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Barts &  
the Crick**

## **CRUK City of London Centre Paediatrics Symposium 2024**

**Zayed Centre for Research into Rare Disease in Children – GOSH  
Ryan Connolly seminar room (20 Guilford Street, London, WC1N 1DZ)**

**Thursday 14<sup>th</sup> March 2024**

**9.30 – 9.45am**

**REGISTRATION AND COFFEE/TEA**

9.45 – 10.00am

**Opening remarks – Karin Straathof**

10 – 11.00am

**Morning session  
Chair: Darren Hargrave**

Denise Sheer (QMUL)

*MAPK and More: Signalling Networks in Paediatric Low-Grade Gliomas*

David O'Connor (UCL)

*Chemotherapy Resistance in T-cell Acute Lymphoblastic Leukaemia*

Sara Badodi (QMUL)

*Targeting epigenetic dysregulation in paediatric brain tumours*

**11.00 – 11.30am**

**COFFEE**

11.30 – 12.00pm

**Short talks  
Chair: Oliver Pearce (QMUL)**

Sophie James (QMUL) – PI: Paolo Gallipoli, CoL Centre PhD  
*Investigation of the molecular mechanisms and microenvironmental cues driving adaptive resistance to FLT3 targeted therapy in acute myeloid leukaemia.*

Amelia Claxton, (KCL) – PI: Maya Thanou, CoL Centre PhD  
*Imaging brain tumours to develop image guided focused ultrasound delivery of anti-PDL1*

12.00 – 12.25pm

**Flash talks**

**Chair: Oliver Pearce (QMUL)**

Dorothy Yang (KCL), PI: James Arnold, CoL Centre-CRTF  
*Developing next-generation armoured hypoxia-sensing CAR-T cells*

Sumayyah Imran (UCL) PI: Sara Ghorashian, CoL Centre-MBPhD  
*Development of CAR-transduced natural killer cells for the treatment of paediatric and adult acute myeloid leukaemia*

Vinuja Premakumar (QMUL) PI: Oliver Pearce, CoL Centre-MBPhD  
*Overcoming Tumour Extracellular Matrix Barriers To Effective CAR-T Cell Therapy For Neuroblastoma*

12.25 – 12.40pm

**Patient and Public Involvement and Engagement - Patient representative**

Sara Wakeling

**12.40– 1.40pm**

**LUNCH**

1.40 – 2.40pm

**Guest speaker: Judith Wienke - Princess Maxima Centre**  
*Integrative analysis of neuroblastoma by single-cell RNA sequencing identifies the NECTIN2-TIGIT axis as a target for immunotherapy*

2.40 – 2.55pm

**Flash talks**

**Chair: Marc Mansour**

Jamie Deyell (UCL) PI: Marc Mansour, CoL Centre-MBPhD  
*Optimal targeted therapy for CCR9-positive T-cell acute lymphoblastic leukaemia (T-ALL)*

Constance Fourny (KCL) PI: Michele Mishto, CoL Centre PhD  
*Discovery of neoepitopes in glioblastoma*

**2.55 – 3.25pm**

**COFFEE**

3.25 – 3.55pm

**Short talks**

**Chair: Marc Mansour**

Jai Sidpra (UCL) – PI: Darren Hargrave, CoL Centre-MBPhD  
*Towards a network-centric understanding of paediatric high-grade glioma*

Žan Florjanic Baronik (UCL) – PI: Simona Parrinello, CoL Centre-MBPhD  
*Neuronal Degeneration as a Key Player in Glioblastoma Development.*

3.55 – 4.30pm

**Afternoon session**

**Chair: Karin Straathof**

Dale Bryant (Crick) – PI: Veronica Kinsler  
*RNA Therapy for Congenital Melanocytic Naevi*

Jonathan Fisher (UCL)  
*Developing gamma-delta T-cell based therapies for bone-resident cancers*

4.30 – 4.40pm

**Closing remarks**

**4.40 – 6.30pm**

**DRINKS RECEPTION**