

# 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 2019 will bring together Universities and High Schools from all over the world by involving 99 Universities in Australia, Austria, Colombia, France, Germany, Greece, Holland, Hungary, Italy, Singapore, Spain, Poland, Portugal, Sweden and 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 2019 event is one of many UniStem activities on stem cell research divulgation and this year it celebrates the 11th annual day dedicated to secondary school students and can boast being the largest public event on stem cell research in Europe.

**Fondazione TIM** born in 2008 as an expression of ethical principles, of the strong commitment of responsibility towards the community and the spirit of innovation of Tim. The commitment is to work for an ever-increasing digital, innovative and competitive Italy, collaborating with the institutions to carry out the projects and making available the economic resources and skills of the Group.

THE EVENT WILL HAPPEN IN 15 COUNTRIES 

Concept and Coordination:

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

Supporter:

  
**EuroStemCell**

Organizer:

  
**GSCN**  
GermanStemCellNetwork

in collaboration with  
**FONDAZIONE**  


14-15  
März 9.00  
2019 Uhr

# UniStem Day

Wissen und innovation:  
die endlose Reise der  
Stammzellforschung

(if you surf the web with your eyes closed)

  
Institut für Kirche  
und Gesellschaft  
der Evangelischen Kirche von Westfalen  
  
RUB Alfred Krupp  
Schülerlabor

# Ruhr-University Bochum

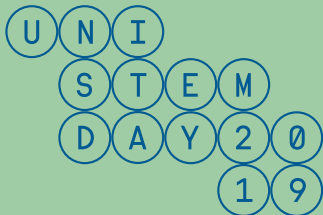
## 14th March 2019

Coordinators:

**Gudrun Kordecki**, Institute for Church and Society, Evangelical Church of Westphalia, Schwerte  
**Jacqueline Reinhard**, Department of Cell Morphology and Molecular Neurobiology, Ruhr-University Bochum  
**Kirsten Schmidt**, Alfried Krupp School Laboratory, Ruhr-University Bochum

### 14th March 2019 - 9.00am

Department of Cell Morphology and Molecular Neurobiology  
Faculty of Biology and Biotechnology, Building NDEF 05, Universitätsstr. 150, Ruhr-University Bochum  
44801 Bochum



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**9:00 → 10:00**

WELCOME:

**Kirsten Schmidt**, Humanities Section, Alfried Krupp School Laboratory, Ruhr-University Bochum  
**Andreas Faissner** and **Jacqueline Reinhard**, local speaker Stem Cell Network North Rhine Westphalia Bochum, Department of Cell Morphology and Molecular Neurobiology, Ruhr-University Bochum

LECTURE:

**Stefan Wiese**, Working group Molecular Cell Biology, Department of Cell Morphology and Molecular Neurobiology, Ruhr-University Bochum *Introduction into the biology of stem cells*

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**10:00 → 10:15**

Break

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**10:15 → 12:30**

PRACTICAL LABORATORY WORK:

- 1) Fibroblasts and neurons
- 2) Human iPS cells (hiPS cells)
- 3) Molecular biological detection of the pluripotency marker gene OCT4 in hiPS cells

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**12:30 → 13:30**

Joint lunch break in the mensa

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**13:30 → 15:30**

Survey of the campus  
– rally at the Ruhr-University Bochum

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**15:30**

Conclusion

## 15th March 2019

Coordinators:

**Gudrun Kordecki**  
**Jacqueline Reinhard**  
**Kirsten Schmidt**

### 15 March 2019 - 9.00am

Alfried Krupp School Laboratory, SSC 2, Humanities Section, Universitätsstr. 150, Ruhr-University Bochum  
44801 Bochum

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**9:00 → 10:00**

WELCOME:

**Kirsten Schmidt**, Humanities Section, Ruhr-University Bochum

LECTURE:

**Traugott Jähnichen**, Faculty of Protestant Theology, Chair for Social Ethics, Ruhr-University Bochum  
*Ethical evaluation of stem cell research*

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**10:00 → 10:15**

Break

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**10:15 → 11:30**

WORKSHOPS:

An ethical view

- 1) Embryonic stem cells
- 2) Induced pluripotent stem cells
- 3) Adult stem cells

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**11:30 → 12:10**

Break and group photo

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**12:10 → 13:00**

Joint podium discussion with the academic and coordination team

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**12:10 → 15:30**

Stem cell quiz, evaluation and goodbye

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**15:30**

Conclusion