

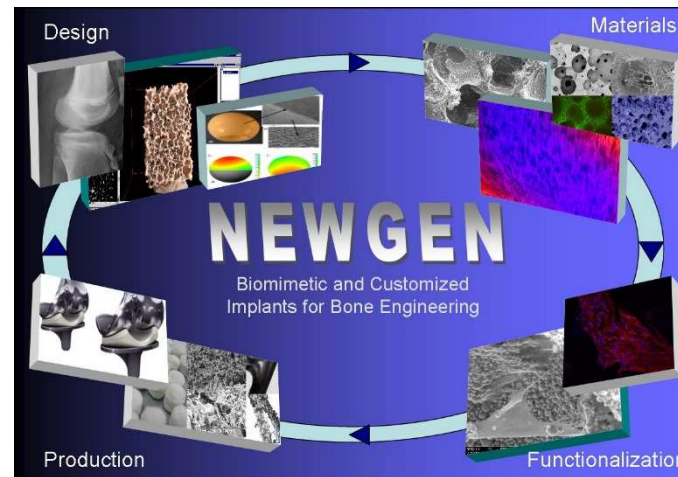
NEWGEN

NEW GENERATION BIOMIMETIC AND CUSTOMIZED IMPLANTS FOR BONE ENGINEERING

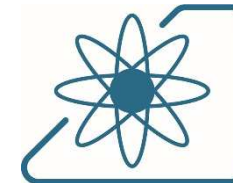
Dr. Francis Cambier



ΠΑΝΕΠΙΣΤΗΜΙΟ
ΠΑΤΡΩΝ
UNIVERSITY OF PATRAS



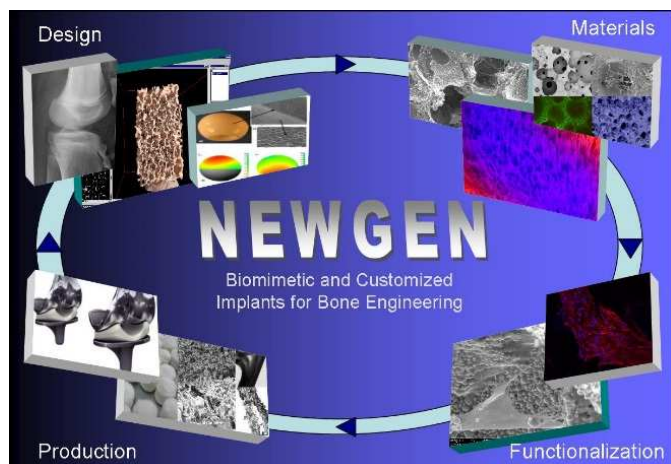
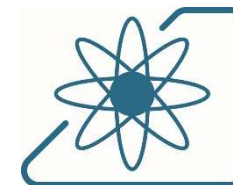
PATRAS (Greece), May 10th, 2017



Acknowledgement

University of Patras (Greece)

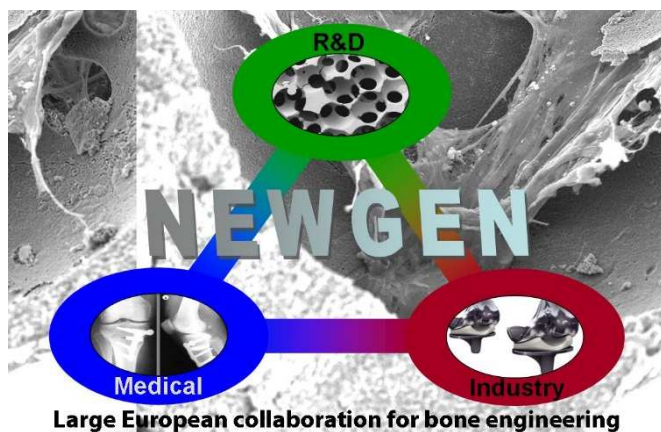
Local organizer: Prof. Y. Missirlis



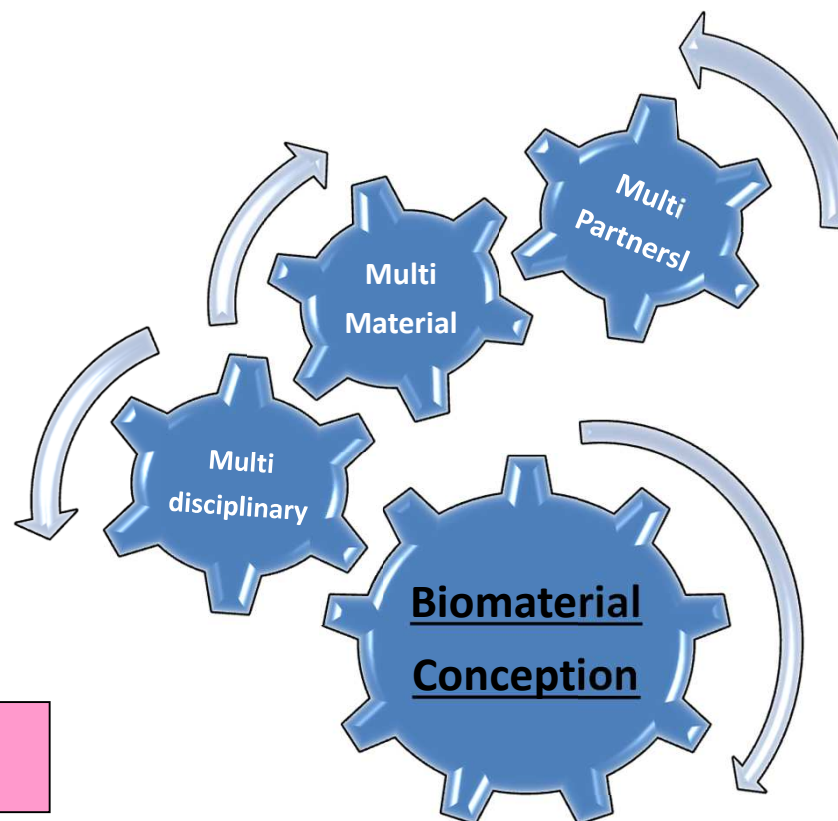
Chair: Dr. F. Cambier (BCRC, BE)

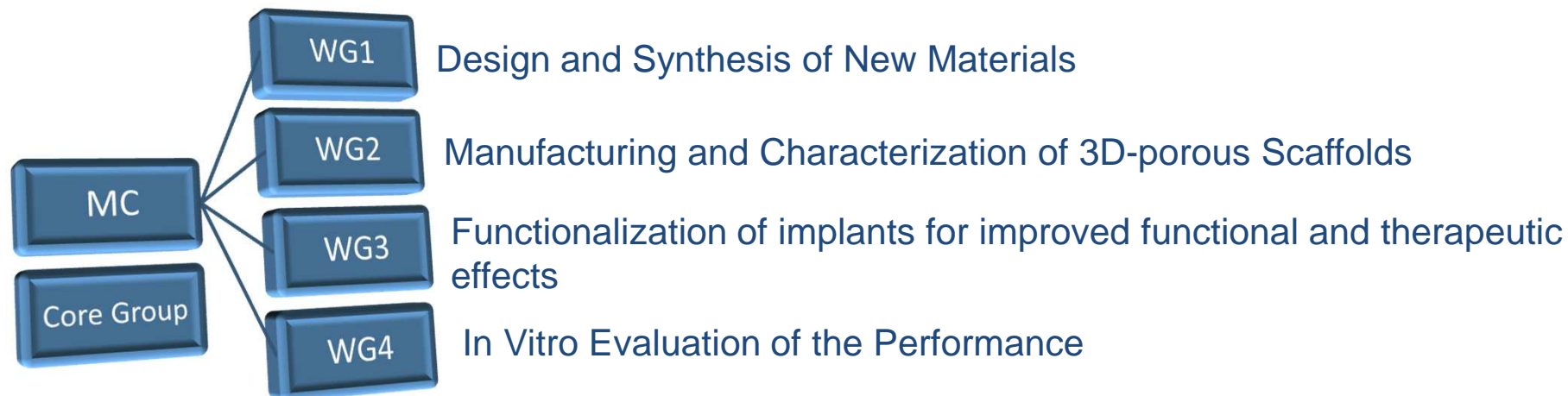
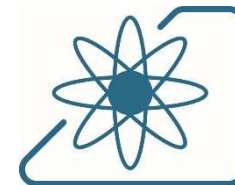
Vice-Chair: Dr. P. Palmero (Politecnico di Torino, IT)

www.cost-newgen.org



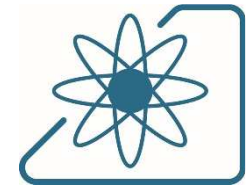
→ Unique opportunity to link European researchers to industries and end-users



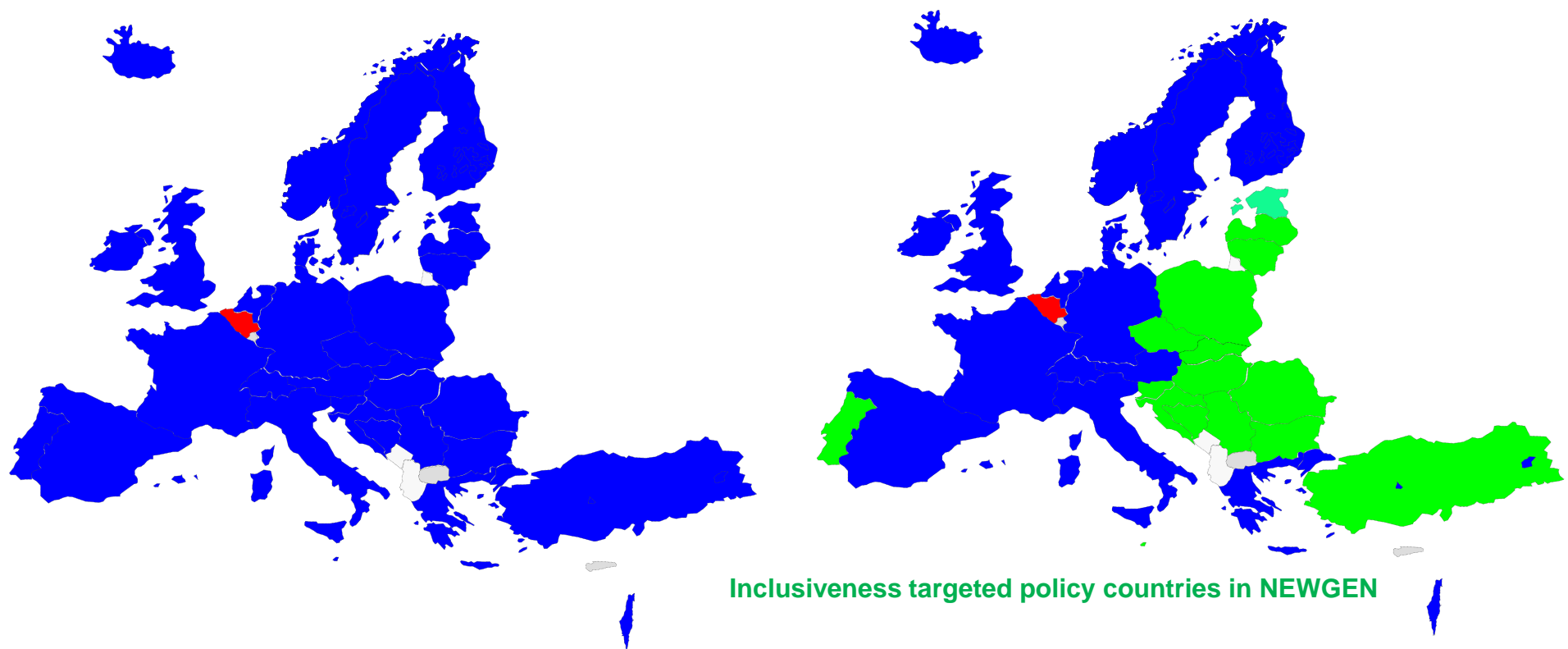


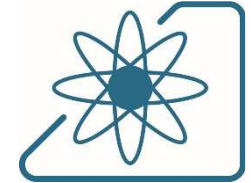
- **8 workshops**
- **7 calls for STSM (40 grantees up to now)**
- **2 training schools**
- **More than 30 scientific publications**

7th (and last) call for STSM : open since May 1st!!!



Our consortium!

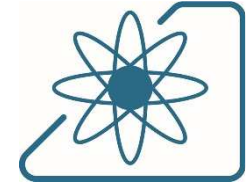




Overview of the consortium

- status of the Action

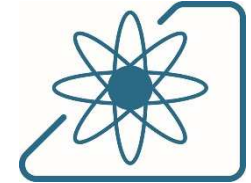
- Start of NEWGEN : **October 2nd, 2013** / End : **October 1st, 2017**
- **33 countries + 3 IPC : USA + Canada + Australia**
- **Whole consortium**
 - 167 institutions
 - Universities: 89;
 - R&D Centers: 24;
 - Industry: 22;
 - Medicine: 22
 - 327 contacts in the mailing list
 - Gender balance = 39% / Inclusiveness = 33%



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NEWGEN Final Event

Vienna (AT) – August 28th-29th, 2017

Workshop title:

Patient-specific tissue engineering – An ambitious goal requiring a „holistic“ approach

Venue:

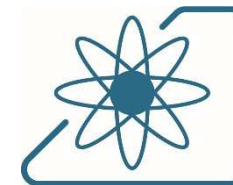
Vienna University of Technology, Austria

Topics:

All subdisciplines of tissue engineering will be welcome, including

- material production and processing,
- in vitro studies,
- clinical trials, and
- computational modeling





1st Training School in Madrid

○ June 17th to 19th, 2015

SUMMER SCHOOL

CERAMIC & GLASS SCIENCE & TECHNOLOGY,
APPLICATION TO BIOCERAMICS & BIOGLASSES

With a predicted ageing population and increasing expectations regarding the quality of life, there is an ever increasing demand for procedures such as total hip replacements, bone reconstructions, or spinal fusions, resulting from conditions such as articular cartilage degeneration, osteoporosis, accidents, etc. This is the aim of this summer school to focus on state of the art and new processing methods for the industrial production of ceramic products for healthcare and on clinical applications, with insights into interactions between biomaterials and tissues (especially bone) and on structural integrity at long term. Hot topics, such as additive manufacturing of complex shapes, surface modifications, tissue engineering, will be discussed. The school will represent a unique opportunity for PhD student and young searchers to meet and learn from internationally recognized experts.

From Wednesday 17 to Friday 19 June 2015 In Madrid – Spain

The school is organized the week before the 14th Conference of the European Ceramic Society (21-25/06/2015 – Toledo, Spain).



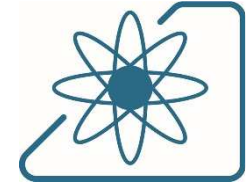
Public: undergraduated, last year of Master studies, starting PhD, post docs, professionals ☐ **Limited to 100 participants!!**
- **Price:** 250 € including accomodation and meals ☐ **Deadline for registration:** 15/04/2015 ☐ **For more information :**
www.ecers2015.org - ☐ **Contact:** school2015@bcrc.be ☐ **With the support of**



- 15 lectures
- 60 students

Training School – PATRAS (Greece) – May 10th, 2017



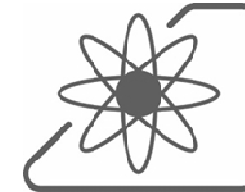


2nd Training School in Patras



TRAINING SCHOOL **NON LIVING MATERIALS MEET LIVING BIOLOGY**

Patras, Greece – 9-12 May 2017



**COST MP1301
NEWGEN**

- **12 lectures**
- **35 students**
- **Poster contest**
- Bone structure and properties
- Cell biology, Bone physiology;
- Biocompatibility; Biointerphase;
- Processing of materials and final surface characteristics;
- Scaffold design, processing, biodegradation/resorption;
- Mechanobiology;
- Bone Tissue Engineering;
- In vivo experimental procedures and Surgical aspects



JECS
Trust

The Young Ceramists Network (YCN)

connects young students and professionals in the ceramics domain

A simple idea: Bring young ceramists together to offer networking and opportunities during and after studies

- Currently +200 members
- Funded by JECS trust
- Activities run in Social Media

Coming soon:

- New website (+ New look!)
- Newsletters for people outside social media
- Job/Research opportunities from all over Europe

YCN leads the way:

Join the YCN committee, see the world and make a difference!

Upcoming events organized by YCN:

- Student meeting: Novi Sad, Serbia, 10/2017
- Student evening: ECerS conference, Hungary, 7/2017
- Ceramic Future Summit: October 2018

Join in!



YCN – Ceramic social club



Young Ceramists Network