



POST-DOCTORAL POSITION

DNA DAMAGE RESPONSE & TELOMERE MAINTENANCE

DIEGO BONETTI's lab - UNIVERSITY OF MILANO- BICOCCA, MILANO, ITALY

We are looking for an highly motivated candidate to join our research group. We are interested in deciphering how eukaryotic cells maintain genome stability by exploiting yeast *Saccharomyces cerevisiae* as a model organism. Two main mechanisms ensure genome stability: the response to alterations/lesions in DNA (DDR) and maintenance of telomeres, unique regions located at the end of chromosomes. When these processes fail, in fact, genome instability arises and it pushes towards the development of several pathologies, especially cancer.

Graf M, **Bonetti D**, Lockhart A, Serhal K, Kellner V, Maicher A, Jolivet P, Teixeira MT, Luke B (2017). *Telomere Length Determines TERRA and R-Loop Regulation through the Cell Cycle*. **CELL** Jun 29;170(1):72-85.e14. doi: 10.1016/j.cell.2017.06.006

Bonetti D, Villa M, Gobbin E, Cassani C, Tedeschi G, Longhese MP (2015). *Escape of Sgs1 from Rad9 inhibition reduces the requirement for Sae2 and functional MRX in DNA end resection*. **EMBO Reports** Mar;16(3):351-61. doi: 10.15252/embr.201439764

Bonetti D, Anbalagan S, Lucchini G, Clerici M, Longhese MP (2013). *Tbf1 and Vid22 promote resection and non-homologous end joining of DNA double-strand break ends*. **EMBO JOURNAL** Jan 23;32(2):275-89. doi: 10.1038/emboj.2012.327

CANDIDATE REQUIREMENTS

- PhD title
- Curious, open minded and interested in the topic
- Prior research experience on yeast cell biology is a "plus", but it is not mandatory

JOB DESCRIPTION

Starting date : as soon as possible from October 1st 2019 / 1-year contract (renewable)

Salary: according to University of Milano-Bicocca pay scale (25000 euro/year)

HOW TO APPLY

Please send your full application (CV, motivation letter, publications list) to:
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