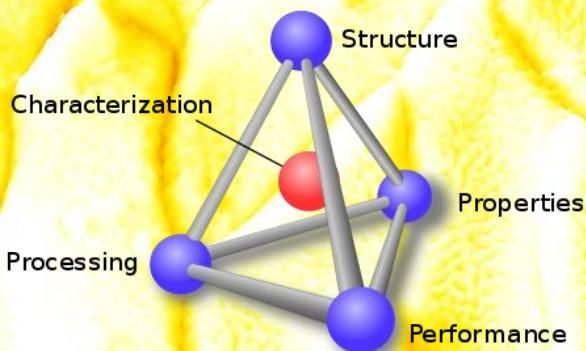


We have a wide range of equipment and expertise that can meet your requirements.

Facilities include:

- Atomic force microscopy (AFM)
- High-throughput optical microscopy and live cell imaging
- Video microscopy
- Infra-red (FTIR) / Near-infrared / Raman / UV-Vis spectroscopy
- FTIR microscopy
- Spray drying / Lyophilisation
- Electrospinning / Electrospinning
- Particle sizing (DLS / NTA)
- Product texture analysis (PTA)
- Contact angle goniometry (CAG)
- Thermal analysis (TGA / TM-DSC)
- Surface / interfacial tension measurements
- Synthetic chemistry and formulation facilities
- Access to other techniques (NMR, GPC / SEC, rheology) available



Biomaterials Research Laboratory
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White Swan Road
Portsmouth PO1 2DT
UK

For more info or advice
please contact us:

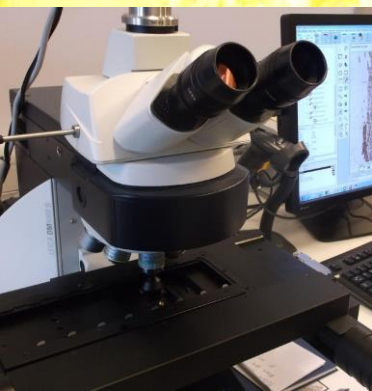
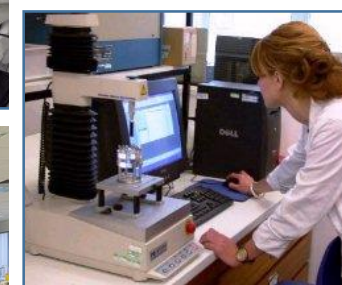
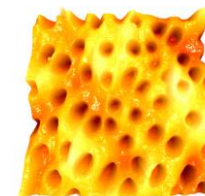
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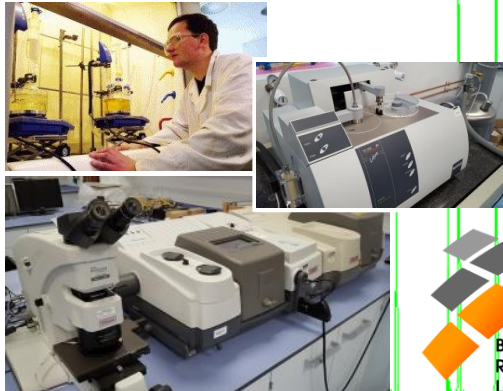


Providing commercial access to our excellent facilities and expertise in biomaterials and material characterisation techniques



What we can offer:

- **Films and surface analysis** (contact angle goniometry, spectroscopic analysis, optical microscopy, *atomic force microscopy*)
- **Analysis of polymeric biomaterials** including gels, thermoplastics, thermosets, elastomers (spectroscopic, thermal)
- **Analysis of powders and colloidal suspensions** (stability, particle sizing)
- **Product texture analysis** (pharmaceuticals, foods, cosmetics)
- **Product thermal characterisation** (stability, identification, quality control)
- **Product performance and stability investigations; formulation and optimisation** (requiring dialysis, freeze-drying, or spray drying)



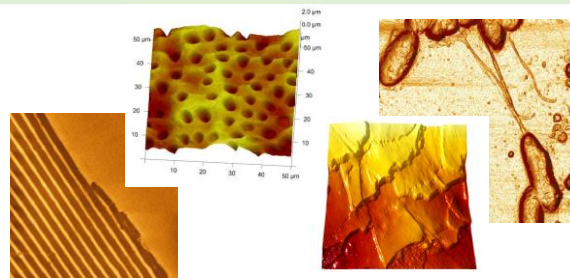
Atomic Force Microscopy

We have over 25 years of research experience in AFM and a strong track record in working with large companies.

Previous clients include: Alberto-Culver, BASF, Croda, GE Oil & Gas, Kao (Japan/Germany), Laporte, L'Oreal, Natura (Brazil), Oculus, Procter & Gamble, Teledyne, Wesley-Jessen

AFM applications areas include:

- Topography and morphology
- Nanoscale imaging
- Adhesion / stiffness mapping
- Surface roughness
- Microscale friction
- Biocide efficacy imaging
- Hair analysis
- Before-and-after treatment imaging



Ways of working...

To meet your needs, we are flexible in the way we work. From off-the-shelf solutions to a bespoke service, we can offer lab testing, problem solving, consultancy work and contract R&D. For more demanding research and product development projects we offer longer term partnerships and collaborative research.

You may also be attracted to a scheme where your employee enrolls at the University for an MPhil/PhD whilst working at your company; this is a very cost-effective, win-win approach, where you can make use of our facilities and have access to our expertise. Please contact us for further details.

