Subject: Open Position for Theoretical Postdoctoral Research Fellow

We are looking for a Postdoctoral Research Fellow to lead the theoretical effort in a multiyear, multidisciplinary project recently funded by the Keck foundation ([http://www.wmkeck.org/](http://www.wmkeck.org/)). The project combines vector light with designed nanostructures to control and interrogate novel aspects of plasmonics and nano-optics. The project is a collaboration among four faculty members from the schools of engineering and physical sciences at UCI (see below).

The candidate is expected to conduct theoretical research in nanoscale microscopy, near and far-field super resolution scanning probe microscopy, nano optics, plasmonics, near-field and structured light interaction with dark states of matter (e.g., in molecules and quantum dots). Extensive experience in the above theoretical areas is required, especially in nano optics and plasmonics.

The Fellow will work in a multi-disciplinary team made of the PIs, another Research Fellow who will lead the experimental aspects of the project, along with PhD students from both Chemistry and Engineering.


You are encouraged to inquire about the nature of the project by writing to any of the professors below. Send your application material by email to prof. Capolino. Application should include (i) CV, (ii) publications, (iii) a list of referees for recommendation letters (even better if you include them in the application.), and (iv) a brief statement of work and purpose.

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