CORE MODULES
Intro to Clinical Research
Ethical Aspects
Research Governance
Presentation Skills
Writing Papers
Interview Skills

STATISTICS
Quantitative & Qualitative Data Analysis
Survival Analysis
Sample Size
Intro to Bioinformatics
Bioinformatics Workshop

EPIDEMIOLOGY
Intro and Scope of Epidemiology
Study Design
Measures of association and Disease frequency
Bias, Chance and Confounding
Interaction, Association and Causation
Disease Trends and Standardisation
Intervention Studies and RCTs
Meta-analysis
Genetic Epidemiology

EXPERIMENTAL MEDICINE
Clinical Pharmacology
Basic Pharmacology
Clinical Drug Development

GENETICS
Introduction to Monogenic Disease – Hereditary Spastic Paraplegias
Introduction to Polygenic Disease – GWAS in ANCA associated vasculitis
Clonally transmissible cancers
Ethical and Policy considerations for genetic studies
Clinical Genetics and Genetic Counselling
Genetic causes of cancer
Genome Organisation and Chromosomal Structure
Molecular Genetics
Mitochondrial Disorders
Epigenetics
Zebrafish
Mouse Models
Drosophila

RARE DISEASES
Rare Diseases: An overview
Fanconi’s Anaemia
Obesity lessons from Rare Diseases
Lysosomal Diseases – the challenge of clinical trials in rare diseases
Transcriptomic signatures in vasculitis