

Postdoc: *Semiconductor Nanowire Photovoltaics*

Research / Job description	<p>A postdoc position in the area of nanowire photovoltaics is available in the group <i>Surface Photonics</i> at the FOM-Institute for Atomic and Molecular Physics.</p> <p>In this project we will study scattering and absorption of light in single semiconductor nanowires and ensembles of nanowires. Our main goal is to optimize light harvesting in these nanostructures for photovoltaic applications. For this purpose we will use several experimental techniques, e.g., confocal microscopy, ellipsometry, photoluminescence and electroluminescence.</p> <p>This project will be carried out in collaboration with the Photonic Semiconductor Nanodevices group of the Eindhoven University of Technology and Philips Research.</p>
About the group	<p>The group <i>Surface Photonics</i> is located at Philips Research Laboratories in Eindhoven. One of the goals of the group is to mediate the knowledge transfer between the AMOLF and Philips Research. The postdoc will be located in Eindhoven (The Netherlands).</p>
Required qualifications	<p>You have completed (or will shortly complete) your PhD in Physics or equivalent, preferably with experience in the fields of nanophotonics or photovoltaics.</p>
Terms of employment	<p>The position is intended as full-time (38 hrs / week, 12 months / year) appointment in the service of Foundation for Fundamental Research on Matter (FOM) for the duration of two years. AMOLF assists any new foreign employees with housing and visa applications and compensates their transport costs and furnishing expenses.</p>
For further information please contact	<p>Prof. dr. Jaime Gómez Rivas E-mail: rivas@amolf.nl Phone: +31 (0) 40-2742349</p>
Applications can be send to	<p>FOM Institute AMOLF Personnel dept. Postbus 41883 1009 DB Amsterdam , The Netherlands application@amolf.nl (cc. rivas@amolf.nl)</p> <p>Please send your:</p> <ul style="list-style-type: none">- Resume;- Motivation on why you want to join the group (max. 1 page). <p>Applications without this motivation will not be taken into account.</p>