

## TECAS-ITN Announces Secondary Education Summer School & Patient Focus Seminar 2014

July 17, 2014

**Hannover, DE** – The TECAS-ITN European Doctoral Academy in Regenerative Engineering at Hannover Medical School, announces that it will be organizing its 1<sup>st</sup> Summer School entitled “**From High School to University and Beyond**” between 1<sup>st</sup>-5<sup>th</sup> September 2014.

Participation in the Summer School is open to pupils in their 11<sup>th</sup> or 12<sup>th</sup> grade of Gymnasium (or equivalent), who wish to pursue university studies and careers in the fields of biomedical engineering, biotechnology, medicine, engineering, biology, and biochemistry, after graduation from the secondary education. Participation in the Summer School is also open to secondary education teachers.

The Summer School, which will also feature a separate programme for secondary education teachers, will include lectures, laboratory practicals, laboratory tours and career mentoring sessions for the pupils with senior academics, clinicians and researchers. Specifically, the 5-day programme will include the following activities:

| <u>Lectures/Courses</u>                 | <u>Lab Practicals</u>                                  |
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| Biomaterials                            | Tour of Corlife Laboratories                           |
| Biomechanics                            | Tour of MHH Laboratories                               |
| Tissue Engineering                      | Lab practical I: Biomechanical Testing of Heart Valves |
| Applied Biology                         | Lab practical II: Stem Cell Culture                    |
| Animals in Scientific Research          |  |
| Experimental Animal Welfare             |  |
| Translating Research into Therapies     |  |
| Presentation of heart valve replacement |  |
| Communications in Science               |  |
| Women in Science and Engineering        |  |
| Careers in Academia & Research          |  |
| Career Paths to Research Management     |  |
| Extracorporeal Oxygenation              |  |

Professor Axel Haverich will deliver the keynote address to the pupils and the teachers in the opening day of the School.

Participation in Science Summer School is free, and the participants will be awarded an official certificate of attendance of the proceedings of the school. The instruction will be delivered in German and English.

A Patient Focus Seminar will also take place on Friday, 5, 2014, focusing on the latest advances in cardiovascular surgery. The Patient Focus Seminar is open to the general public and is also free of charge. The Seminar will be delivered by PD Dr. Samir Sarikouch (Bereichsleiter Klinische Studien, Klinik für Herz-, Thorax-, Transplantations- und Gefäßchirurgie, Medizinische Hochschule Hannover).

### **About TECAS-ITN European Doctoral Academy in Regenerative Engineering**

The TECAS-ITN European Doctoral Academy in Regenerative Engineering integrates the major European researchers in the field of cardiovascular tissue engineering and regenerative medicine, generating a coherent framework of expertise which facilitates the training and career development of doctoral researchers. The Academy is funded by a 3.4 million euros grant from the European Commission through the Marie Curie Actions scheme and Framework 7.

### **About MHH**

The Hannover Medical School, founded in 1965, is one of the world's leading university medical centers. MHH's research and patient care set national and international standards. MHH's outstanding success in interdisciplinary collaboration both within the MHH and with extramural scientific institutions is reflected in the fact that the MHH is the German medical university with the greatest volume of grant funding.

### **Contacts**

For more information on the Summer School, Patient Focus Seminar and the TECAS-ITN European Doctoral Academy please contact:

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