Manuel Mendoza
Curriculum Vitae
ORCID ID 0000-0001-5522-4878, Google Scholar:
http://scholar.google.fr/citations?user=L7DZOpMAAAAJ

Personal information: Born in Grenoble (France) on 11/09/1971. Venezuelan / Spanish.

Current Position: Group Leader at the Institute of Genetics and Molecular and Cellular Biology (IGBMC), Strasbourg, France. Research Director (DR2) at the French National Institute of Health and Medical Research (INSERM).

Previous positions

- Junior Group Leader (2008-2017), Center for Genomic Regulation (CRG), Barcelona, Spain.
- Postdoctoral Fellow (2004-2008), Swiss Federal Institute of Technology (ETH), Zurich. Advisor: Prof. Yves Barral.
- Postdoctoral Fellow (2002-2004), European Molecular Biology Laboratory, Heidelberg. Advisor: Dr. Damian Brunner.
- PhD student (1997-2002), Institute of Molecular Pathology (IMP), Vienna, Austria. Supervisor: Dr. Michael Glotzer.

Education

- Habilitation à diriger des recherches, University of Strasbourg, France (2019)
- Ph.D. in Biochemistry, University of Vienna, Austria (2002)
- M.Sc. in Biological Sciences, University of Rome "Tor Vergata", Italy (1997).

Fellowships and awards

- ERC Starting Grant, 2011 – 2016
- Postdoctoral Fellowship, Alexander von Humboldt Foundation, 2002 – 2003

Selected funding sources

- Equipes FRM, 2021 – 2023
- Université de Strasbourg, Institute for Advanced Studies, 2020 – 2021
- CCIR Est – Ligue Nationale Contre le Cancer, 2019 – 2020
- Projets Fondation ARC, 2019 – 2022
- European Research Council Starting Grant, 2011 – 2016
- Spanish Ministry of Economy and Competitiveness, uninterrupted 2010 - 2017

Teaching

- Lecturer, Advanced Seminars in Life Sciences, Center for Genomic Regulation, Barcelona, Spain, 2009 – 2016
- Lecturer, PhD Life Sciences Module, Temasek Life Sciences Laboratory, Singapore, 2011

Organization of scientific meetings

- Meeting co-organizer: CRG Symposium "Cellular Machineries", Barcelona, Spain, 2015

Institutional responsibilities

- Organizer of Departmental Seminars, Development and Stem Cell Department, IGBMC, Strasbourg, France, 2020 – ongoing

- Member of the Graduate Studies committee, CRG, Barcelona, Spain, 2011 – 2017

Reviewing activities

- Journals: Nature Cell Biology, eLife, Molecular Cell, Current Biology, The Journal of Cell Biology, Molecular Biology of the Cell, Journal of Cell Science, PLoS Biology, PLoS Genetics, Nature Communications, Yeast, Cell Reports, FEBS Letters ....
- Granting agencies: Agence National de la Recherche (ANR), Deutsche Forschungsgemeinschaft (DFG), The Wellcome Trust, Human Frontiers Science Program (HFSP), Plan Nacional / Spanish Ministry of Science and Innovation, Portuguese Foundation for Science and Technology, Dutch Cancer Society…

Selected Publications. Members of my lab are underlined.

1. Gomar-Alba, M., Pozharskaia, V., Schaal, C., Kumar, A., Jacquel, B., Charvin, G. … and **Mendoza, M.** (2021). Nuclear Pore Complex Acetylation Regulates mRNA Export and Cell Cycle Commitment in Budding Yeast. *bioRxiv*, 2021.09.01.458533. doi:10.1101/2021.09.01.458533.
2. Méndez, E., Gomar-Alba, M., Bañó, M.C., **Mendoza, M.**, Quilis, I., Igual, J.C. (2020) The budding yeast Start repressor Whi7 differs in regulation from Whi5, emerging as a major cell cycle brake in response to stress. ***Journal of Cell Science*** 133 (24)
3. Ivanova, T., Maier, M., Missarova, A., Ziegler-Birling, C., Dam, M. Gomar-Alba, M., Carey, L. B.*, and **Mendoza, M.*** (2020). Budding yeast complete DNA synthesis after chromosome segregation begins. ***Nat. Commun.*** 11, 2267. First version posted to ***bioRxiv***, https://doi.org/10.1101/407957
    - Pre-print highlighted in: ***preLights*** (2018) https://prelights.biologists.com/highlights/budding-yeast-complete-dna-replication-chromosome-segregation-begins/
4. Di Stefano, M., Di Giovanni, F., Pozharskaia, V., Gomar-Alba, M., Baù, D., Carey, L. B.*, Marti-Renom, M.A.* and **Mendoza, M.*** (2020). Impact of Chromosome Fusions on 3D Genome Organization and Gene Expression in Budding Yeast. ***Genetics*** 214, 651–667. First version posted to ***bioRxiv***, 237263, https://doi.org/10.1101/237263
5. Gomar-Alba, M., and Mendoza, M. (2020). Modulation of Cell Identity by Modification of Nuclear Pore Complexes. ***Frontiers in Genetics*** 10. doi:10.3389/fgene.2019.01301.
6. Kumar A, Sharma P, Gomar-Alba M, Shcheprova Z, Daulny A, Sanmartin T, Matucci I, Funaya C, Beato M, **Mendoza M** (2018). Daughter-cell-specific modulation of nuclear pore complexes controls cell cycle entry during asymmetric division. ***Nature Cell Biology*** *20*, 432-442. First version posted to ***bioRxiv***, https://doi.org/10.1101/203232
7. Maya Miles D, Peñate X, Sanmartín Olmo T, Jourquin F, Muñoz Centeno MC, **Mendoza M**, Simon MN, Chavez S and Geli V (2018). High levels of histones promote whole-genome-duplications and trigger a Swe1^{WEE1}-dependent phosphorylation of Cdc28^{CDK1}. ***eLife*** 7:e35337 DOI: 10.7554/eLife.35337
8. Masgrau, A., Battola, A., Sanmartin, T., Pryszcz L.P., Gabaldón, T. and **Mendoza, M.** (2017). Distinct roles of the polarity factors Boi1 and Boi2 in the control of exocytosis and abscission in budding yeast. ***Molecular Biology of the Cell***. 28 (22): 3082-3094. First version posted to ***bioRxiv***, https://doi.org/10.1101/151670
9. Amaral, A., Brownlow, N. and **Mendoza, M.** (2016). Replication Stress: NoCut to the rescue. ***Cell Cycle***, 16 (3), 233-234 (review)
10. Amaral, A., Vendrell, A., Funaya, C., Idrissi, F., Maier, M., Kumar, A., Neurohr, G., Colomina, N., Torres-Rosell, J., Geli. M.I. and **Mendoza, M.** (2016). The Aurora B

dependent NoCut checkpoint prevents damage of anaphase bridges after DNA replication stress. ***Nature Cell Biology***, 18, 516-526.

11. Neurohr G., **Mendoza M.** (2017) Cdc14 Localization as a Marker for Mitotic Exit: In Vivo Quantitative Analysis of Cdc14 Release. In: Monje-Casas F., Queralt E. (eds) The Mitotic Exit Network. ***Methods in Molecular Biology***, vol 1505. Humana Press, New York, NY
12. Kumar A., **Mendoza M.** (2016) Time-Lapse Fluorescence Microscopy of Budding Yeast Cells. In: Sanchez-Diaz A., Perez P. (eds) Yeast Cytokinesis. ***Methods in Molecular Biology***, vol 1369. Humana Press, New York, NY
13. Titos, I., Ivanova, T. and **Mendoza, M.** Chromosome length and perinuclear attachment constrain resolution of DNA intertwines (2014). ***Journal of Cell Biology*** 206, 719-733.
    - Highlighted in: ***J Cell Biol.*** (2014) 206, 691
14. Neurohr, G., Naegeli, A., Titos, I., Theler, D., Greber, B., Díez, J., Gabaldón, T., **Mendoza, M.*** and Barral, Y.* (2011). A Midzone-Based Ruler Adjusts Chromosome Compaction to Anaphase Spindle Length. ***Science*** 332, 465-468
    - Highlighted in: ***Curr Biol.*** (2011) 21, R388-390

Selected talks (invited talks at international meetings are underlined)

- FASEB Yeast Chromosome Biology and Cell Cycle Conference, Steamboat Springs (CO), 2020 (postponed to 2022 due to the SARS-CoV-2 pandemic)
- International Conference on Yeast Genetics and Molecular Biology, Göteborg, 2019
- European Cell Cycle Meeting, Trieste, 2019
- Spatial Genome Organization Conference, Nassau, 2019
- 3rd International Meeting, French Society for Cell Biology, "Building the Cell", Paris, 2018
- Cell Cycle Meeting, Roscoff, France, 2017
- 2nd DNA Replication as a Source of DNA Damage Conference, Rome, Italy, 2017
- Curie Institute, Paris, France, 2016
- Life Sciences Institute, University of Exeter, UK, 2016
- Genome Damage and Stability Centre, University of Sussex, UK, 2016
- Centre de Recherche de Biochemie Macromoléculaire (CRBM), Montpellier, France, 2016
- CSHL Meeting on the Cell Cycle, Cold Spring Harbor (NY), 2016
- Department of Cell Biology, University of Geneva, Switzerland, 2016
- Yeast Imaging Symposium, Toulouse, France, 2016
- Max Planck Institute of Molecular Cell Biology and Genetics (MPI-CBG), Dresden, Germany, 2016
- Instituto de Investigaçao e Innovaçao em Saúde (I3S), Porto, Portugal, 2016
- Gordon Research Conference on Chromatin Dynamics, Waterville Valley (NH), 2015
- IFOM-IEO Campus, Milan, Italy, 2015
- Karolinska Institute, Stockholm, Sweden, 2015
- Centre de Recherche en Cancerologie de Marseille (CRCM), Marseille, France, 2014
- FASEB Meeting on Yeast Chromosome Structure, Replication and Segregation, Steamboat Springs (CO), 2014
- BioMed Conference, The Microtubule Cytoskeleton in Development and Disease, Barcelona, Spain, 2013
- Meeting of the French Society of Cell Biology, Toulouse, France, 2012
- MCD Biology, University of Colorado, Boulder (CO), 2012
- Temasek Life Sciences Laboratory, Singapore, 2011