

What is UniStem Day?

UniStem Day is a one-day meeting organized for high school students since 2009. This event solely dedicated to the dissemination and outreach of stem cell science and research provides an opportunity to foster learning, discovery and debate by involving students and teachers in a variety of activities. The event showcases cutting edge research, paints a picture of the daily work of a scientist, and explores the mechanisms behind scientific breakthroughs, including the cultural expectations. By offering lessons, debates, visits at the laboratories and recreational moments, the students engage with the concepts and methodologies involved in stem cell research. They will gain an appreciation for science and that it can be fun and it builds personal character based on evidence, perseverance and integrity. As in the previous years, UNISTEM DAY 2018 will bring together Universities and High Schools from all over Europe by involving 74 European Universities in Austria, France, Germany, Italy, Poland, Serbia, Spain, Sweden, UK, Hungary.

UniStem is the Centre for Stem Cell Research of the University of Milan founded in 2006 by E. Cattaneo, G. Cossu, F. Gandolfi, Y. Torrente and joined by G. Testa in 2015. The 2018 UNISTEM DAY event is part of the activities of scientific dissemination on stem cells promoted by the Centre. UNISTEM DAY is the largest public event on stem cell research in Europe and it celebrates its 10th annual edition this year.

THE EVENT WILL HAPPEN SIMULTANEOUSLY IN 10 COUNTRIES



Concept and Coordination



Supporter



Sponsors



10th UniStem Day

Europe
United
by Science

The long
and fascinating
trip of stem cell
research

16th March
2018
10.00^{am}



University of Cambridge

Morning program

Afternoon session

Coordinator:
Rebecca Jones

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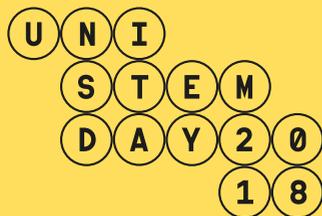
Morning:

Arbury Primary School
Carlton Way, Cambridge
Cambridgeshire CB4 2DE

Afternoon:

Orchard Park
Ringfort Road, Orchard Park
Cambridge
Cambridgeshire, CB4 2GR

16th March 2018
10.00am



10:00am

WORKSHOP:
How to make a human

Elisa Laurenti

Group Leader, Wellcome-MRC
Cambridge Stem Cell Institute

Justyna Rak

Postdoc, Wellcome-MRC Cambridge
Stem Cell Institute

WORKSHOP SUMMARY:

Our workshop focusses on the decisions that a blood stem cell needs to make to become a range of specialized cells in the blood system. To do this, we use a set of small Thymio robot 'stem cells' which students will programme to navigate a series of decision branches on a large floor mat to reach their chosen cell type. Researchers will explain how they study this stem cell behavior in the laboratory and show images of what blood cells look like when viewed under the microscope.

10:00am → 11:00am

Workshop_Session 1
at Arbury Primary School
Year 6, Age 10-11

11:20am → 12:20pm

Workshop_Session 2
at Arbury Primary School
Year 6, Age 10-11

1:15pm → 2:10pm

Workshop_Session 3
at Orchard Park Community
Primary School
Year 4, Age 8-9

2:20pm → 3:15pm

Workshop_Session 4
at Orchard Park Community
Primary School
Year 6, Age 10-11