

Publications in peer-reviewed scientific journals

* Equal contribution

- Structural Variation in Cancer: Role, Prevalence, and Mechanisms. Marco Raffaele Cosenza*, **Bernardo Rodriguez-Martin***, Jan O Korbel. Annual Review of Genomics and Human Genetics. 2022. DOI: 10.1146/annurev-genom-120121-101149
- Recurrent inversion polymorphisms in humans associate with genetic instability and genomic disorders. David Porubsky*, Wolfram Höps*, Hufsah Ashraf*, PingHsun Hsieh, **Bernardo Rodriguez-Martin** et al. Cell. 2022. DOI: 10.1016/j.cell.2022.04.017
- Aberrant integration of Hepatitis B virus DNA promotes major restructuring of human hepatocellular carcinoma genome architecture. Eva G Álvarez, Jonas Demeulemeester*, Paula Otero* et al. Nature Communications. 2021. DOI: 10.1038/s41467-021-26805-8
- Subclone Eradication Analysis Identifies Targets for Enhanced Cancer Therapy and Reveals L1 Retrotransposition as a Dynamic Source of Cancer Heterogeneity. Kirsi Ketola, Heidi Kaljunen*, Sinja Taavitsainen* et al. Cancer Research. 2021. DOI: 10.1158/0008-5472.CAN-21-0371
- Haplotype-resolved diverse human genomes and integrated analysis of structural variation. Peter Ebert*, Peter A Audano*, Qihui Zhu*, **Bernardo Rodriguez-Martin*** et al. Science. 2021. DOI: 10.1126/science.abf7117
- CDKN2A deletion is a frequent event associated with poor outcome in patients with peripheral T-cell lymphoma not otherwise specified (PTCL-NOS). Francesco Maura, Anna Doderò, Cristiana Carniti et al. Haematologica. 2020. DOI: 10.3324/haematol.2020.262659
- Pan-cancer analysis of whole genomes. PCAWG Consortium. Nature. 2020. Major contributor to section. DOI: 10.1038/s41586-020-1969-6
- Pan-cancer analysis of whole genomes reveals driver rearrangements promoted by LINE-1 retrotransposition in human tumours. **Bernardo Rodriguez-Martin**, Eva G. Alvarez*, Adrian Baez-Ortega* et al. Nature Genetics. 2020. DOI: 10.1038/s41588-019-0562-0
- Genomic landscape and chronological reconstruction of driver events in multiple myeloma. Francesco Maura, Niccolò Bolli, Nicos Angelopoulos et al. Nature Communications. 2019. DOI: 10.1038/s41467-019-11680-1
- Characterising Mutational Signatures in Human Cancer Cell Lines Reveals Episodic APOBEC Mutagenesis. Mia Petljak, Ludmil B. Alexandrov, Jonathan S. Brummel et al. Cell. 2019. DOI: 10.1016/j.cell.2019.02.012
- ChimPipe: accurate detection of fusion genes and transcription-induced chimeras from RNA-seq data. **Bernardo Rodriguez-Martin**, Emilio Palumbo, Santiago Marco-Sola et al. BMC Genomics. 2017. DOI: 10.1186/s12864-016-3404-9