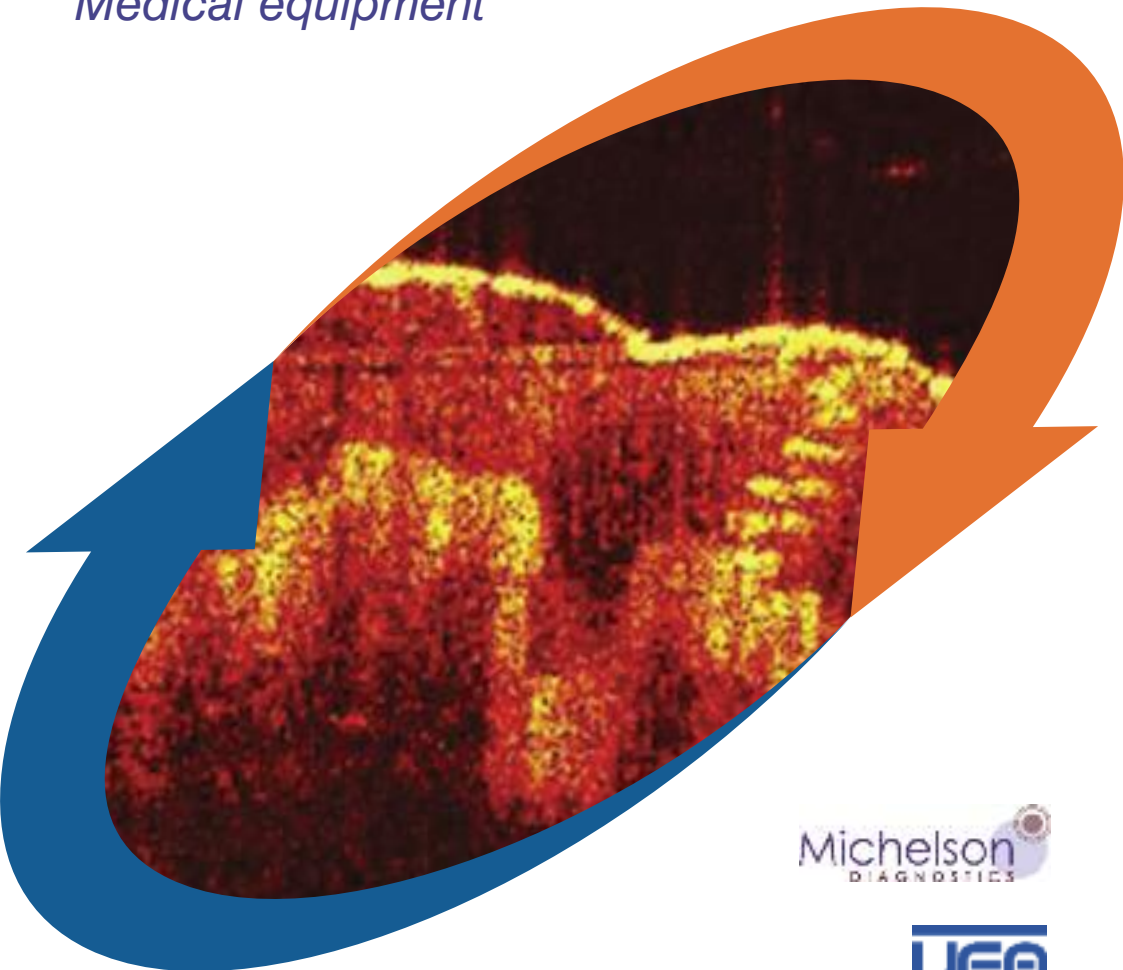




London Technology Network
Ideas into Action

Accessing unique expertise via LTN networking event

Medical equipment



CASE STUDY 25

Medical equipment

Leading Kent-based healthcare company Michelson Diagnostics Ltd. sought experts to test their innovative microscope and found the right contact at an LTN networking event.

Michelson Diagnostics (MDL) is a healthcare company offering cutting-edge imaging technology and manufactured a unique microscope which required specialised testing.

Jon Holmes, CEO of MDL, attended an LTN networking event on the latest healthcare technologies in 2007, making contact with LTN Business Fellow Dr. Rudy Lapeer. LTN events are a key opportunity for businesses to meet experts in the field: the invitation-only, sector-focused events are attended by industrial and academic representatives alike, with the very best innovation on display.

Lapeer saw an immediate opportunity for researchers at the University of East Anglia, as MDL's Optical Coherence Tomography (OCT) microscope seemed to solve a major challenge. Lapeer had been working for a number of years on the simulation of open and plastic surgery, and a vital part of this work is being able to determine the material properties and structure of human skin. This cannot be done using conventional microscopes, which do not provide enough light to penetrate the skin layer, nor with electron microscopes, which are too cumbersome to operate in short periods of time.

Tests performed at the University of East Anglia proved that Michelson's OCT microscope was able to reveal the internal structure of the epidermis and dermis both across and along the skin surface.

Jon Holmes said: "Imaging sub-surface skin tissue structure is an ideal application for our technology and products."

Lapeer credits LTN with the successful collaboration: "Although we have been looking at other OCT companies I hadn't come across MDL before. It was thanks to LTN that we found out about them at the right time."

For Dr. Lapeer, working with companies has become easier since his Business Fellow training. Business Fellows are hand-picked researchers at the top of their field, trained by LTN to improve their interaction with industry. "The training was definitely very useful ... I have communicated with over 30 companies in the last year."

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

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