

# Stem Cell Phenotyping Consortium

## 1st Workshop on High Content Screening of Stem Cells: Challenges and Opportunities

9.30 – 10.30 REGISTRATION AND COFFEE

10.30 – 10.40 WELCOME AND INTRODUCTION

### **Session I: THE USE OF HIGH-CONTENT ASSAYS IN DISCOVERING CELL SIGNALLING**

10.40 – 11.05 Steve Brown, University of Sheffield: "Developing Assays for High Content Genome-wide RNAi Screens – Not exactly what it says on the tin"

11.05 – 11.30 Rebecca Perrett, University of Bristol: "Using High-Content Microscopy to Study Gonadotropin-Releasing Hormone Signalling"

11.30 – 11.55 Chris Bakal, Institute of Cancer Research: "How Signalling Regulates Cell Shape, and how Cell Shape Regulates Signalling"

11.55 – 12.10 Sponsored talk: Scot Hayes, Mirus Bio: "Transfection of Stem Cells"

12.10 – 13.15 **LUNCH**

### **SESSION II: HIGH-CONTENT SCREENING OF STEM CELLS**

13.15 – 14.00 KEYNOTE LECTURE: Chris Denning: "Automated platforms for human pluripotent stem cells"

14.00 – 14.25 Paul Andrews, Dundee: "Using phenotypic screening to identify small-molecule modulators of hES cell fate"

14.25 – 14.50 Davide Danovi, King's College, London: "High content using stem cells for disease modelling and drug discovery"

14.50 – 15.05 Sponsored talk: Ben Haworth, Molecular Devices: "High Content Approaches to Stem Cell Assays"

15.05 – 15.35 **COFFEE AND SPONSOR EXHIBITION**

### **SESSION III: EMERGING TECHNOLOGIES**

15.35 – 16.00 Yen Choo, Plasticell, Stevenage: Title TBC

16.00 – 16.25 Olivier Pardo: "High-content analysis of cell invasiveness using complex 2D and 3D culture assays and zebrafish models"

16.25 – 16.40 Sponsored talk: Liz Roquemore (GE Healthcare): "Higher throughput Applications of Stem Cell Derived Models".

16.40 – 16.50 **CLOSE**