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TEAM CRISPRIT

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Key publications

Year of publication 2019

Roberta Ragazzini, Raquel Pérez-Palacios, Irem H Baymaz, Seynabou Diop, Katia Ancelin, Dina Zielinski, Audrey Michaud, Maëlle Givelet, Mate Borsos, Setareh Aflaki, Patricia Legoix, Pascal W T C Jansen, Nicolas Servant, Maria-Elena Torres-Padilla, Deborah Bourc'his, Pierre Fouchet, Michiel Vermeulen, Raphaël Margueron (2019 Aug 28)

EZH1P constrains Polycomb Repressive Complex 2 activity in germ cells.

Nature communications : 3858 : [DOI : 10.1038/s41467-019-11800-x](https://doi.org/10.1038/s41467-019-11800-x)

Year of publication 2018

De Muyt A, Pyatnitskaya A, Andréani J, Ranjha L, Ramus C, Laureau R, Fernandez-Vega A, Holoch D, Girard E, Govin J, Margueron R, Couté Y, Cejka P, Guérois R, Borde V. (2018 Feb 1)

A meiotic XPF-ERCC1-like complex recognizes joint molecule recombination intermediates to promote crossover formation

Genes & Development : [DOI : 10.1101/gad.308510.117](https://doi.org/10.1101/gad.308510.117)

Year of publication 2017

Manuela Portoso, Roberta Ragazzini, Živa Brenčič, Arianna Moiani, Audrey Michaud, Ivaylo Vassilev, Michel Wassef, Nicolas Servant, Bruno Sargueil, Raphaël Margueron (2017 Feb 8)

PRC2 is dispensable for HOTAIR-mediated transcriptional repression.

The EMBO journal : [DOI : e201695335](https://doi.org/10.1093/emboj/cdk000)

Year of publication 2016

CRISPR-based Genetic Screen - CRISPRit

Marie Schoumacher, Stéphanie Le Corre, Alexandre Houy, Eskeatnaf Mulugeta, Marc-Henri Stern, Sergio Roman-Roman, Raphaël Margueron (2016 Jun 9)

Uveal melanoma cells are resistant to EZH2 inhibition regardless of BAP1 status.

Nature medicine : 577-8 : [DOI : 10.1038/nm.4098](https://doi.org/10.1038/nm.4098)

Year of publication 2015

Serena Sanulli, Neil Justin, Aurélie Teissandier, Katia Ancelin, Manuela Portoso, Matthieu Caron, Audrey Michaud, Berangère Lombard, Simao T da Rocha, John Offer, Damarys Loew, Nicolas Servant, Michel Wassef, Fabienne Burlina, Steve J Gamblin, Edith Heard, Raphaël Margueron (2015 Mar 5)

Jarid2 Methylation via the PRC2 Complex Regulates H3K27me3 Deposition during Cell Differentiation.

Molecular cell : 769-83 : [DOI : 10.1016/j.molcel.2014.12.020](https://doi.org/10.1016/j.molcel.2014.12.020)