

PUBBLICAZIONI IN RIVISTE INTERNAZIONALI CON REFERAGGIO

Lista aggiornata delle pubblicazioni disponibile a questi URL:

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ARTICOLI DI RICERCA come responsabile di gruppo di ricerca - (LAST/CORRESPONDING AUTHOR)

1. Pal K, Forcato M, Jost D, Sexton T, Vaillant C, Salviato E, Mazza EMC, Lugli E, Cavalli G, **Ferrari F**. Global chromatin conformation differences in the *Drosophila* dosage compensated chromosome X. *Nature Communications* 2019 Nov 25;10(1):5355.
2. Pal K, Tagliaferri I, Livi CM, **Ferrari F**. HiCBricks: building blocks for efficient handling of large Hi-C datasets. *Bioinformatics*. 2019 Nov 7. pii: btz808.
3. Forcato M, Nicoletti C, Pal K, Livi CM, **Ferrari F***, Bicciato S*. Comparison of computational methods for the analysis of Hi-C data. *Nature Methods*, 2017 Jul; 14(7):679-685. (* co-corresponding/co-last authors)
4. Puccio S, Grillo G, Liciulli F, Severgnini M, Liuni S, Bicciato S, De Bellis G, **Ferrari F***, Peano C*. WoPPER: Webserver for Position Related data analysis of gene Expression in Prokaryotes. *Nucleic Acids Res.*, 2017 July 3; 45(W1):W109–115. Epub 2017 Apr 29 (* co-corresponding/co-last authors)

ARTICOLI DI TIPO REVIEW come responsabile di gruppo di ricerca - (LAST/CORRESPONDING AUTHOR)

5. Hariprakash JM, **Ferrari F**. Computational biology solutions to identify enhancers-target gene pairs. *Comput Struct Biotechnol J*. 2019 Jun 14;17:821-831.
6. Pal K, Forcato M*, **Ferrari F***. Hi-C analysis: from data generation to integration (Review article) *Biophysical Reviews*, 2018 Dec 20 [Epub ahead of print]. doi: 10.1007/s12551-018-0489-1. (* co-corresponding/co-last authors)

ALTRI ARTICOLI DI RICERCA derivanti dal lavoro come responsabile di gruppo di ricerca

7. Atashpaz S, Samadi Shams S, Gonzalez JM, Sebestyén E, Arghavanifard N, Gnocchi A, Albers E, Minardi S, Faga G, Soffientini P, Allievi E, Cancila V, Bachi A, Fernández-Capetillo Ó, Tripodo C, **Ferrari F**, López-Contreras AJ, Costanzo V. ATR expands embryonic stem cell fate potential in response to replication stress. *Elife*. 2020 Mar 12;9. pii: e54756
8. Bianchi A, Mozzetta C, Pegoli G, Lucini F, Valsoni S, Rosti V, Petrini C, Cortesi A, Gregoret F, Antonelli L, Oliva G, De Bardi M, Rizzi R, Bodega B, Pasini D, **Ferrari F**, Bearzi C, Lanzuolo C. Dysfunctional polycomb transcriptional repression contributes to Lamin A/C dependent muscular dystrophy. *J Clin Invest*. 2020 May 1;130(5):2408-2421.
9. De Simone G, Mazza EMC, Cassotta A, Davydov AN, Kuka M, Zanon V, De Paoli F, Scamardella E, Metsger M, Roberto A, Pilipow K, Colombo FS, Tenedini E, Tagliafico E, Gattinoni L, Mavilio D, Peano C, Price DA, Singh SP, Farber JM, Serra V, Cucca F, **Ferrari F**, Orrù V, Fiorillo E, Iannaccone M, Chudakov DM, Sallusto F, Lugli E. CXCR3 Identifies Human Naïve CD8(+) T Cells with Enhanced Effector Differentiation Potential. *J Immunol*. 2019 Dec 15;203(12):3179-3189.
10. Brummelman J, Mazza EMC, Alvisi G, Colombo FS, Grilli A, Mikulak J, Mavilio D, Alloisio M, **Ferrari F**, Lopci E, Novellis P, Veronesi G, Lugli E. High-dimensional single cell analysis identifies stem-like cytotoxic CD8(+) T cells infiltrating human tumors. *J Exp Med*. 2018 Oct 1;215(10):2520-2535.

ARTICOLI DI RICERCA derivanti dal lavoro di dottorato o post-dottorato - PRIMO AUTORE

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12. Biagioli M*, **Ferrari F***, Mendenhall EM, Zhang Y, Erdin S, Vijayvargia R, Vallabh SM, Solomos N, Manavalan P, Ragavendran A, Ozsolak F, Lee JM, Talkowski ME, Gusella JF, MacDonald ME, Park PJ, Seong IS. Htt CAG repeat expansion confers pleiotropic gains of mutant huntingtin function in chromatin regulation. *Hum Mol Genet.*, 2015 May 1;24(9):2442-57. Epub 2015 Jan 8. (* equal contribution)
13. **Ferrari F***, Plachetka A*, Alekseyenko AA*, Jung YL, Ozsolak F, Kharchenko PV, Park PJ, Kuroda MI. "Jumpstart and gain" model for dosage compensation in *Drosophila* based on direct sequencing of nascent transcripts. *Cell Reports*, 2013 Nov 14;5(3):629-636 (* equal contribution)

14. Apostolou E*, **Ferrari F***, Walsh RM, Bar-Nur O, Stadtfeld M, Cheloufi S, Stuart HT, Polo JM, Ohsumi TK, Borowsky ML, Kharchenko PV, Park PJ, Hochedlinger K. Genome-wide interactions of the *Nanog* locus in pluripotency, differentiation and cellular reprogramming. *Cell Stem Cell*, 2013 Jun 6;12(6):699-712. (* equal contribution).
(This article was featured in a *Cell Stem Cell* "Preview" editorial commentary: "The 3D genome shapes up for pluripotency" published in the same journal issue, and it was also included among *Cell Stem Cell* 2013 highlights - <http://www.cell.com/cell-stem-cell/annual-highlights>)
15. **Ferrari F***, Jung YL*, Kharchenko PV, Plachetka A, Alekseyenko AA, Kuroda MI, Park PJ. Comment on "Drosophila dosage compensation involves enhanced Pol II recruitment to male X-linked promoters". *Science*, 2013 Apr 19;340(6130):273. (* equal contribution) (technical comment article: i.e. reanalysis challenging previous publication)
16. **Ferrari F**, Solari A, Battaglia C, Bicciato S. PREDA: an R-package to identify regional variations in genomic data. *Bioinformatics*. 2011 Sep 1;27(17):2446-7.
17. Coppe A*, **Ferrari F***, Bisognin A, Danieli GA, Ferrari S, Bicciato S, Bortoluzzi S. Motif discovery in promoters of genes co-localized and co-expressed during myeloid cells differentiation. *Nucleic Acids Res*. 2009; 37(2):533-49. Epub 2008 Dec 5. (*equal contribution).
18. **Ferrari F**, Bortoluzzi S, Coppe A, Sirota A, Safran M, Shmoish M, Ferrari S, Lancet D, Danieli GA, Bicciato S. Novel definition files for human GeneChips based on GeneAnnot. *BMC Bioinformatics*. 2007 Nov 15;8:446
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20. **Ferrari F**, Alekseyenko AA, Park PJ, Kuroda MI. Transcriptional control of a whole chromosome: emerging models for the molecular basis of dosage compensation. (Review article) *Nature Structural and Molecular Biology*, 2014 Feb;21(2):118-25.
21. **Ferrari F***, Apostolou E*, Park PJ, Hochedlinger K. Rearranging the chromatin for pluripotency. *Cell Cycle*, 2014 January 15; 13(2):167-168 Epub 2013, Nov 15 (editorial commentary) (* equal contribution)

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ARTICOLI DI CONFERENZE PUBBLICATI SU RIVISTA

48. Biasiolo M*, Forcato M*, Possamai L, **Ferrari F**, Agnelli L, Lionetti M, Todoerti K, Neri A, Marchiori M, Bortoluzzi S, Bicciato S. Critical Analysis of Transcriptional and Post-transcriptional Regulatory Networks in Multiple Myeloma. *Pacific Symposium on Biocomputing (PSB) 2010*. January 4-8, 2010. Big Island of Hawaii, USA.
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