



## RADIOGENOMICS CONSORTIUM MEETING

Manchester Cancer Research Centre, University of Manchester,  
Manchester, UK

Monday 16<sup>th</sup> July 2018

<b>08:00 – 08:45</b>	<b>RGC Organising Committee Meeting</b>
<b>08:30– 09:00</b>	<b>ARRIVAL: TEA / COFFEE</b>

### MORNING SESSION

<b>09:00 – 09:50</b>	<b>Welcome to RGC 2018</b> Catharine West ( <i>University of Manchester, UK</i> ) and Barry Rosenstein ( <i>Icahn School of Medicine at Mount Sinai, USA</i> )  <b>Welcome to Manchester Cancer Research Centre (MCRC)</b> Rob Bristow ( <i>Director of the MCRC, University of Manchester, UK</i> )
<b>Session 1: GWAS and Post-GWAS Projects - Part I</b> Chair: Alison Dunning	
<b>09:50 – 10:20</b>	<b>Oncoarray and Prostate Project Update</b> Sarah Kerns ( <i>University of Rochester, USA</i> )
<b>10:20 – 10:40</b>	<b>Fine Mapping</b> Laura Fachal ( <i>University of Cambridge, UK</i> )
<b>10:40 – 11:00</b>	<b>TEA / COFFEE</b>

### Session 2: GWAS and Post-GWAS Projects - Part II

Chair: Søren Bentzen

<b>11:00 – 11:15</b>	<b>Head and Neck Project Update</b> Line Shack ( <i>Aarhus Universitet, Denmark</i> )
<b>11:15 – 11:25</b>	<b>Breast Project Update</b> Alison Dunning ( <i>University of Cambridge, UK</i> )
<b>11:25 – 11:35</b>	<b>Lung and Functional Analysis update</b> Ana Vega/ Miguel Elias Aguado ( <i>Galician Foundation of Genomic Medicine, Spain</i> )
<b>11:35-11:50</b>	<b>Predictive Biomarkers of Adverse Reactions to Prostate Cancer Radiotherapy</b> Barry Rosenstein ( <i>Icahn School of Medicine at Mount Sinai, USA</i> ) and Sarah Kerns ( <i>University of Rochester, USA</i> )
<b>11:50-12:05</b>	<b>REQUITE</b> Jenny Chang-Claude ( <i>DKFZ, Germany</i> )



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12:05 – 12:25	<b>RGC GROUP PHOTO</b>
12:25 – 13:30	<b>LUNCH &amp; MCRC Lab tour</b>

### AFTERNOON SESSION

#### Session 3: Analysis and Application

Chair: Sarah Kerns

13:30 – 14:00	<b>Biomarkers and Response Predictors: Purpose Driven Assay Development Concepts</b> Pat Prasanna ( <i>National Institutes of Health, National Cancer Institute, USA</i> )
14:00– 14:20	<b>P-values and confidence intervals: not fit for purpose?</b> Paul Pharoah ( <i>University of Cambridge, UK</i> )
14:20 – 14:45	<b>Predictive models for radiation-induced side effects in head and neck cancer based on single nucleotide polymorphisms: preliminary data from UMCG</b> Anne Crijns, Elnaz Naderi ( <i>University Medical Center Groningen, Netherlands</i> )
14:45-15:00	<b>Dimensional reduction of Omics components for biomarker discovery of radiotoxicity</b> Juan Fernández-Tajes ( <i>Fundación Pública Galega Medina Xenómica, Spain</i> )
15:00 – 15:20	<b>TEA / COFFEE</b>

#### Session 4: Future Projects

Chair: Catharine West and Barry Rosenstein

15:20 – 15:55	<b>Correlation between radiomics characteristics and immune activation in head and neck cancer.</b> Jung Hun Oh ( <i>Memorial Sloan Kettering Cancer Centre, USA</i> )
	<b>Radiosensitivity and individualization of radiotherapy</b> Tatjana Stanojkovic and Marina Nikitovic ( <i>Institute for Oncology and Radiology of Serbia, Serbia</i> )
	<b>Predicting brain radionecrosis</b> Dan Higginson ( <i>Memorial Sloan Kettering Cancer Centre, USA</i> )
	<b>Radiogenomics Consortium Machine Learning to Predict Prostate Radiotherapy Toxicity via RAPPER and REQUITE</b> John Kang ( <i>University of Rochester, USA</i> )
15:55 – 16:15	<b>Open Discussion- Sequencing or GWAS?</b>
16:15 – 16:30	<b>CLOSE.</b> The coach taking delegates to the John Rylands Library for an evening tour will depart at 16:30. Drinks reception from 18:15, followed by dinner at 19:00 at Artisan, Avenue North, 18-22 Bridge Street, Spinningfields M3 3BZ.