2013 World Cell Race – Second edition

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The second edition of the World Cell Race will take place on November 22, 2013, jointly organized by researchers from Institute Curie (Matthieu Piel) and Harvard Medical School (Daniel Irimia). During the first edition in 2011, organized by researchers from Institute Curie, CEA, CNRS and INSERM, the motility of 54 different cell types from various animals and tissues, provided by 47 laboratories around the world, was observed over 24 hours.

The three major goals of this race are to:

- Learn interesting things about how cells move and what makes them faster or slower in confined spaces;
- Stimulate interdisciplinary discussions among researchers developing assays for measuring cell motility and those using this information for science and clinical applications;
- Increase the awareness of non-scientists of the roles that cell motility plays in health and disease processes from inflammation to cancer.

This year, the cells will not only need to be fast but will also have to be smart. They will be placed in tracks formed of microchannels designed with dead ends.

The Office for Science and Technology is proud to sponsor this Franco-American collaboration aimed at pursuing a large-scale study on a major world health issue. Understanding how cells behave and how they move can lead to the development of drugs that could enhance healing, delay the formation of metastases and slow down the invasion of cancer cells.

The race will be broadcasted in real time at http://www.bioconferencelive.com/