

| Wellcome Genome Campus Advanced Course: Genetic Analysis of Mendelian and Complex Disorders | | | | | | | | |
|---|--|--|--|---|--|--|----------------------------------|-------|
| Tennis Court Suite and Games Room, Wellcome Genome Campus | | | | | | | | |
| | Wednesday 18/07/2018 | Thursday 19/07/2018 | Friday 20/07/2018 | Saturday 21/07/2018 | Sunday 22/07/2018 | Monday 23/07/2018 | Tuesday 24/07/2018 | |
| 09:00 | | UNIX Intro (Dan Weeks) | Quality Control I (Simon Heath) | Mediation Analysis Mendelian Randomization (Janet Sinsheimer) | Linear Mixed Models (Janet Sinsheimer) | G x G and G x E (Heather Cordell) | Risk Prediction (Dan Weeks) | 09:00 |
| 09:30 | | File Formats Basics (Simon Heath) | | | | | | 09:30 |
| 10:00 | | Tea/Coffee | Tea/Coffee | | | | | 10:00 |
| 10:30 | | Association I: Case/Control (Heather Cordell) | | Tea/Coffee | Tea/Coffee | Tea/Coffee | Tea/Coffee | 10:30 |
| 11:00 | | | Simulation & Power Estimation (Dan Weeks) | Quality Control II (Simon Heath) | Computer Exercises: Linear Mixed Models (Eric Sobel) | Computer exercises: G x G and G x E | Seminar Inês Barroso | 11:00 |
| 11:30 | | Computer exercises: Case/control association | | | Quantitative Association Exercise | | Games Room Discussion Games Room | 11:30 |
| 12:00 | | Seminar | Seminar | Seminar | Seminar | Sanger Tour | Lunch | 12:00 |
| 12:30 | | Kendrew Lecture Theatre | Kendrew Lecture Theatre | Games Room | Games Room | | Restaurant | 12:30 |
| 13:00 | Registration | Lunch | Lunch | Lunch | Lunch | Lunch | | 13:00 |
| 13:30 | Lunch Restaurant | Restaurant | Restaurant | Restaurant | Restaurant | Restaurant | | 13:30 |
| 14:00 | Welcome Introductions | Course Photo | Discussion Games Room | Discussion Games Room | Discussion Games Room | Common Myths and Assumptions (Joe Terwilliger) | | 14:00 |
| 14:30 | | Discussion Games Room | Meta Analysis (Dan Weeks) | Computer exercises: Mendelian Randomization | Data Manipulation (Simon Heath) | | | 14:30 |
| 15:00 | Statistics Primer I (Janet Sinsheimer) | Association II: Family Based (Heather Cordell) | | | | | | 15:00 |
| 15:30 | Tea/Coffee | | Tea/Coffee | Tea/Coffee | Tea/Coffee | Tea/Coffee | | 15:30 |
| 16:00 | Statistics Primer II (Janet Sinsheimer) | Tea/Coffee | Relationship testing & Mendelian inconsistencies (Simon Heath) | Tea/Coffee | Computer exercises: Data Manipulation | Open Discussion re Myths and Assumptions | | 16:00 |
| 16:30 | Basic Population Genetics and Association (Eric Sobel) | Computer exercises: Family-based association | Linear and Generalized Linear models (Janet Sinsheimer) | Linkage Analysis (Eric Sobel) | GWAS Case Study (Eric Sobel) | | | 16:30 |
| 17:00 | | Participant Talks (4) | | Computer exercises: Linkage Analysis | | Post-GWAS Analysis (Dan Weeks) | | 17:00 |
| 17:30 | | Games Room | Open Discussion | Open Discussion | Open Discussion | | | 17:30 |
| 18:00 | Participant Talks (4) | Supper | Participant Talks (4) | Participant Talks (4) | Participant Talks (4) | | | 18:00 |
| 18:30 | Games Room | Restaurant | Games Room | Games Room | Games Room | Break | | 18:30 |
| 19:00 | BBQ | Coach to Cambridge | Supper | BBQ | Supper | Pre-dinner drinks Event Bar | | 19:00 |
| 19:30 | Restaurant | | Restaurant | Restaurant | Restaurant | Course Dinner | | 19:30 |
| 20:00 | | Punting | | | | | | 20:00 |
| 20:30 | | | | | | | | 20:30 |
| 21:00 | | | | | | | | 21:00 |
| 21:30 | | | | | | | Hall Restaurant | 21:30 |
| 22:00 | | | | | | | | 22:00 |
| 22:30 | | | | | | | | 22:30 |
| 23:00 | | Coach to Campus | | | | | | 23:00 |
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