MPhil in Translational Biomedical Research
Lecture and Workshop List

Practical Aspects of Clinical Research
- Ethical Aspects of Translational Research
- Research Governance
- Translating a Fundamental Discovery to a New Treatment
- Identifying Targets for Drug Development
- Digital Clinical Trials
- Writing Papers
- Presentation Skills

Statistics
- Quantitative & Qualitative Data Analysis
- Survival Analysis
- Sample Size
- Bioinformatics Workshop

Epidemiology
- The Scope of Epidemiology
- Study Design
- Measures of Association and Disease Frequency
- Bias, Chance and Confounding
- Interaction, Association and Causation
- Meta-analysis
- Genetic Epidemiology
- Intervention Studies and RCTs
- Screening and Risk Prediction

Genetics
- Epigenetics
- Genome Organisation and Chromosomal Structure
- Introduction to Polygenic Disease
- Clinical Genetics and Genetic Counselling
- Overview of Rare Genetic Disorders
- Genetic Causes of Cancer
- Using Mouse Models
- Zebrafish

Rare Diseases
- Rare Diseases: An Overview
- Obesity Lessons from Rare Diseases
• Rare Lysosomal Diseases
• Transcriptomic Signatures in Vasculitis

Experimental Medicine
• Basic Pharmacology
• Pharmokinetics
• Clinical Drug Development

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