



UNIVERSITÀ
CATTOLICA
del Sacro Cuore

Dipartimento di Neuroscienze
Sezione di Anatomia Umana

Post-doctoral Position

The group headed by prof. Claudio Sette (**Department of Neuroscience, Catholic University of the Sacred Heart, Rome**) is looking for highly motivated candidates to be enrolled as post-doctoral fellows.

Our group works on pathways that regulate mRNA processing and gene expression in cancer and neurological diseases and investigates the therapeutic potential of RNA processing modulation in human diseases. Translational potential of such approaches is currently investigated through the development and usage of cancer patient-derived organoid models and mouse models of human neurodegenerative diseases.

Candidates with passionate interest in translational cell biology and a pro-active collaborative attitude are invited to apply.

Candidates must hold a PhD degree in a relevant biomedical discipline. Prior research experience in cellular and molecular biology is requested. Experience with murine models and bioinformatics skills, related to transcriptomic analysis will be considered a plus.

Interested candidates might feel free to send us their CV and contact us for further details at the following address: claudio.sette@unicatt.it.

Selected References:

Farini D, Cesari E, Weatheritt RJ, La Sala G, Naro C, Pagliarini V, et al. A Dynamic Splicing Program Ensures Proper Synaptic Connections in the Developing Cerebellum. *Cell Rep.* **2020** 31(9):107703.

Pagliarini V, Jolly A, Bielli P, Di Rosa V, De la Grange P, Sette C. Sam68 binds Alu-rich introns in SMN and promotes pre-mRNA circularization. *Nucleic Acids Res.* **2020** 48(2):633-645. doi: 10.1093/nar/gkz1117.

Caggiano C, Pieraccioli M, Panzeri V, Sette C, Bielli P. c-MYC empowers transcription and productive splicing of the oncogenic splicing factor Sam68 in cancer. *Nucleic Acids Res.* **2019**; 47:6160-71.

Naro C, Pellegrini L, Jolly A, Farini D, Cesari E, Bielli P, de la Grange P, Sette C. Functional Interaction between U1snRNP and Sam68 Insures Proper 3' End Pre-mRNA Processing during Germ Cell Differentiation. *Cell Rep.* **2019**; 26:2929-2941.e5

Bielli P, Panzeri V, Lattanzio R, Mutascio S, Pieraccioli M, Volpe E, et al. The Splicing Factor PTBPI Promotes Expression of Oncogenic Splice Variants and Predicts Poor Prognosis in Patients with Non-muscle-Invasive Bladder Cancer. *Clin Cancer Res.* **2018**; 24:5422-5432.