

CSIC-UIMP Master in Molecular and Cellular Integrative Biology

MCIB (2018-2020) – EXPRESSION OF INTEREST

Please send the filled-in form to mcib@cib.csic.es before May 31, 2018

Optional – this is not a formal inscription

1. Name:

2. Email / phone:

3. Nationality:

4. Degree / University:

5. Background (mark the appropriate ones):

- Chemistry
- Biology
- Biotechnology
- Physics
- Engineering
- Other

6. Indicate your interests in the following areas covered in MCIB (3: high; 2: intermediate; 1: low)

- 3DMOLBIOCHEM: Structural, Molecular and Chemical Biology (*):
- CELLBIOMED: Cell Biology and Molecular Medicine (**):
- BIOTEC: Molecular and Systems Biotechnology (***):

7. If you have any questions or comments, please indicate:

(*) **3DMOLBIOCHEM: Structural, Molecular & Chemical Biology.** Protein science: structural biochemistry; molecular interactions; macromolecular machines; self-organization. Synthesis and modification of biological macromolecules. Integrated structural biology and biophysics: NMR, crystallography and EM. Computational biology. Chemical biology: molecular recognition; combinatorial chemistry.

(**) **CELLBIOMED: Cell Biology and Molecular Medicine.** Internal organization of the cell: bioenergetics; membrane traffic; cell cycle and division; autophagy; cell death. Physiology and pathophysiology: model systems in biomedicine; cancer; neurodegenerative diseases. Immunity and infection: host-pathogen interactions. Medicinal chemistry and drug design.

(***) **BIOTEC: Molecular and Systems Biotechnology.** Environmental biotechnology: bioremediation and biodegradation. Synthetic (micro)biology and metabolic engineering. Bioreactors and applied microbiology. Protein biotechnology: Purification strategies. Nano-biotechnology. Biomimetics. Applied plant biology.