



ISTITUTO PASTEUR ITALIA
FONDAZIONE CENCI BOLOGNETTI

Key words for applicants and reviewers

Molecular interactions
General biochemistry and metabolism
DNA synthesis, modification, repair, recombination and degradation
RNA synthesis, processing, modification and degradation
Protein synthesis, modification, processing and turnover
Lipid synthesis, modification and turnover
Carbohydrate synthesis, modification and turnover
Structural biology
Biochemistry and molecular mechanisms of signal transduction

Genomics, comparative genomics, functional genomics
Transcriptomics
Proteomics
Metabolomics
Glycomics
Molecular genetics, reverse genetics and RNAi
Epigenetics and gene regulation
Bioinformatics
Computational biology
Systems biology
Biological systems analysis, modelling and simulation

Cell biology and molecular transport mechanisms
Cell cycle and division
Cell metabolism
Apoptosis
Autophagy
Cell differentiation, physiology and dynamics
Cell to cell communication
Organelle biology
Cell signalling and cellular interactions
Development, developmental genetics,
Stem cell biology

Molecular mechanisms of communicable and non-communicable diseases
Cancer and its biological basis
Neurobiology,
Neurophysiology,
Molecular and cellular neuroscience
Innate immunity and inflammation
Adaptive immunity
Immunosignalling
Immunogenetics
Microbiology
Virology
Bacteriology
Parasitology

Host-pathogen interaction
Prevention and treatment of infections
Biological basis of inflammatory and degenerative disorders

Drug design and discovery
Drug therapy
Gene therapy
Cell therapy
Regenerative medicine