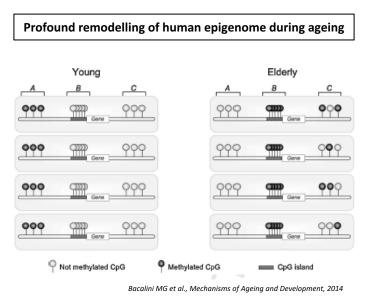
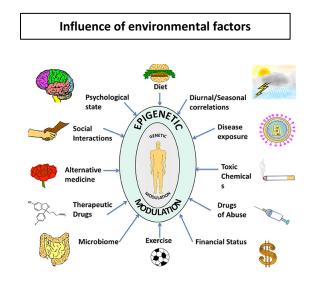
EPIGENETICS OF NUTRITION IN AGEING

Noémie Gensous, Maria Giulia Bacalini, Paolo Garagnani







Aims of the project: Identify and validate specific CpG targets affected by diet and exercise

- Identification of specific CpG targets, looking through publicly available cohorts and available datasets
- Special care provided to the relation to pathologic conditions : frailty and sarcopenia
- Validation of targets in our datasets, with gene-targeted analysis of DNA methylation, thanks to Sequenom® MassARRAY EpiTYPER platform



Effects of nutritional and physical interventions



- Set up of a **reduced version of Horvath's epigenetic clock** (Horvath S, Genome Biology, 2013) assessable with more quantitative methods
- Rejuvenation with nutritional and physical interventions?

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This project has received funding from the European Union's Horizon 2020 research and innovation Programme under the Marie Sklodowska-Curie grant agreement 657003





