and fellows, as well as in the management of small research groups. Teaching activity in master degree in Medical biotechnology and molecular medicine (University of Milan).

### Honors (selection):

-2017 Poster Price “Cofilin is a cAMP effector in mediating actin cytoskeleton reorganization. and steroidogenesis in mouse and human adrenocortical tumor cells” 16<sup>th</sup> European Network for the study of adrenal tumors meeting, Paris

-Society for Endocrinology’s Journal Awards: Best paper published in Endocrine Connections in 2013 (Peverelli E et al., 2013 28;2(4):196-207)

Associate Editor per “Frontiers in Endocrinology, Translational Endocrinology”. Review Editor on the Editorial Board of Pituitary Endocrinology (specialty section of Frontiers in Endocrinology).

**Participation as invited speaker** in 14 national and international meetings. Several abstracts presented at national and international conferences, as oral communications or posters.

### Grants:

- 2023: Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale (PRIN) bando 2022 PNRR (P20227KXJK) (P.I.) € 90.999,00

- 2023: Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale (PRIN) bando 2022 (2022CZR88M) (Head of local research unit) € 93.999,50

- 2021: AIRC- IG 2021-25920, 472.000 € (PI)

- 2019: Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale (PRIN), Ministero dell'Istruzione dell'Università e della Ricerca, 162.984 € (Head of local research unit)

- 2018: Ricerca Finalizzata, Italian Ministry of Health, 251.888 € (co-Principal Investigator)

### Publications (selection):

- Mangili F, Esposito E, Treppiedi D, Catalano R, Marra G, Di Muro G, Barbieri AM, Locatelli M, Lania AG, Mangone A, Spada A, Arosio M, Peverelli E, Mantovani G. DRD2 Agonist Cabergoline Abolished the Escape Mechanism Induced by mTOR Inhibitor Everolimus in Tumoral Pituitary Cells. Front Endocrinol (Lausanne). 2022 Jun 3;13:867822. doi: 10.3389/fendo.2022.867822. PMID: 35721701; PMCID: PMC9204243.

- Treppiedi D, Marra G, Di Muro G, Catalano R, Mangili F, Esposito E, Barbieri AM, Arosio M, Mantovani G, Peeverelli E. TMRSS2 Expression and Activity Modulation by Sex-Related Hormones in Lung Calu-3 Cells: Impact on Gender-Specific SARS-CoV-2 Infection. *Front Endocrinol (Lausanne)*. 2022 May 31;13:862789. doi: 10.3389/fendo.2022.862789. PMID: 35712238; PMCID: PMC9193185.
- Treppiedi D, Marra G, Di Muro G, Esposito E, Barbieri AM, Catalano R, Mangili F, Bravi F, Locatelli M, Lania AG, Ferrante E, Indirli R, Nozza E, Arlati F, Spada A, Arosio M, Mantovani G, Peeverelli E. P720R USP8 Mutation Is Associated with a Better Responsiveness to Pasireotide in ACTH-Secreting PitNETs. *Cancers (Basel)*. 2022 May 16;14(10):2455. doi: 10.3390/cancers14102455. PMID: 35626057.
- Spada A, Mantovani G, Treppiedi D, Mangili F, Catalano R, Carosi G, Sala E, Peeverelli E. Pituitary tumors: genetic and molecular factors underlying pathogenesis and clinical behavior. *Neuroendocrinology*. 2022;112(1):15-33. doi: 10.1159/000514862. Epub 2021 Feb 1. PMID: 33524974.
- Giardino E, Catalano R, Mangili F, Barbieri AM, Treppiedi D, Elli FM, Dolci A, Contarino A, Spada A, Arosio M, Mantovani G, Peeverelli E. Octreotide and pasireotide effects on medullary thyroid carcinoma (MTC) cells growth, migration and invasion. *Mol Cell Endocrinol*. 2021 Jan 15;520:111092. doi: 10.1016/j.mce.2020.111092.
- Catalano R, Giardino E, Treppiedi D, Mangili F, Morelli V, Elli FM, Serban AL, Luconi M, Mannelli M, Spada A, Arosio M, Mantovani G, Peeverelli E. The cytoskeleton actin binding protein filamin A impairs both IGF2 mitogenic effects and the efficacy of IGF1R inhibitors in adrenocortical cancer cells. *Cancer Lett*. 2021 Jan 28;497:77-88. doi: 10.1016/j.canlet.2020.10.022.
- Peeverelli E, Treppiedi D, Mangili F, Catalano R, Spada A, Mantovani G. Drug resistance in pituitary tumours: from cell membrane to intracellular signalling. *Nat Rev Endocrinol*. 2021 Sep;17(9):560-571. doi: 10.1038/s41574-021-00514-0. Epub 2021 Jun 30. PMID: 34194011.
- Treppiedi D, Mangili F, Giardino E, Catalano R, Locatelli M, Lania A, Spada A, Arosio M, Calebiro D, Mantovani G, Peeverelli E. Cytoskeleton protein Filamin A is required for efficient Somatostatin receptor type 2 internalization and recycling through Rab5 and Rab4 sorting endosomes in tumor somatotroph cells. *Neuroendocrinology*. 2020;110(7-8):642-652. doi: 10.1159/000503791.
- Giardino E, Catalano R, Barbieri AM, Treppiedi D, Mangili F, Spada A, Arosio M, Mantovani G, Peeverelli E. Cofilin is a mediator of RET-promoted medullary thyroid carcinoma cell migration, invasion and proliferation. *Mol Cell Endocrinol* 2019 Sep 15;495:110519.

#### Scientific production:

She has published 66 papers on international peer-review journals and 2 book chapters (total IF: 363.9, mean IF: 5.5, H-index: 23 (WOS, Scopus) (ORCID ID: 0000-0002-4424-7895, Scopus ID: 9744591300).

**Milan, 11/12/2023**