

## **PV Physicist/Device Engineer**

*Competitive compensation package with ability to participate in the company share option plan; Manchester, UK*

Reporting to the Optoelectronics Group Leader, you will carry out research to develop devices and processes for inorganic thin film PV cell manufacturing, using Nanoco's proprietary technology to fabricate the photo-active layers. You will work closely with material scientists/chemists and device physicists/engineers and be involved in developing, fabricating and characterising photovoltaic (PV) devices in a laboratory environment. You will have a hands-on approach and be involved in designing experiments, carrying them out in the laboratory, analysing and sharing the results and the setting up and procurement of metrology techniques.

You will need to hold a Ph.D. in a technical field such as Physics, Electrical Engineering, Materials Science or Physical Chemistry and have at least three years expertise in the field of inorganic thin film (or similar) solar cell technology, with experience and expertise in analysing inorganic thin films.

You will have experience in the development of thin film devices using vacuum, spin coating and/or other solution printing techniques, and experience with thin film growth and selenisation processes. Experience in optics and nanotechnologies and of working in a clean-room environment would be an asset; as would experience in materials preparation, application and testing as well as knowledge and practice in statistics and design of experiments.

You will have demonstrated an aptitude for innovative, problem solving and an understanding beyond technology area boundaries.

You should have a high level of motivation with good organizational skills, strong IT skills and a flexible attitude. You should be capable of working in a multi-discipline development team in a rapid paced environment with the ability to meet scheduled deadlines. You should also have strong communication skills, be accustomed to participating in team based technical problem solving and have the ability to leverage internal and external capabilities by working closely with people from other technical disciplines. In addition this role will require; leadership, co-ordination, planning, priority management and enthusiasm.

Nanoco Technologies Limited is the wholly owned subsidiary of London Stock Exchange AIM listed Nanoco Group PLC and is a leading nanotechnology company developing and producing fluorescent semi-conducting nano materials called quantum dots. Established in 2001, Nanoco has grown rapidly by working in close collaboration with leading quantum dot application developers around the world.

This is an outstanding opportunity to be part of a dynamic environment where your contribution will earn full recognition and reward.

We are proud to promote an open culture, encouraging people to be themselves and giving their ideas a chance to flourish.

Qualified candidates should submit a CV and covering letter to Human Resources by email:  
[hr@nanocotechnologies.com](mailto:hr@nanocotechnologies.com);

*Because of the changing nature of our business your job description will inevitably change. You will, from time to time, be required to undertake other activities of a similar nature that fall within your capabilities as directed by management*

**NO AGENCIES PLEASE**