# CRUK RadNet PhD & Post Doc Symposium
## Monday 19th June 2023

Francis Crick Institute
London, UK

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| **8.30 – 9.30** | **Registration & Coffee** |
| 9.30 | Welcome & Introduction - *Dr Simon Boulton, RadNet City of London* |
| | **Session 1 – Chair: Hala Estephan** |
| 9.35 | Investigating the scheduling of immune checkpoint inhibition and radiotherapy in an immunocompetent murine model of locally advanced rectal cancer<br>*Lydia Melissourgou-Syka, PhD Student, University of Glasgow* |
| 9.55 | Localised intestinal radiotherapy causes microbiota-driven systemic immune changes in the lung and thymus<br>*Urszula Cytlak, Research Associate, The University of Manchester* |
| 10.15 | Investigating the molecular mechanisms driving hypoxia-induced radioresistance in Head and Neck Squamous Cell Carcinoma<br>*Rhianna Hill, PhD Student, University of Liverpool* |
| 10.35 | Modelling normal tissue toxicity using advanced in vitro models<br>*Jia-Ling Ruan, Research Associate, University of Oxford* |
| 10.55 | Investigation of BH-3 mimetics as radiosensitising agents in glioblastoma<br>*Louise Dutton, Research Associate, University of Glasgow* |
| **11.15** | **Tea and Coffee Break (25 mins)** |
| | **Session 2 – Chair: Jamie Dean** |
| 11.40 | Public Engagement<br>*Dr Lisa Whittaker – Public Engagement Officer, RadNet City of London* |
| 11.50 | Radiotherapy causes functional and gene expression changes according to cardiac substructures<br>*Cecilia Facchi, Research Associate, The University of Manchester* |
| 12.10 | Modern validation of the Manchester Score using real-world data<br>*Charlie Cunniffe, PhD Student, The University of Manchester* |
| 12.30 | Radio-sensitising combination treatments for NSCLC using *in silico* CRISPR screens<br>*Matthew Clarke, Research Associate, RadNet Cambridge* |

| 12.50 | Enhancing radiotherapy sensitisation by modulating angiocrine signalling within the tumour microenvironment<br>*Rebecca Drake, PhD Student, RadNet City of London* |
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| 13.10 | **Lunch** |
| | **Session 3 – Chair: Anna Wilkins** |
| 14.10 | Is comorbidity associated with the interruption of radiotherapy in patients with head & neck cancer?<br>*Golnoosh Motamedi-ghahfarokhi, Research Associate, The University of Manchester* |
| 14.30 | Combining MRI radiomics with hypoxia gene signatures for the improved prediction of biochemical recurrence free survival after prostate radiotherapy<br>*Jim Zhong, University of Leeds* |
| 14.50 | The role of inflammatory chemokine receptors in radiotherapy induced normal tissue toxicity.<br>*Nabina Pun, PhD Student, The University of Manchester* |
| 15.10 | **Poster Session** |
| 15.40 | **Tea and Coffee Break** |
| | **Session 4 – Careers session, Chair Simon Boulton** |
| 16.10 | RPS Sponsor Talk |
| 16.20 | Career talks with Q&A<br>*Rachel Evans, AstraZeneca & David Fernandez-Antoran, University of Cambridge* |
| 16.50 | Prizes and Close |
| 17.00 | **Reception** |

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