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CQB - Biologie computationnelle et quantitative

Type: Research unit evaluation report

Evaluation campaign: 2017-2018 (group D) - **Published on:** 04/05/2018

Institution(s) concerned: Université Pierre et Marie Curie - UPMC , Centre national de la recherche scientifique - CNRS

Disciplinary research field: Life and Earth Sciences (SVE) ; Science and Technology (ST) ; SVE2 Cellular Biology, Imaging, Molecular Biology, Biochemistry, Genomics, Systemic Biology, Development, Structural Biology ; ST1 Mathematics

Scientific field(s): 5 - Biologie, medecine et santé ; 1 - Mathématiques et leurs interactions ; 4 - Chimie ; 9 - Sciences et technologies de l'information et de la communication ; 2 - Physique

ERC panel(s): PE6 Computer science and informatics: informatics and information systems, computer science, scientific computing, intelligent systems ; LS6 Immunity and infection: immunobiology, aetiology of immune disorders, microbiology, virology, parasitology, global and other infectious diseases, population dynamics of infectious diseases, veterinary medicine ; LS5 Neurosciences and neural disorders: neurobiology, neuroanatomy, neurophysiology, neurochemistry, neuropharmacology, neuroimaging, systems neuroscience, neurological disorders, psychiatry ; LS1 Molecular and Structural Biology and Biochemistry: molecular biology, biochemistry, biophysics, structural biology, biochemistry of signal transduction ; LS8 Evolutionary, population and environmental biology: evolution, ecology, animal behaviour, population biology, biodiversity, biogeography, marine biology, eco-toxicology, prokaryotic biology

Name of unit teams: Analytical Genomics ; Genomics Physics ; Genetic Networks ; Biology of Genomes ; Pathogen Evolution ; Mathematical Modelling in Biology ; Statistical Genomics and Biological Physics ; Genetic Code Reprogramming and Synthetic Biology

Keywords: Computational biology ; mathematical and physical modelling of complex biological systems ; genetics ; evolution ; synthetic biology ; ST2 ; SVE3 ; ST4 ; ST6



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