

POSTDOCTORAL POSITION APPLICATION

Andalusian Government is about to open a call (expected for July) for postdoctoral positions that specifically offers contracts to CSIC groups working in CABIMER (Seville). In this frame, our Group “**Chromatin Integrity and Function**” is looking for highly motivated researches. Since there are just 9 CSIC groups in CABIMER, this is an excellent opportunity to obtain a 3 years postdoctoral contract for those researchers interested in understanding the molecular bases of genome dynamics and stability.

The main research lines of our group are:

1. Role of chromatin in genome integrity
2. Mechanisms of DNA damage tolerance

Applicants should have expertise in molecular biology, first author publications in high impact journals and a PhD defended after 2016 (5 years before publication of the call). International experience will be a preferential merit. If you are interested, please get in contact with **Dr. Félix Prado** (felix.prado@cabimer.es).

To get more information about our group please go to:

<https://www.cabimer.es/web3/grupos-de-investigacion/integridad-y-funcion-de-la-cromatina/>

Selected publications:

1. María J. Cabello-Lobato, Cristina González-Garrido, María I. Cano-Linares, Ronald P. Wong, Aurora Yáñez-Vilches, Macarena Morillo-Huesca, Juan M. Roldán-Romero, Marta Vicioso, Román González-Prieto, Helle D. Ulrich and **Félix Prado**. Physical interactions between MCM and Rad51 facilitate replication fork lesion bypass and ssDNA gap filling through non-recombinogenic functions. **Cell R** (2021) In press; expected for July 27th
2. María I. Cano-Linares, Aurora Yáñez-Vilches, Néstor García-Rodríguez, Román González-Prieto, Pedro San-Segundo, Helle D. Ulrich and **Félix Prado**. Non-recombinogenic role for Rad52, Rad51 and Rad57 in translesion synthesis. **EMBO R** (2021) 22: e50410
3. Douglas Maya-Miles, Eloisa Andújar, Monica Pérez-Alegre, Marina Murillo-Pineda, Marta Barrientos-Moreno, María J. Cabello-Lobato, Elena Gómez-Marín, Macarena Morillo-Huesca and **Félix Prado**. Crosstalk between chromatin structure, cohesion activity and transcription. **Epigenetics & Chromatin** (2019) 12:47
4. Marta Barrientos-Moreno, Marina Murillo Pineda, Ana M. Muñoz-Cabello and **Félix Prado**. Histone depletion prevents telomere fusions in pre-senescent cells. **PLoS Genetics** (2018) 14:e1007407
5. Silvia Jimeno-Gonzalez, Laura Payán, Ana M. Muñoz-Cabello, Macarena Guijo, Gabriel Gutierrez, **Félix Prado** and José C. Reyes. Chromatin structure regulates RNA polymerase II elongation rate and co-transcriptional pre-mRNA splicing. **PNAS** (2015) 112:14840-14845
6. Marina Murillo-Pineda, María J. Cabello-Lobato, Marta Clemente-Ruíz, Fernando Monje-Casas and **Félix Prado**. Defective histone supply causes condensin-dependent chromatin alterations, SAC activation and chromosome decatenation impairment. **Nucleic Acid Research** (2014) 42:12469-12482
7. Román Gonzalez-Prieto, Ana Muñoz-Cabello, María J. Cabello-Lobato and **Félix Prado**. Rad51 replication fork recruitment is required for DNA damage tolerance. **EMBO J** (2013) 32: 1307-1321
8. Marta Clemente and **Félix Prado**. Chromatin assembly controls replication fork stability. **EMBO reports** (2009) 10: 790-796