



**Proposal for CRYSTAL Workshop
CRYo-banking of Stem cells for human Therapeutic AppLication
24 and 25 November 2009**

Convention Center Hanover Fairground / Messegelände Hannover
Satellite workshop during the 4th Annual Conference of the German Society for Stem Cell
Research (GSZ)

Day 1: Tuesday, 24th of November

11:00 Registration and parallel lunch at poster session GSZ

13:00 – 13:30 **Introduction to CRYSTAL project and workshop**
- Jürgen Hescheler

13:30 – 14:00 **Progress and innovations in cryobiology for comparative medicine and reproductive biology**
- Invited speaker John Critser, President of the Society of Cryobiology (US)

Session 1: Innovative protocols for stem cell culture

14:00 – 14:30 Invited speaker Marisa Jaconi:
Developments in embryonic stem cell research

14:30 – 15:00 **Embryonic stem cell culture for future therapies (UKK)**

15:00 – 15:30 **Non-haematopoietic stem cell culture for future therapies (UZH)**

Coffee break

Session 2: Quality control of stem cell preparation in view of therapeutic applications

16:00 – 16:30 Invited speaker Francesco Frassoni:
Clinical relevance of cryopreservation research for transplantation

16:30 – 17:00 **RNA-based gene transfer to improve haematopoietic stem cell quality (UA, KUL)**

17:00 – 17:30 **Culture and quality control of haematopoietic cells on the example of erythroid progenitor cells (MUW)**

17:30 – 18:30 **Automated system for cell analysis and demonstration (TG)**



Day 2: Wednesday, 25th of November

Session 3: Biobanking

09:00 – 09:30 Invited speaker Kurt Zatloukal:

Biobanking promoting health, therapies & security in EU

09:30 – 10:00 **Cord blood banking, issues regarding cryopreservation (CSG)**

10:00 – 11:00 **Message for cryopreservation of stem cells and banking (IBMT)**

Coffee break

11:30 – 12:00 **Compendium of CRYSTAL methods (UKK)**

12:00 – 14:00 POSTER SESSION of partners and lunch, together with the GSZ conference and discussions

End of the workshop

CRYSTAL partners

- University of Cologne, Germany (UKK)
- Cryo-Save Group NV, the Netherlands (CSG)
- Fraunhofer-Gesellschaft zur Förderung der Angewandten Forschung e.V., Germany (IBMT)
- Medical University of Vienna, Austria (MUW)
- University of Zurich, Switzerland (UZH)
- Katholieke Universiteit Leuven, Belgium (KUL)
- University of Antwerp, Belgium (UA)
- ARTTIC, France (ART)
- TissueGnostics GmbH, Austria (TG)

