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EDUCATION

Max Planck Institute of Molecular Cell biology and Genetics TU Dresden, Germany, PhD in Biology	2007
University of the Algarve , Portugal Licenciatura (Master) in Biochemistry	2003

RESEARCH EXPERIENCE

Max Perutz Labs, University of Vienna, Austria Professor of Cell and Developmental Biology	since 2020
ETH Zürich , Switzerland Assistant Professor of Cellular Biochemistry	2014 – 2020
London Research Institute , Clare Hall Labs (Francis Crick Institute), UK Postdoctoral fellow with Dr. Stephen West	2009 – 2013
Max Planck Institute of Molecular Cell biology and Genetics , Germany PhD student with Dr. Wolfgang Zachariae	2003 – 2008

SELECTED PUBLICATIONS

Balbo Pogliano, C., Ceppi, I., Giovannini, S., Petroulaki, V., Palmer, N., Uliana, F., Gatti, M., Kasaciunaite, K., Freire, R., Cejka, Seidel, R., Altmeyer, M., Cejka, P.[#] and **Matos, J.**[#] (2022). The CDK1-TOPBP1-PLK1 axis regulates the Bloom's syndrome helicase BLM to suppress crossover recombination in somatic cells. **Science Advances** DOI: 10.1126/sciadv.abk0221

Cannavo E., Sanchez A., Anand R., Ranjha L., Hugener J., Adam C., Acharya A., Weyland N., Aran-Guiu X., Charbonnier JB, Hoffmann E., Borde V., **Matos J.** and Cejka P. (2020) Regulation of the MLH1-MLH3 endonuclease in meiosis. **Nature** 586(7830):618-622. DOI:10.103/s4586-020-2592-2

Grigaitis, R., Ranjha, L., Wild, P., Kasaciunaite, K., Cejka, Ceppi, I., Kissling, V., Peter. M., Seidel, R., Cejka, P. and **Matos, J.**[#] (2020). Phosphorylation of the RecQ Helicase Sgs1/BLM Controls Its DNA Unwinding Activity during Meiosis and Mitosis. **Developmental Cell** 53(6):706-723.e5. DOI: 10.1016/j.devcel.2020.05.016.

Wild, P., Susperregui, A., Piazza, H., Arter, M., Dorig, C., Hilditch, A., Vuina, K., Chan, K., Fung, J., Picotti, P. and **Matos, J.**[#] (2019). Network rewiring of homologous recombination during mitotic proliferation and meiosis. **Molecular Cell** 75(4):859-874. DOI: 10.1016/j.molcel.2019.06.022

Arter, M., Hurtado-Nieves, V., Oke, A., Wettstein R., Fung, J., Blanco, M.G.[#] and **Matos, J.**[#] (2018) Regulated crossing-over requires inactivation of Yen1/GEN1 resolvase during meiotic prophase I. **Developmental Cell** 18: 785-800. DOI: 10.1016/j.devcel.2018.05.020

Duda, H., Arter, M., Gloggnitzer, J., Teloni, F., Wild, P., Blanco, M.G., Altmeyer, M., **Matos, J.**[#], (2017). A mechanism for controlled breakage of under-replicated chromosomes during mitosis. **Developmental Cell** 39: 740-755. DOI: 10.1016/j.devcel.2016.11.017

Blanco, M.G.* , **Matos, J.*** , and West, S.C. (2014). Dual control of Yen1 nuclease activity and cellular localization by Cdk and Cdc14 prevents genome instability. **Molecular Cell** 54: 1-13. DOI: 10.1016/j.molcel.2014.02.011

Matos, J., Blanco, M.G., and West, S.C. (2013). Cell-cycle kinases coordinate the resolution of recombination intermediates with chromosome segregation. **Cell reports** 4: 76-86. DOI: 10.1016/j.celrep.2013.05.039

Matos, J. *, Blanco, M.G. *, Maslen, S., Skehel, J.M., and West, S.C. (2011). Regulatory control of the resolution of DNA recombination intermediates during meiosis and mitosis. **Cell** 147(1):158-72. DOI: 10.1016/j.cell.2011.08.032

Matos, J. *, Lipp, J.J.* , Bogdanova, A., Guillot, S., Okaz, E., Junqueira, M., Shevchenko, A., Zachariae, W. (2008). Dbf4-dependent CDC7 kinase links DNA replication to the segregation of homologous chromosomes in meiosis I. **Cell** 135(4): 662-678. DOI: 10.1016/j.cell.2008.10.026

Petronczki, M.* , **Matos, J.*** , Mori, S., Gregan, J., Bogdanova, A., Schwickart, M., Mechtler, K., Shirahige, K., Zachariae, W., Nasmyth, K., (2006). Monopolar attachment of sister kinetochores at meiosis I requires casein kinase 1. **Cell** 126(6): 1049-1064. DOI: 10.1016/j.cell.2006.07.029

ADDITIONAL RESEARCH ACHIEVEMENTS

FELLOWSHIPS AND AWARDS

- ERC Consolidator Grant, 2020 (2022-2026)
- EMBO Young Investigator, 2017
- Starting Grant 2015 – Swiss equivalent to ERC (due to temporary exclusion from EU programs) (2015-2020)
- Human Frontiers Science Program, Long-Term Fellowship (2010 – 2013)
- EMBO Long-Term Fellowship (declined), 2010
- Otto-Hahn Medal (Max-Planck Society), Mainz, Germany, 2009