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 on the themes of knowledge and innovation starting from stem cell research. 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. Furthermore, they will gain an appreciation for science and how it can be fun and build personal character and relationships based on evidence, perseverance and integrity. As with previous years, UNISTEM DAY 2024 will bring together universities and high Schools from all over the world by involving 97 universities and research centres in Australia, Denmark, France, Germany, Hungary, Italy, Netherlands, Norway, Poland, Serbia, Spain, Sweden and the United Kingdom.
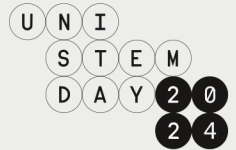
UniStem is the Centre for Stem Cell Research of the University of Milan founded in 2006 by Profs. E. Cattaneo, G. Cossu, F. Gandolfi and Y. Torrente (unistem.it). The UNISTEM DAY 2024 event is one of many UniStem activities on stem cell research divulgation and this year it celebrates the 16th annual day dedicated to secondary school students and can boast being the largest public event on stem cell research in Europe.

Concept & Coordination

uniStem
Università degli Studi di Milano Centro di Ricerca sulle Cellule Staminali

Patronage

EURO
GCT
European Gene & Cell Therapy

UNISTEMDAY2024

UniStem Day
The neverending journey
of stem cell research
March 21-22, 2024

RUHR UNIVERSITÄT BOCHUM

RUB

Evangelische Akademie Villigst im
Institut für Kirche und Gesellschaft
Evangelische Kirche von Westfalen

RUB
Alfried Krupp-
Schülerlabor
der Wissenschaften

Ruhr-University Bochum
Alfried Krupp School Laboratory

Institute for Church
and Society Evangelical
Church of Westphalia

21 March 2024, 9:00
Department of Cell Morphology
and Molecular Neurobiology,
Faculty of Biology and Biotechnology,
Building NDEF 05, Universitätsstr. 150,
Ruhr-University Bochum,
44801 Bochum

22 March 2024, 9:00
Alfried Krupp School Laboratory,
SSC 2, Humanities Section,
Universitätsstr. 150,
Ruhr-University Bochum,
44801 Bochum

Agenda

March 21, 2024 – Day 1

09:00 AM - 09:45 AM
Welcome – Faculty of Biology and
Biotechnology, speaker Prof. Dr. Andreas
Faissner and Dr. Jacqueline
Reinhard-Recht, local speaker Stem
Cell Network North Rhine Westphalia
Bochum, Department of Cell Morphology
and Molecular Neurobiology,
Ruhr-University Bochum

Lecture "Introduction into the biology of
stem cells", Speaker Prof. Dr. Stefan
Wiese, Working group Molecular Cell
Biology, Department of Cell Morphology
and Molecular Neurobiology,
Ruhr-University Bochum

09:45 AM - 10:00 AM
Break

10:00 AM - 01:30 PM
Practical laboratory work
Fibroblasts and neurons
Human iPS cells (hiPS cells)
Molecular biological detection of the
pluripotency marker gene OCT4
in hiPS cells

01:30 PM - 02:00 PM
Time for questions and discussion

02:00 PM
End

March 22, 2024 – Day 2

9:00 AM - 10:00 AM
Welcome – Alfried Krupp School
Laboratory, Dr. Kirsten Schmidt,
Humanities Section,
Ruhr-University Bochum

Lecture "Ethical evaluation of stem cell
research", Speaker Prof. Dr. Klaus
Steigleder, Faculty of Philosophy and
Educational Research, Chair for Applied
Ethics, Ruhr-University Bochum

10:00 AM - 10:15 AM Break

10:15 AM - 11:45 AM
Workshops: An ethical view – Embryonic,
adult and induced stem cells
Workshop 1: Embryonic stem cells
Workshop 2: Induced pluripotent
stem cells
Workshop 3: Adult stem cells

11:45 AM - 12:15 PM Break and group
photo

12:15 PM – 01:15 PM
Joint podium discussion with the
academic and coordination team

01:15 PM – 02:00 PM
Stem cell quiz, evaluation and goodbye

02:00 PM
End

Coordinator of both Days:

Dr. Friederike Barth, Institute for
Church and Society Evangelical Church
of Westphalia,

Dr. Jacqueline Reinhard-Recht,
Department of Cell Morphology and Mol.
Neurobiology, Faculty of Biology and
Biotechnology, Ruhr-University Bochum

Dr. Kirsten Schmidt, Alfried Krupp School
Laboratory, Ruhr-University Bochum