



Prof. Maria Carmo-Fonseca

Maria Carmo-Fonseca is Professor at the University of Lisbon Medical School. She is a founder of the Institute of Molecular Medicine (iMM), a biomedical research institute affiliated with the University of Lisbon Medical School, where she currently serves as President. She was visiting Professor at Harvard Medical School (2011 to 2013). She is member of the European Molecular Biology Organization, the Portuguese Academy of Sciences, the Portuguese Academy of Medicine, and Academia Europaea, and she served as President of the RNA Society (2021-2022). She has been scientific editor for the Journal of Cell Science and the RNA journal.

The Carmo-Fonseca lab combines microscopy techniques and genome-wide methodologies to study RNA splicing in health and disease.

<https://imm.medicina.ulisboa.pt/pt-pt/investigation/laboratories/maria-carmo-fonseca-lab-2/#intro>

Recent publications:

Barbosa et al (2023) Computational prediction of human deep intronic variation. *GigaScience*, Volume 12, giad085, <https://doi.org/10.1093/gigascience/giad085>

Carmo-Fonseca M. (2023) Sweet splicing. *Cell* doi: 10.1016/j.cell.2022.11.025.

Carmo-Fonseca M. (2023) A twist to splicing regulation in haematopoiesis. *Nature Cell Biology* doi: 10.1038/s41556-022-01043-2.

Sousa-Luís R, Carmo-Fonseca M. (2022) Pseudouridylation: A new player in co-transcriptional splicing regulation. *Molecular Cell* doi: 10.1016/j.molcel.2022.01.010

Tammer et al (2022) Gene architecture directs splicing outcome in separate nuclear spatial regions. *Molecular Cell* doi: 10.1016/j.molcel.2022.02.001

Sousa-Luis et al (2021). POINT Technology illuminates the processing of polymerase-associated intact nascent transcripts. *Molecular Cell* doi: 10.1016/j.molcel.2021.02.034.

Prudêncio et al (2021) Transcription and splicing dynamics during early *Drosophila* development. *RNA* doi: 10.1261/rna.078933.121.

Desterro et al (2020) Targeting mRNA processing as an anticancer strategy. *Nature Reviews Drug Discovery* 19:112-129. doi: 10.1038/s41573-019-0042-3.