



ShimyaTech Presents

NanoMaterials & NanoBiomaterials

Fundamentals and insights into the future innovations

One-Day Introductory Academic/Industry Workshop

Wednesday 20th November 2019

Registration:

£120 for graduates and professionals

£80 for students

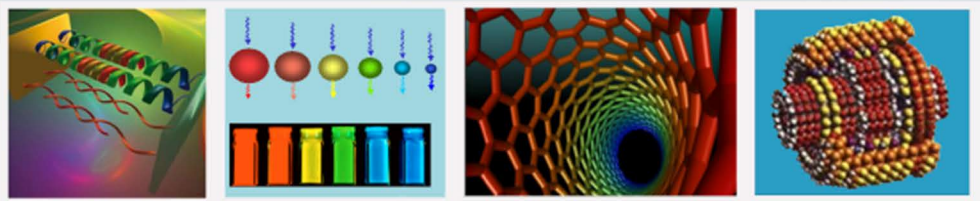
Included in the registration:

lunch and refreshments, teaching materials,
certificate of attendance

To register please email:

shimyatech@gmail.com

Deadline for registration: 10th November 2019



Shimyatech Limited

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With contributions by scientists from:

University of Liverpool

Liverpool John Moores University

Keele University

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Innovative Solutions to Global Challenges

ShimyaTech Ltd Nano/ Bio Science & Technology

Catching up with the accelerated rate of advances in new and innovative science engineering technologies and methods is a MUST for firms, professionals (e.g engineers, scientists, technicians) and young generation who seek high profile jobs in R&D and industry. ShimyaTech, a leading Nanoscience and Nanotechnology research and development firm, is presenting this introductory workshop as part of its training and educational programmes.

Who should attend

The workshop suits those with basic to medium knowledge background and/or experience in Physical and Biological Sciences, and will be of great use to:

- Undergraduate and graduate students in Science, Engineering & Medical Sciences
- Industry scientific/technical staff seeking for further skills
- R&D Scientists and Innovators

Objectives

- Giving the attendees an overview and insight into the fundamentals of Nanotechnology
- Introducing to the potentials of Nanomaterials (NMs) and NanoBioMaterials (NBMs) applications and their impacts on the future of medical & industrial innovations
- Assisting the participant with identifying the paths for individuals or firms to find new opportunities in NBMs

Workshop Main Topics:

A. Introduction to NMs & NBMs

1. Introduction to Nanoscience & Nanotechnology
2. Synthesis & characterisation of nanomaterials (NMs)
3. Nanomaterials for biological sciences (NBMs)
4. Current and future marketing aspects

B. Applications in Nanomedicine and Biomedical Engineering

1. NMs & NBMs in Drug Delivery; diagnosis and therapies in cancer and brain diseases;
2. Detection and prevention of infection;
3. Bioimaging for medical diagnosis;
4. Surface modification of implants by new types of peptides
5. Solid lipid nanoparticles as drug carrier

C. Hands on session on NanoMaterials; demonstrations and experimental tutorial

1. Preparation, modification and detection; simple laboratory demonstrations
2. Health and safety concerns