



## Research Networking Programmes

### Science Meeting – Scientific Report

**Scientific report (one single document in WORD or PDF file) should be submitted online within two months of the event. It should not exceed seven A4 pages.**

***Proposal Title:*** *Steering Committee Meeting*

***Application Reference N°:*** *5270*

#### 1) Summary (up to one page)

A list of future topics for Horizon 2020 at the end of REMEDIC was one of the deliverables in the action plan approved by the Steering Board of REMEDIC on Febr. 07, 2012. During the past meetings organized by REMEDIC, there was no time to discuss future topics for integrated European research. All other deliverables and milestones have been achieved. The purpose of the meeting of the REMEDIC Steering Committee and of representatives of the Alliance for Advanced Therapies on Oct. 30 - 31, 2013, in Vienna was to discuss the most interesting topics for Horizon 2020, possibilities for integrated European research, and how to implement a European PhD training network. Possible future topics that were discussed during the meeting include mechanism of stem cell action, safety of ATMPs, inflammation and tissue regeneration, micro-to-macro tissue engineering, mechanisms of prosthetic failure. 'Engineering of living 3D implants' was considered as a REMEDIC joint potential topic for the current Horizon 2020 draft call PHC 16 - 2015. The possibilities for European PhD programme in Regenerative Medicine were also discussed. Although there was general agreement that a European PhD programme in Regenerative Medicine would be something very desirable, the participants were not aware of any larger programmes which would allow inclusion of all major driving forces in the regenerative medicine field in Europe.

## 2) Description of the scientific content of and discussions at the event (up to four pages)

The REMEDIC Steering Committee meeting on Oct. 30 - 31, 2013, in Vienna started with a business dinner on Oct. 30. Professor Reinhold G. Erben, Professor Yrjö Konttinen, Dr. Gudrun Tiedemann, Dr. Nuria Vilaboa, Dr. Ana Paula Pêgo, Dr. Eric Farrell, Dr. Wilfried Dalemans, and Alexander Vos took part in the business dinner.

The Steering Board meeting on Oct. 31 at the Hilton Hotel, Vienna, Austria, started as planned at 9:00 with a short introduction of all the participants, briefly characterizing their fields of research and interest. The full list of participants is given in Annex4b.

We then moved on to discuss future topics in Horizon 2020 not covered by the current draft calls. The discussion among the participants was lively and constructive. Alexander Vos as representative of the Alliance for Advanced Therapies stressed the importance of joint research projects between academy and the private sector and the willingness of AAT to support initiatives in this field of research. The following topics were discussed and considered to be of high interest for European research:

- Mechanism of stem cell action in regenerative medicine
- Safety of ATMPs
- Inflammation and tissue regeneration
- Micro-to-macro tissue engineering
- Mechanisms of prosthetic failure

Next, we discussed the possibilities for applications of members of REMEDIC and AAT under the current draft calls. The centres in Leuven and Rostock will try to apply for the clinical calls because they have everything in place, especially also ethical approval for their clinical studies. It was discussed that some FP7-funded programmes had failed because they were not able to get ethical approval within the funding period. Therefore, it was felt that the requirement for ethical approval for applications under the clinically orientated calls in Horizon 2020 is actually a good thing.

After a long and lively discussion, there was general agreement that 'Engineering of living 3D implants' could be a REMEDIC joint topic for the current Horizon 2020 draft call PHC 16 – 2015 'Tools and technologies for advanced therapies'. This is currently a hot topic, and some groups represented in REMEDIC could make strong contributions to this area of research. The first Horizon 2020 calls will be published on Dec. 11, 2013. It was decided to wait with more concrete planning activities until the calls are published.

At the end of the meeting, we briefly discussed the possibilities for a European PhD programme in Regenerative Medicine. This discussion extended into the business lunch. Although there was general agreement about the strategic importance of such a programme for Europe and everybody would be happy to participate, the participants were not aware of any larger programmes which would allow inclusion of all major driving forces in the regenerative medicine field in Europe. The vision for a joint European PhD programme in Regenerative Medicine would be to include all major

centres in Europe working in this field. At least about 25 – 30 PhD positions would be needed to cover this. ITNs are too small and it was felt that the full participation of the private sector is often a problem in ITNs. In conclusion, we felt that the appropriate European funding tools are missing here.

The meeting ended after the business lunch as planned at 14:00 on Oct. 31, 2013.

**3) Assessment of the results and impact of the event on the future directions of the field (up to two pages)**

The remaining deliverable of the action plan for REMEDIC, the list of future topics for Horizon 2020, was achieved during the meeting. The list of future topics will be sent to the European Commission through the Chair of REMEDIC. The meeting also paved the way for hopefully successful joint applications of members of REMEDIC and AAT under Horizon 2020. The new website of REMEDIC going online in 2014 will be used as a communication platform to facilitate exchange of ideas in this rapidly evolving field.

**4) Annexes 4a) and 4b): Programme of the meeting and full list of speakers and participants**

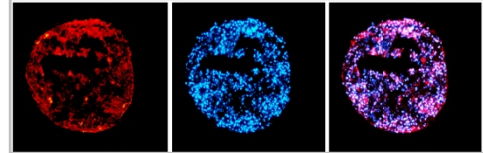
ESF Research Networking Programme (RNP)  
Regenerative Medicine (REMEDIC)



## Steering Committee Meeting

Hilton Vienna Hotel  
Am Stadtpark 1, Vienna, Austria,

October 31<sup>st</sup>, 2013, 09:00 – 14:00



### Participants:

#### Steering Committee Members

Prof. Reinhold G. Erben  
Dr. Eric Farrell (replacing Prof. Gerjo van Osch)  
Prof. Moustapha Kassem  
Prof. Yrjö Konttinen  
Prof. Frank Luyten  
Dr. Ana Paula Pêgo  
Dr. Gudrun Tiedemann (replacing Prof. Gustav Steinhoff)  
Dr. Nuria Vilaboa (replacing Prof. Enrique Gomez Barrena)

#### Guests

Dr. Wilfried Dalemans, TiGenix  
Dr. Sophie Dale-Black, Centre for Biological Engineering, Loughborough University  
AAT Representative

## AGENDA

### 1. Welcome and Opening

Professor Reinhold Erben, Chair

### 2. Brief introduction of the participating groups

### 3. Discussion about future topics and possibilities for joint applications in Horizon 2020

### 4. Closing



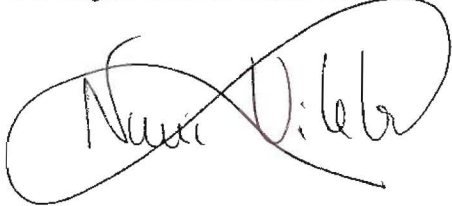
European Science Foundation (ESF)  
Research Networking Programme on  
**Regenerative Medicine (REMEDIC)**  
Steering Committee Meeting  
Hilton Hotel Vienna (AT)  
Oct. 31<sup>st</sup>, 2013

### LIST OF PARTICIPANTS

<b>Reinhold G. Erben</b> AUSTRIA	 <i>Signature</i>
<b>Yrjö Konttinen</b> FINLAND	 <i>Signature</i>
<b>Frank Luyten</b> BELGIUM	 <i>Signature</i>
<b>Ana Paula Pêgo</b> PORTUGAL	 <i>Signature</i>
<b>Eric Farrell</b> (replacing Gerjo van Osch) THE NETHERLANDS	 <i>Signature</i>
<b>Kamal Mustafa</b> (replacing Kristina Arvidson) NORWAY	 <i>Signature</i>



**European Science Foundation (ESF)**  
**Research Networking Programme on**  
**Regenerative Medicine (REMEDIC)**  
*Steering Committee Meeting*  
*Hilton Hotel Vienna (AT)*  
*Oct. 31<sup>st</sup>, 2013*

<p><b>Gudrun Tiedemann</b> <b>(replacing Gustav Steinhoff)</b> GERMANY</p>	 <p>Signature</p>
<p><b>Nuria Vilaboa</b> <b>(replacing Enrique Gomez Barrena)</b> SPAIN</p>	 <p>Signature</p>
<p><b>Sophie Dale-Black</b> Loughborough University, England</p>	 <p>Signature</p>
<p><b>Wilfried Dalemans</b> TiGenix, The Netherlands BELGIUM</p>	 <p>Signature</p>
<p><b>Alexander Vos</b> AAT representative, The Netherlands</p>	 <p>Signature</p>
	<p>Signature</p>