EVALUATION REPORTS | EN

IdV - Institut de la vision

Type: Research unit evaluation report

Evaluation campaign: 2017-2018 (group D) - **Published on:** 30/05/2018

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

Disciplinary research field: Life and Earth Sciences (SVE) ; Science and Technology (ST) ; SVE4 Neuroscience ; ST1 Mathematics

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

ERC panel(s): LS5 Neurosciences and neural disorders: neurobiology, neuroanatomy, neurophysiology, neurochemistry, neuropharmacology, neuroimaging, systems neuroscience, neurological disorders, psychiatry ; LS6 Immunity and infection: immunobiology, aetiology of immune disorders, microbiology, virology, parasitology, global and other infectious diseases, population dynamics of infectious diseases, veterinary medicine ; LS3 Cellular and Developmental Biology: cell biology, cell physiology, signal transduction, organogenesis, developmental genetics, pattern formation in plants and animals ; LS4 Physiology, Pathophysiology and Endocrinology: organ physiology, pathophysiology, endocrinology, metabolism, ageing, regeneration, tumorigenesis, cardiovascular disease, metabolic syndrome ; LS7 Diagnostic tools, therapies and public health: aetiology, diagnosis and treatment of disease, public health, epidemiology, pharmacology, clinical medicine, regenerative medicine, medical ethics

Name of unit teams: ROLE OF AXON GUIDANCE MOLECULES ; RETINAL DEVELOPMENT AND REPAIR: USE OF PLURIPOTENT STEM CELLS ; DEVELOPMENT AND FUNCTION OF THE VERTEBRATE VISUAL SYSTEM ; NEUROGENESIS AND CIRCUIT DEVELOPMENT ; MECHANISMS OF SENSORY MAP DEVELOPMENT ; IDENTIFICATION OF GENE DEFECTS LEADING TO NON-PROGRESSIVE AND PROGRESSIVE OCULAR DISEASES ; METABOLIC AND REDOX SIGNALING OF THE NUCLEOREDOXIN-LIKE-1 GENE FOR THE TREATMENT OF GENETIC RETINAL DISEASES ; VISUAL INFORMATION PROCESSING, RETINAL PHARMACOTOXICITY AND NEUROPROTECTION ; VISION AND NATURAL COMPUTATION ; NEUROPHYSIOLOGY AND OPTOGENETIC APPLICATIONS IN THE RETINA ; NEUROSCIENCE OF NEURON/GLIA/VESSEL INTERACTIONS ; ROLE AND MODULATION OF CHEMOKINES IN THE PATHOPHYIOLOGY OF THE ANTERIOR SEGMENT OF THE EYE ; PHYSIOLOGY OF THE RETINAL PIGMENT EPITHELIUM AND ASSOCIATED DISEASES ; INFLAMMATION, DEGENERATION AND VASCULAR REMODELLING IN RETINAL DISEASES ; GENE THERAPIES AND ANIMAL MODELS FOR NEURODEGENERATIVE DISEASES ; AGING IN VISION AND ACTION ; COMPUTATIONAL NEUROSCIENCE OF SENSORY SYSTEMS ; WAVEFRONT ENGINEERING MICROSCOPY ; HOLOGRAPHIC MICROSCOPY

Keywords: VISION ; SENSORY DISEASES ; THERAPY ; TRANSLATIONAL RESEARCH ; REHABILITATION ; SVE6 ; ST6

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