



Cell Therapy and Tissue Engineering in Ticino

March 10th, 2016

In the last decade, the growth of the biotech sector in the Italian-speaking Switzerland has become increasingly important for the economy of the region and for the surrounding scientific environment, soon to be empowered by a new Faculty of Biomedical Sciences at the local Università della Svizzera Italiana (USI). Moreover, Regenerative Medicine research is being carried out at SIRM, a new research facility located in Taverne and shared by different companies and research institutions. In order to discover and have a deeper look on the evolving scientific and industrial framework of Ticino Canton, the next TEDD event will be held in Lugano, hosted by Cardiocentro Ticino and the Swiss Institute for Regenerative Medicine. During the event, speakers from the academic, clinical, and industrial sector of the region will present their activities and will discuss the ways in which they can connect and collaborate with other partners. Likewise, participants will have the opportunity to visit SIRM Laboratories, have a direct contact with research groups sharing information about methods and research activities.



HOSTING INSTITUTIONS



CARDIOCENTROTICINO

Based in Lugano and managed by a private, no-profit foundation, Cardiocentro Ticino (CCT) is a state-of-the-art, heart specialized hospital with a keen educational and research oriented vocation. Since its foundation in 1999, CCT has been strongly investing in research activities, believing that health care primacy could only be pursued by bringing to the patient the best competences and the newest therapies as soon as they become available. During the years, CCT has been conducting research in various fields, becoming an associated institute of the University of Zurich in 2012, and a “non-commercial research centre outside the higher education sector” officially recognized by Swiss federal authorities in 2014. One of the fastest growing research areas pioneered by CCT in the last decade is regenerative medicine. In fact, in 2004 CCT performed the country first stem cell transplantation in a patient with acute myocardial infarction, an experience that eventually led the center to build in 2008 its own swissmedic authorized GMP Cell factory. Since 2013, CCT laboratories for regenerative medicine have been moved to the Swiss Institute for Regenerative Medicine in Taverne.

www.cardiocentro.org

SIRM

Swiss
Institute for
Regenerative
Medicine

Founded in 2013, the Swiss Institute for Regenerative Medicine (SIRM), is the first Swiss institution entirely committed to develop and support R&D initiatives in the broad and revolutionary field of Regenerative Medicine. Through its activity, the institute strives to unleash the enormous potential of human body regeneration and supports the development of next-gen therapies that will shape the medicine of the future. In tight cooperation with key research institutions, clinical partners and biotech companies, the institute promotes networking and synergies between complementary institutions at local, national, and international level, creating opportunities for growth and therefore ensuring that the developed innovations are finally brought to the patients. Based in Taverne, current SIRM headquarters feature 1600 sqm of offices, labs and specialized research facilities hosting 10 research groups of 5 associates institutes: Cardiocentro Ticino, Neurocenter of Southern Switzerland, University of Applied Sciences of Southern Switzerland, Swiss Stem Cell Bank SA and Hyperstem SA.

www.sirm-institute.ch

PROGRAM

CARDIOCENTRO TICINO

- 10.00 **WELCOME COFFEE**
- 10.20 **Welcome**
Ursula Graf-Hausner, ZHAW / TEDD
- 10.30 **Welcome**
Tiziano Moccetti, Cardiocentro Ticino
- 10.40 **Biomedical research at Cardiocentro Ticino**
Giuseppe Vassalli, Cardiocentro Ticino
- 11.00 **Nanostructured biomaterials for regenerative medicine**
Nanotissue SAGL
- 11.20 **Therapeutic cells: The need for reproducible culture environments**
Ferruccio Messi, Cell Culture Technologies SA
- 11.40 **Biopolymers: An essential tool for tissue engineering**
Giuseppe Perale, SUPSI

12.00 **END OF THE MORNING, TRANSFER TO SIRM by CCT shuttle bus**

SIRM

- 12.30 **BUFFET LUNCH + POSTER SESSION**
- 13.30 **Welcome to SIRM**
Antonino Tramonte, SIRM
- 13.45 **LAB TOUR + SHORT PRESENTATIONS in small groups**
- 15.25 **COFFEE BREAK**
- 15.35 **Wrap up**
Ursula Graf-Hausner, ZHAW/TEDD
- 15.45 **END OF THE MEETING**
TRANSFER TO CARDIOCENTRO + LUGANO RAILWAY STATION
by CCT shuttle bus

MORNING

AFTERNOON

REGISTRATION

The number of participants is limited. TEDD Partners have priority. The deadline for registration is 01.03.2016. To register follow the link: <https://goo.gl/hEZ0mq>

COSTS

The workshop is free of charge (sponsored by Cardiocentro Ticino and SIRM)



VENUE

The Meeting will begin at Cardiocentro Ticino, which is located on the hill dominating the west of the city, less than 10 minutes walking distance from the central railway station and 10 minutes by taxi from the local airport (Lugano-Agno). By car: motorway exit Lugano Nord.

At the end of the morning participants will be transferred to SIRM by our shuttle bus for the lunch and to attend the afternoon program.

At the end of the day the shuttle bus will bring all the participants back to Cardiocentro Ticino and/or central railway station.

Cardiocentro Ticino
Via Tesserete 48
CH-6900 Lugano

ABOUT TEDD

The TEDD Competence Centre is a collaborative innovation platform, dedicated to 3D cell culture technology and organ-like tissue models for drug development, substance testing, personalized and regenerative medicine. The network pools and transfers knowledge and technologies in order to promote the further development and routine application of 3D cell culture. By combining diverse skills through integrative cooperation among our academic, clinical and industrial partners, TEDD covers the entire development and value chain and forms a powerful and successful network

