

Newcastle University and Xstrahl Preclinical Irradiation Meeting 2025

Start	Finish		Presenter	Institute	Title
9:15	9:25	Opening remarks	Saimir Luli	Newcastle University	A welcome to Newcastle!
9:25	9:55	Key Note	Anthony Chalmers	University of Glasgow	Understanding and modifying radiation induced neuroinflammation and cognitive decline
Session 1 - Radiobiology 1			Presenter	Institute	Title
9:55	10:20	Talk 1	Lindsey Sloan	University of Minnesota	Translational Radiotherapy Paradigms in Pre-clinical Glioma Models
10:20	10:45	Talk 2	Sebastian Rigollet	University Grenoble Alpes	Improved Glioblastoma Control via FUS-Mediated Carboplatin Delivery Combined with Radiotherapy
10:45	11:05	Talk 3	Adamantia Fragkopoulou	Karolinska Institutet	Antisense Strategies to Modulate cGAS–STING Signalling and Reduce Neuroinflammation After Cranial Radiotherapy
11:05	11:30	Coffee			
Session 2 - Radiobiology 2			Presenter	Institute	Title
11:30	11:55	Talk 4	Stephanie May	CRUK Scotland Institute /University of Glasgow	Developing and validating a preclinical platform for combining radiotherapy with systemic therapy in hepatocellular carcinoma
11:55	12:10	Talk 5	Abdullah Malik	Newcastle University	Modelling radiation-induced tissue and tumour injury in the liver
12:10	12:30	Talk 6	Karl Butterworth	Queens University Belfast	Investigating the spatial & temporal dependency of radiation cardiotoxicity using Xstrahl Systems
Technology Talk			Presenter	Institute	Title
12:30	12:50	Talk 7	Nick Staut	SmART Scientific Solutions	Developments in image- and model-based irradiation planning
12:50	13:50	Lunch & Discussions			

Session 3 - Managing core facilities & users!			Presenter	Institute	Title
13:50	14:10	Talk 8	Adamantia Fragkopoulou & Sofia Skyttner	Karolinska Institutet	Running a multi-system radiation core
14:10	14:30	Talk 9	Katrina Stevenson	CRUK Scotland Institute/ University of Glasgow	SARRP Practicalities - From a user and facility manager
14:30	14:50	Talk 10	Saimir Luli	Newcastle	The Newcastle Centre for In Vivo Imaging
14:50	15:10	Talk 11	Rebecca Carter	UCL/City of London RadNet	Communication and collaboration at the CoL Radnet sites
15:10	15:40	Coffee			
Technology Talk			Presenter	Institute	Title
15:40	16:05	Talk 12	Merle Reinhart	Xstrahl	30 Years of Xstrahl
Session 4 - Technological Advances in Preclinical F			Presenter	Institute	Title
16:05	16:30	Talk 13	Thomas Schmid	TUM University Hospital, Technical University of Munich	Microbeam and Minibeam Radiotherapy Improves Local Tumor Control: Evidence from Experimental Studies in Mice Using the XenX/SARRP Platforms
16:30			Closing Comments		
17:30 to 18:00 and then late			Meet at Blackfriars for dinner (Friars St, Newcastle upon Tyne NE1 4XN)		
26th November Tour of the The Newcastle Centre for In Vivo Imaging					
9:30	12:00	Group tour of facility			