

RETREAT, DOVE MARINE LABORATORY, 6<sup>th</sup> JULY 2017

## Programme

9.30 Welcome and Introduction – Jon Higgins

### Session I. Chair: Mark Levasseur

9.40 Daniel Wood (Endicott Lab) *'Biological implications of a flexible kinase: differentiating CDK1 and CDK2 through active site binding'*

10.00 Sarra Ryan (Harrison Lab) *'The role of the constitutional dicentric chromosome in childhood leukaemia development'*

10.20 Suzanne Madgwick (Madgwick Lab) *'Cell cycle in the oocyte, summary and future plans'*

10.40 Tea/Coffee Break

### Session II. Chair: Lisa Prendergast

11.20 Lucy Salmon (Davies Lab) *'The molecular basis of synaptonemal complex elongation mediated through SYCE2-TEX12 self-assembly'*

11.40 Vicky Torrance (Lydall Lab) *'Stn1 expression is controlled by Tma20, Tma22 and an overlapping ORF'*

12.00 Nikolaus Watson (Higgins Lab) *'KiPik screening: A novel method for identifying the kinase responsible for a phosphorylation site of interest'*

12.20 Lunch

### Session III. Chair: Owen Davies

- 13.30 **Jianquan Li** (Huang Lab) *'What are the mechanisms for preventing p31Comet from turning off the SAC under nocodazole treatment in human culture cells'*
- 13.50 **Yuko Takeda** (Herbert Lab) *'Understanding and exploiting the power of mitophagy during pre-implantation development'*
- 14.10 **Jack Martin** (Rodriguez Lab) *'Understanding the interaction between the cytoskeleton and polarity in the C. elegans embryo'*
- 14.30 **Urszula McClurg** (Faculty Fellow) *'Disproving the dogma - the role of synaptonemal complex in cancer'*
- 14.50 **Tea/Coffee Break**

### Session IV. Chair: Josana Rodriguez

- 15.30 **Onur Sen** (Higgins Lab) *'Local regulation of the cyclin B1/CDK1 complex'*.
- 15.50 **Guru Manickam** (Davies Lab) *'Chromosome choreography by LINC complex coiled-coil proteins in mammalian meiosis'*
- 16.10 **Mahdi Lamb** (Herbert Lab) *'Protection and deprotection of centromeric cohesin in mammalian oocytes'*
- 16.30 **Closing Comments – Jon Higgins**