Professor in synthetic biology

The UMR « Metabolic Genomics » (Evry), is looking to recruit a highly motivated professor to create and lead a new research team in order to strengthen its synthetic biology activities. Expertise in areas such as protein and metabolic engineering, metabolic design, in silico modelling of metabolic networks, will be considered with particular interest.

Teaching courses concerned :

Master's degree in Biology and Health, Computational biology, integrative biology and physiology, Université d'Evry-Paris-Saclay. Master's degree (M2) System and Synthetic Biology, Université d'EvryParis-Saclay
Bachelor's degree in Life Sciences. Double Bachelor's degree in Life Sciences and Computer Science.

Educational objectives :

The recruited Professor will be involved in the master's degree in **biology and health, computational biology, and in integrative biology and physiology, more particularly in the master's degree in System and Synthetic Biology (mSSB)**, for which the UEVE is the reference. He/she will also be involved in **bachelor's degree in Life Sciences and in double bachelor's degree Life Sciences - computer science**, specifically in molecular bioinformatics and/or functional genomics and/or biochemistry and/or molecular biology according to his/her CNU profile. Skills allowing taking charge of computational biology modules in the bachelor's degree cycle will be a plus.

Research

- Laboratory description :

The « Metabolic Genomics » (GM) unit is located in Evry (30 km south-east of Paris). With a total permanent staff of about 100 people (affiliated to CEA, CNRS and the University of Evry), the unit develops its research activities through three research poles : (1) Exploration of the diversity of living organisms through the analysis of genomes and meta-genomes, with a flagship project consisting of exploring marine eukaryotes, including those of the Tara-Oceans expedition; (2) In-depth

understanding of prokaryotic metabolism through combined bioinformatics and experimental approaches, in particular for the discovery of new chemical reactions catalysed by living organisms and their exploitation as an alternative to synthetic chemistry; (3) Diversification of the chemistry of living organisms through metabolic engineering / synthetic biology approaches.

- Activities :

The « Génomique Métabolique » research unit is seeking to recruit a highly motivated scientist to create and lead a new research group that will be established to reinforce its synthetic biology activities. In a very stimulating environment, the successful candidate will develop independent and high quality research programs in the field of “Synthetic biology” with a special focus on white biotechnology. Expertise in areas such as protein and metabolic engineering, synthetic design of metabolism, in silico modeling of metabolic networks, will be considered with special interest.
Research fields EURAXESS: R4 - Leading Researcher

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