



London Technology Network
Ideas into Action

Accessing unique expertise via LTN technology matching

Nanotechnology/Life Science



Imperial College
London



UniS
University of Surrey



C A S E S T U D Y 8

Nanotechnology/Life Science

Trace analysis company Mesophotonics made contact with LTN to broaden the application of their products – the beginning of a relationship that has seen three successful collaborations with universities across London and the South-East.

When Mesophotonics' R&D manager Majd Zoorob met London Technology Network, the Southampton-based company was seeking pharmaceutical applications for their novel product – an advanced sensor technique. LTN's technology team helped refine Mesophotonics' technology request and presented a list of academics working in the field. From that report the company chose two researchers: Tony Cass and Rachel McKendry. Contact with Tony Cass of the Institute of Biomedical Engineering (Imperial College London) has led to an ongoing research collaboration, with Tony developing new applications for the Surface Enhanced Raman Spectroscopy (SERS) technique. Rachel McKendry of the London Centre for Nanotechnology (University College London), provided an evaluation of their technology's application in the medical industry. By this stage Majd sought further assistance – to help analyse their sensors in new ways. The product has a vast array of applications across numerous fields – and so the request was handed over from LTN's Life Science team, to the Physical Science team. The new request was sent out to LTN's broad network of academic contacts – resulting in successful contact being made with Richard Curry of the Advanced Technology Institute (University of Surrey). Mesophotonics are now able to access the facilities of the University's Focus Ion Beam (FIB) to further develop the technology. Majd said without LTN, making contact with the right people would have taken much longer. "It really helped narrow down the options, rather than looking blindly and working for a couple of months with people and finding that they are not the right match. LTN really helped us optimise the searching. And it's nice to have a Technology Analyst in the area you want to penetrate. Because we have a language barrier between the two technologies – we're physicists and they're biologists. You would like someone in the middle – which LTN provided."

For more information on LTN and how we can help your business, contact:

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