

Metabolomics LC/MS Data Processing and Statistical Analysis

Course Programme

| Day | Time | Session |
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| | 09:00 – 09:15 | Introduction |
| | 09:15 – 09:45 | Lecture: structToolbox Recap <i>Dr Gavin Lloyd</i> |
| | 09:45 – 10:15 | Workshop: structToolbox Workshop <i>Dr Gavin Lloyd</i> |
| | 10:15 – 10:30 | Break |
| | 10:30 – 11:00 | Lecture: XCMS I <i>Dr Ralf Weber / Dr Martin Jones</i> |
| | 11:00 – 12:00 | Workshop: XCMS I <i>Dr Ralf Weber / Dr Martin Jones</i> |
| | 12:00 – 12:30 | Lunch |
| Day 1 | 12:30 – 13:00 | Lecture: XCMS II <i>Dr Ralf Weber / Dr Martin Jones</i> |
| | 13:00 – 13:55 | Workshop: XCMS II <i>Dr Ralf Weber / Dr Martin Jones</i> |
| | 13:55 – 14:00 | Break |
| | 14:00 – 14:30 | Lecture: Metabolomics Data <i>Dr Gavin Lloyd</i> |
| | 14:30 – 15:00 | Workshop: Datasets <i>Dr Gavin Lloyd</i> |
| | 15:00 – 15:15 | Break |
| | 15:15 – 16:00 | Lecture: QA/QC Filtering <i>Dr Gavin Lloyd</i> |
| | 16:00 – 17:00 | Workshop: QA/QC Filtering <i>Dr Gavin Lloyd</i> |

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| Day 2 | 09:00 – 09:45 | Lecture: Peak Matrix Processing <i>Dr Gavin Lloyd</i> |
| | 09:45 – 10:30 | Workshop: Peak Matrix Processing <i>Dr Gavin Lloyd</i> |
| | 10:30 – 10:45 | Break |
| | 10:45 – 11:15 | Lecture: Univariate I <i>Dr Gavin Lloyd</i> |
| | 11:15 – 12:00 | Workshop: Univariate I <i>Dr Gavin Lloyd</i> |
| | 12:00 – 12:30 | Lunch |
| | 12:30 – 13:00 | Lecture: Univariate II <i>Dr Gavin Lloyd</i> |
| | 13:00 – 13:55 | Workshop: Univariate II <i>Dr Gavin Lloyd</i> |
| | 13:55 – 14:00 | Break |
| | 14:00 – 14:45 | Lecture: Multivariate I <i>Dr Gavin Lloyd</i> |
| | 14:45 – 15:30 | Workshop: Multivariate I <i>Dr Gavin Lloyd</i> |
| | 15:30 – 15:45 | Break |
| | 15:45 – 16:15 | Lecture: Multivariate II <i>Dr Gavin Lloyd</i> |
| | 16:15 – 17:00 | Workshop: Multivariate II <i>Dr Gavin Lloyd</i> |

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| Day 3 | 09:00 – 09:45 | Lecture: Annotation <i>Dr Gavin Lloyd</i> |
| | 09:45 – 10:30 | Workshop: Annotation <i>Dr Gavin Lloyd</i> |
| | 10:30 – 10:45 | Break |
| | 10:45 – 11:15 | Lecture: Pathway Analysis <i>Dr Ralf Weber</i> |
| | 11:15 – 12:00 | Workshop: Pathway Analysis <i>Dr Gavin Lloyd</i> |

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| 12:00 – 12:30 | Lunch |
| 12:30 – 13:00 | Lecture: Project Introduction <i>Dr Gavin Lloyd</i> |
| 13:00 – 13:55 | Workshop: Project Workshop <i>Dr Gavin Lloyd</i> |
| 13:55 – 14:00 | Break |
| 14:00 – 14:15 | Lecture: Project Lecture II <i>Dr Gavin Lloyd</i> |
| 14:15 – 15:15 | Workshop: Project Workshop II <i>Dr Gavin Lloyd</i> |
| 15:15 – 15:30 | Break |
| 15:30 – 16:00 | Workshop: Project Workshop III <i>Dr Gavin Lloyd</i> |
| 16:00 – 16:30 | Lecture: Project Presentations <i>Dr Gavin Lloyd</i> |
| 16:30 – 17:00 | Q&A: Ask the Experts |