

## Research Project

### AngioMatTrain - Development of Biomaterial-based Delivery Systems for Ischemic Conditions: An Integrated Pan-European Approach

#### Project funded by own resources

**Project title** AngioMatTrain - Development of Biomaterial-based Delivery Systems for Ischemic Conditions: An Integrated Pan-European Approach

**Principal Investigator(s)** [Banfi, Andrea](#) ;

**Project Members** [Gianni' Barrera, Roberto](#) ;

#### Organisation / Research unit

Departement Biomedizin / Cell and Gene Therapy (Banfi)

**Project Website** <http://www.angiomattrain.eu>

**Project start** 01.05.2013

**Probable end** 30.04.2017

**Status** Completed

AngioMatTrain focuses on the comprehensive, multidisciplinary understanding of ischemic diseases, from basics to translation, fully supported by 9 full partners (5 universities, 1 hospital and 3 SMEs). This ITN will educate and train 12 Early Stage Researchers and 3 Experienced Researchers scientists in: tissue engineering, materials science, chemistry, functionalisation, cell biology, nanotechnology, bio-analytical techniques, animal models and prototype design. The researchers will undertake cross-disciplinary and intersectorial research projects, which when married together will deliver a novel, biomaterial-based, therapeutic device for the treatment of ischemic disease. 11 of the 12 ESRs will complete the AngioMatTrain PhD programme which is based on the promotion of knowledge through original research and is supported by additional discipline-specific and generic and transferable skills training. The research training programme is designed to ensure high-calibre graduates, best placed to secure employment in the private or public sector. Fellows will experience both private and public sector research and development environments through a considered secondment plan.

#### Financed by

Other funds

#### Add publication

##### Published results

4373717, Martino, Mikaël M.; Brkic, Sime; Bovo, Emmanuela; Burger, Maximilian; Schaefer, Dirk J.; Wolff, Thomas; Gürke, Lorenz; Briquez, Priscilla S.; Larsson, Hans M.; Gianni-Barrera, Roberto; Hubbell, Jeffrey A.; Banfi, Andrea, Extracellular matrix and growth factor engineering for controlled angiogenesis in regenerative medicine, 2296-4185, Frontiers in bioengineering and biotechnology, JournalItem (Kommentare, Editorials, Rezensionen, Urteilsanmerk., etc. in einer wissensch. Zeitschr.

4486210, Groppa, Elena; Brkic, Sime; Uccelli, Andrea; Wirth, Galina; Korpisalo-Pirinen, Petra; Filippova, Maria; Dasen, Boris; Sacchi, Veronica; Muraro, Manuele Giuseppe; Trani, Marianna; Reginato, Silvia; Gianni-Barrera, Roberto; Ylä-Herttuala, Seppo; Banfi, Andrea, EphrinB2/EphB4 signaling regulates non-sprouting angiogenesis by VEGF, 1469-3178 ; 1469-221X, EMBO reports, Publication: JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)

**Add documents**

**Specify cooperation partners**