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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	2002

RESEARCH EXPERIENCE

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

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, in press*). <https://www.biorxiv.org/content/10.1101/2020.02.12.946293v1>

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

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