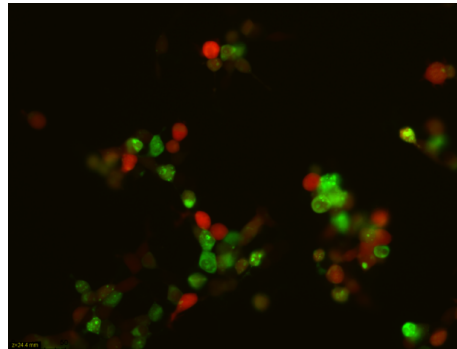# Engineer funded position (IE)

Novel Anti-Cancer Retro-Engineering strategy

A one year Ingénieur d'Etude (IE) position is available in the team "Ontogenesis and Molecular Interactions" at the IGFL (http://igfl.ens-lyon.fr/equipes/s.-merabet-ontogenesis-and-molecular-interactions) to elucidate the molecular mode of action of a novel molecule inhibiting the ERK pathway in cancer. The project relies on cutting-edge interactomic and imaging technologies for visualizing and capturing protein-protein interactions in live human cells. Candidates interested by technological and pharmacological development and experimented in imaging-based proteomics and cell biology are encouraged to apply.

A motivation letter, reference letter (two if possible) and CV can be sent to: samir.merabet@ens-lyon.fr

Selected publications:

- Yunlong Jia, Jonathan Reboulet, Benjamin Gillet, Sandrine Hughes, Christelle Forcet, Violaine Tribollet, Nawal Hajj Sleiman, Cindy Kundlacz, Jean-Marc Vanacker, Françoise Bleicher and Samir Merabet. A Live Cell Protein Complementation Assay for ORFeome-Wide Probing of Human HOX Interactomes. *Cells* 2023, 12, 200.
- Dard A, Jia Y, Reboulet J, Bleicher F, Lavau C, Merabet S. The human HOXA9 protein uses paralog-specific residues of the homeodomain to interact with TALE-class cofactors. *Sci Rep*. 2019 Apr 5;9(1):5664.
- Dard A, Reboulet J, Jia Y, Bleicher F, Duffraisse M, Vanaker JM, Forcet C, Merabet S. Human HOX Proteins Use Diverse and Context-Dependent Motifs to Interact with TALE Class Cofactors. *Cell Rep*. 2018 Mar 13;22(11):3058-3071.

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