



The ***i-Bio*** initiative of [Sorbonne University](#) aims to promote biological research through the application of approaches and concepts from other disciplines, such as from mathematics, physics, chemistry, engineering and computer science. **For 2021, *i-Bio* is offering 4 PhD positions** that cover a wide range of interdisciplinary research topics. Besides their work in the laboratory, PhD students will benefit from a variety of educational programs and access to top quality research facilities, training initiatives, international partnerships and conferences.

**A PhD position is now open in the [Poncer Lab](#) at [Institut du Fer à Moulin \(Paris\)](#) in collaboration with the [Acher Lab at CNRS/Univ. of Paris](#).** The project will combine i) advanced molecular modelling and virtual screening to design novel chemical compounds targeting neuronal chloride transport and ii) *in vitro* and *in vivo* biological assays in order to evaluate their therapeutic potential in epilepsy.

The candidate should hold a master degree or equivalent at the time of application and have a **background in bioinformatics and pharmaceutical chemistry** as well as notions of cellular biology and biochemistry, and be fluent with programming in Matlab or equivalent. Additional training in cellular and molecular biology as well as electrophysiology will be provided through the *i-Bio* training program. Specific training in molecular modelling and virtual screening tools (Discovery Studio; Dassault Systemes BIOVIA) will be provided through an active collaboration of F. Acher with Dassault Systemes.

**Candidates are encouraged to rapidly contact [JC Poncer](#) or [F Acher](#) for details on this collaborative PhD project and the *i-Bio* PhD program.**

Deadline for formal application to *i-Bio* PhD program is **February 26, 2021**.