



Accepting Applications - Students and Postdocs Quorum Sensing: Its role in Bacterial-Host Communication



Our Laboratory is accepting applications for a **Research Fellowship** with the possibility to continue as PhD student and a **Postdoctoral Fellowship**. We use a combination of genetics, biochemistry and immunology approaches to study inter-species bacterial communication and its role in bacteria-host interactions. This allows us to have an integrative approach from molecules to circuits, to understand bacterial behaviour.

Ongoing projects in the laboratory include:

- 1 – The role of Bacterial Communication in the microbiota of mice gut.
- 2 – Identification of new inter-species Quorum Sensing signals in bacterial pathogens.
- 3 – Signal transduction mechanisms used by *Escherichia coli* to integrate Quorum Sensing with environmental cues.

See research summary at: <http://www.hhmi.org/news/iecs20120124.html>

Our Location - Our laboratory is situated in the Oeiras Campus – Lisbon – Portugal. Our campus has a strong interdisciplinary environment, enthusiastic critical mass and great research facilities. Research areas in the campus range from different aspects of Biomedical sciences, and other basic and applied aspects of Biology and Chemistry. Check the institutes websites: IGC (<http://www.igc.gulbenkian.pt/>) and ITQB (<http://www.itqb.unl.pt/>). Our research is currently being sponsored by an **International Early Career Scientists grant from Howard Hughes:**

http://www.hhmi.net/research/iecs/xavier_bio.html

Candidates should be highly motivated, with a record of excellence and willing to work in an interdisciplinary environment.

To apply send your CV, a motivation letter, and contact information for two references to: Karina B. Xavier – email: kxavier@igc.gulbenkian.pt.