

In our group in King's College London (sapienzalab.org), we study light generation and interaction within nanoscale complex photonic systems, a combination of nano-optics, quantum optics and lasing science. We are now looking to recruit two postdocs to study:

1. Biocompatible random lasing - 2 year Postdoctoral Research Position (Deadline for applications 13th October 2015)

You will fabricate new disordered biomaterials (biopolymers and proteins such as natural silk) and observe lasing from them, to form the basis of new-generation bio-sensors. For more information go to: <http://www.jobs.ac.uk/job/ALZ390/post-doctoral-research-associate-in-bio-compatible-random-lasing-in-the-department-of-physics/>

[<http://sapienzalab.org/publications/>]

2. Hyperuniform photonic networks - 3 year Postdoctoral Research Position

You will study how single emitters can be controlled and boosted in nanophotonic and hyperuniform networks, combining network theory with nanophotonics, with a view to quantum optics at the nanoscale. This is collaborative project with Dr. Marian Florescu (University of Surrey, UK).

[see also <http://arxiv.org/abs/1508.04276>]

Please contact Dr. Riccardo Sapienza, Riccardo.Sapienza@kcl.ac.uk, for more information.