



## Post-doctoral position

### *Molecular mechanisms linking transcription and DNA repair in eukaryotes*

**A three-year post-doctoral position** funded by a grant of the ANR (The French National Research Agency) coordinated by Dr. Julie Soutourina, is available from **January 2015** in the Genome transcriptional regulation group of the Institute of Biology and Technology Saclay, CEA/Saclay (Paris region, France).

The post-doctoral fellow will be in charge of the part of the on-going project on the molecular mechanisms linking transcription and DNA repair in eukaryotes. In particular, she/he will implement and develop advanced ChIP-sequencing-derived approaches. The project is based on our recent discovery of a novel Mediator role in transcription-coupled DNA repair via a direct contact of Mediator complex with a DNA repair protein (*Eyboulet et al. Genes & Development 2013; Soutourina & Werner, Cell Cycle 2014*). We propose that in addition to its fundamental coactivator role, Mediator complex acts beyond transcription. We aim to develop new concepts of the functional interplay between transcription and DNA repair coordinated by Mediator, two fundamental processes, dysfunctions of which lead to serious human diseases. We will use integrative approaches spanning yeast genetics, human cell biology, molecular biology, biochemistry, functional genomics and bioinformatics.

The successful candidate will have a PhD in molecular biology with solid background knowledge in genetics and functional genomics. We are seeking for highly motivated candidates interested in the deciphering how transcription and DNA repair are coordinated in eukaryotic cells on the genomic scale. The strong previous experience in ChIP-sequencing approaches will be important for this project. Skills in yeast genetics and functional genomics would be appreciated.

Interested candidates should contact Dr. Julie Soutourina at [julie.soutourina@cea.fr](mailto:julie.soutourina@cea.fr) and send a Curriculum Vitae, including past research experience and publication records, as well as a letter detailing their motivation and interest in our work. Applicants should also provide the names and contact details for two or three references and recommendation letters.

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