



Alex Sheppard

Assistant General Manager

LIG Technologies

<http://www.lig-tech.com>

Bilateral Meetings

- Thursday (1:30pm - 6:00pm)
- Friday (9:00am - 12:00pm)
- Friday (12:00pm - 4:00pm)

Description

LIG Technologies is a Manchester based startup with close links to the University of Manchester, boasting a unique blend of expertise in laser engineering and biotechnology. The company has utilised its team of world class researchers to generate unrivalled technological advancements in a number of fields. LIG Technologies is a holding company which oversees three subsidiary companies and their research specialisms; microscopy (LIG Nanowise), antibacterial nanoparticles (LIG Biowise) and 3D printing (LIG 3D). All three subsidiary companies have won several Innovate UK SMART awards in the last 2 years based on their groundbreaking research and each is targeting fast growth. LIG Nanowise's proprietary technologies in microscopy have broken the optical diffraction limit and the company has the capability to improve the magnification at the nano level of typical optical microscopes by 2 to 3 times. LIG Biowise's focus is on the generation of unique antimicrobial nanoparticle formulations to help tackle the global problem of antibiotic resistance. The company has developed coatings and sprays targeted at infection prevention in hospitals and is currently working towards solutions in diagnostics and drug delivery. These technologies will utilise complex nanomaterials to improve healthcare provision and combat drug resistant microorganisms. LIG 3D was born out of the company's expertise in laser technology and is currently working on a multi-material 3D printing project.

Organization Type

Company

Organization Size

1-10

Phone

0161342 0515

Email

alex.sheppard@lig-tech.com

Country

United Kingdom

City

Manchester, Unit 11 and 11a, Williams House, Manchester Science Park [Google map](#)

Request

Collaborative R&D Projects on Antimicrobial Resistance

We would like to collaborate on R&D projects with a view towards Horizon 2020 funding centered around the problem of antimicrobial resistance. We have expertise in researching diagnostics, infection prevention and treatment.

Keywords: Horizon 2020 Antibiotic Resistance Nanoparticles

Cooperation Requested

1. Investment/Financing
2. License agreement
3. Technical co-operation

Offer

Super resolution optical microscopes

We have developed a means of improving the resolution of regular optical microscopes by between 2 and 3 times. We can offer to install our technology into existing microscope systems used in life sciences applications

Keywords: Life Sciences Microscopy Super Resolution

Cooperation Requested

1. Sales / Distribution
2. License agreement
3. Technical co-operation

Offer

Nanoparticle Supply

We can provide nanoparticles of various materials and structural complexity to companies interested in carrying out research in nanotechnology.

Keywords: Nanoparticles Nanotechnology Research

Cooperation Offered

1. Sales / Distribution
2. License agreement
3. Technical co-operation