



## ITTP Summer School Programme 2024, MRC Toxicology Unit, Cambridge

### Day 1 – Monday 15<sup>th</sup> July 13.30 – 17.00

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|----------------------|---|
| 13.30 – 14.15        | Lunch – Roof Top Café   |
| <b>14.15 – 14.30</b> | <b>Welcome and Introduction – Kirsti Hornigold, MRC Toxicology Unit</b>                 |
| <b>14.30 – 15.30</b> | <b>Fundamentals of hazards and their metabolism – Andy Smith, MRC Toxicology Unit</b>   |
| 15.30 - 16.00        | Break – Coffee area level 3   |
| <b>16.00 – 17.00</b> | <b>Susceptibilities and limits of risk estimation – Andy Smith, MRC Toxicology Unit</b> |

### Day 2 – Tuesday 16<sup>th</sup> July 9.30 – 18.00

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| <b>9.30 - 13.00</b>  | <b>Workshop – AI/ML for toxicology prediction - Layla Hosseini-Gerami, Ignota Labs</b>                        |
| 13.00 - 14.00        | Lunch – Roof Top Café   |
| <b>14.00 - 15.00</b> | <b>About the MHRA - Regulating medicines and medical devices – Julianna Berrie and Giselle McKenzie, MHRA</b> |
| 15.00 – 15.15        | Break – Coffee area level 3   |
| <b>15.15 – 17.15</b> | <b>First Year Student talks - project outlines (10 min talk, plus discussion)</b>                             |

### Day 3 – Wednesday 17<sup>th</sup> July 9.30 – 17.00, followed by dinner.

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| <b>9.30 – 10.30</b>  | <b>Third year student talks (25 min plus 5 min discussion)</b>  |
| 10.30 – 11.00        | Break – Coffee area level 3   |
| <b>11.00 – 12.00</b> | <b>Immunotoxicology: Complex models for a complex drug portfolio – Kelly Evans, Immunotoxicology Team, AstraZeneca</b>                      |
| 12.00 - 13.00        | Lunch – Roof Top Café   |
| <b>13.00 – 14.00</b> | <b>Masterclass Lecture - The effects of chemical contaminants on environmental and public health – Leon Barron, Imperial College London</b> |
| <b>14.00 – 14.30</b> | <b>Careers chat with Masterclass speaker</b>  |
| 14.30 – 14.45        | Break – Coffee area level 3   |
| <b>14.45 – 15.45</b> | <b>Innovation and diversity of safety science for agriculture – Richard Currie, Syngenta</b>  |
| 15.45 – 16.00        | Break – Coffee area level 3   |
| <b>16.00 – 17.00</b> | <b>Ecotoxicology and advancing application of the 3Rs - Natalie Burden, NC3Rs</b>   |
| 17.00 – 17.30        | Break and walk over to Downing site   |
| <b>17.30 – 18.30</b> | <b>Drinks and posters (2nd year ITTP students) – Downing College</b>  |
| 18.30                | Dinner – Downing College  |



**Day 4 – Thursday 18th July 9.30 – 13.05**

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| <b>9.30 – 10.30</b>  | <b>The cardiovascular effects of air pollution - a particular problem – Mark Miller, University of Edinburgh</b>                      |
| 10.30 – 10.45        | Break – Coffee area level 3   |
| <b>10.45 – 11.45</b> | <b>Quantitative Systems Toxicology: A multidisciplinary approach to understanding and predicting drug safety - Ciarán Fisher, GSK</b> |
| 11.45 – 12.00        | Break – Coffee area level 3   |
| <b>12.00 – 13.00</b> | <b>Third year student talks (25 min talk, 5 min discussion)</b>   |
| <b>13.00 – 13.05</b> | <b>Summary and close – Kirsti Hornigold</b>   |
| 13.05                | Lunch to go – collect from Roof Top Café  |