

**2<sup>nd</sup> Yorkshire Breast Cancer Symposium**

**13<sup>th</sup> September 2018**

**Clinical Sciences Building, St James's University Hospital, LS9 7TF**

10.00 **Registration, Networking and Coffee**

10.30 **Welcome Dr Craig Walker**, Director, White Rose University Consortium

**Presentations**

10.40 **Inhibiting IL-1B signalling increases therapeutic efficacy of doxorubicin and zoledronic acid in immunocompetent models of mammary cancer bone metastases** - Diane V Lefley, Claudia Tulotta, Amy Spicer Hadlington, Penelope D Ottewell

10.55 **Establishing a novel lentiviral haematopoietic stem cell gene therapy for breast cancer brain metastases using intra-tumoral myeloid cell-specific gene promoters** - Tereza Andreou, Nora Rippaus, Krzysztof Wronski, Jennifer Williams, David Taggart, Teklu Egnuni, Rebecca Brownlie, Stephanie Cherquie, Ashley Sunderland, Yolanda D. Kartika, Alastair Droop, Mihaela Lorgier

11.10 **Exploiting the metabolic capacity of breast tumours for targeted chemotherapy** - Francis Mprah Barnieh, Paul M Loadman, Robert A Falconer

11.25 **Poster presenters: One minute oral pitches**

**1. 15-hydroxyprostaglandin dehydrogenase: A tumour suppressor?** - Lisa M Allinson, Laura M Wastall, Andrew M Hanby, Raj Achuthan, Ian M Carr, David T Bonthron, Alexander F Markham, Christine P Diggle

**2. MicroRNA-26b and -195 mediate chemoresistance in oestrogen receptor positive breast cancer** - Diana E Baxter, Eldo T Verghese, James A Poulter, Thomas A Hughes

**3. Investigating the effects of combination decitabine/vitamin C as a strategy to improve response to epigenetic drugs breast cancer cells in vitro** - Caroline Berteau, Ian M Carr, David T Bonthron and Elizabeth MA Valleley

**4. Characterisation of *Drosophila* tipE as a functional orthologue of the tumour-promoting voltage gated Na<sup>+</sup> channel  $\beta$ 1 subunit** - Lauren A Blackburn, Sean T Sweeney and William J Brackenbury

**5. The Role of Csmd1 in EMT Linked Mammary Gland Development - SJ Burgess, H Gibson, C Toomes, PL Coletta and SM Bell**

**6. Tumour derived IL-1B induces tumour promoting mechanisms in breast cancer bone metastasis - Claudia Tulotta, Diane Lafley, Katy Freeman, Walter Gregory, Andrew Hanby, Amy Spicer-Hadlington, Xinming Liu, Steven Bradbury, Lisa Hambley, Victoria Cookson, Marianna Kruithof de Julio, Robert Coleman, Janet Brown, Ingunn Holen, Penelope Ottewell**

**7. Extracellular Matrix Stiffness and Response to Chemotherapy in Breast Cancer - Emma Grant**

**8. Living Better with Advanced Breast Cancer (LIBERATE): Symptom-reporting, self-management and signposting support for secondary breast cancer. Kathleen Kane, Fiona Kennedy, Kate Absolom, Clare Harley and Galina Velikova**

**9. CDK4/6 inhibitor as promising therapy for Breast Cancer Brain Metastases (BCBM) - Yolanda D Kartika**

11.40 **MUC17 and PCNX1 as mediators of chemotherapy response in breast cancer - Waleed S Al Amri, Eldo T Verghese, Lucy F Stead, Andrew M Hanby, Nisha Sharma, Thomas A Hughes**

11.55 **Does early change in breast tumour blood flow predict response to neoadjuvant chemotherapy? - William Stevens, Daniel J Wilson, Andrew Hanby, Sarah Bacon, Nisha Sharma, Timothy J Perren, David Dodwell, Barbara Dall, David L Buckley**

12.10 **Poster presenters: One minute oral pitches**

**11. Plasmonic nanoparticles for breast cancer theranostics with light and sound - James McLaughlan**

**12. The role of adrenomedullin in breast cancer - Hind Naffadi, Gareth Richards, Tim Skerry**

**13. Gene Expression Signatures Associated with Mitotic Quiescence in Breast Cancer - Quayle L, Ottewell PD and Holen I**

**14. Intracellular pharmacokinetics of 5FU and palbociclib - Maria Jove, Paul Loadman, Jade Spencer, Lava Sulayman, Jo Wicks, Amanda Race and Chris Twelves**

12.20 Lunch Break and Poster viewing

### **Presentations**

13.35 **Mechanical characterisation of the bone microenvironment by atomic force microscopy for studying breast cancer metastasis - Xinyue Chen, Russell O Hughes, Nic Mullin, Ingunn Holen, Jamie K Hobbs, Nicola J Brown**

- 13.50 **Identifying Molecular Players Involved in Breast Cancer Cell Dormancy in the Brain** - Ashley Sunderland, Agne Antanaviciute, Nora Rippaus, Tereza Andreou, Jennifer Williams, Valerie Speirs, Adam Davison, Ian Carr, Mihaela Lorgier
- 14.05 **Crosstalk between sodium and pH regulation: the acidic tumour microenvironment disrupts sodium homeostasis** - Theresa Leslie, William Brackenbury
- 14.20 **Platelet Microparticles promote metastatic phenotype in breast cancer cells via induction of EMT** - Tutuianu A, Roberts W, Riches-Suman K, Boyne JR
- 14.35 Short Break
- 15.00 Abstract writing workshop
- 15.15 Prize giving
- 15.20 Closing Comments
- 15.30 Close