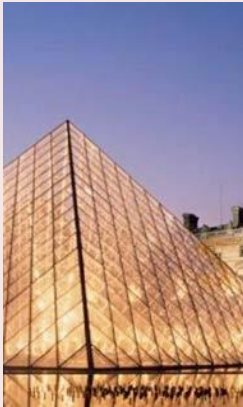




## 2<sup>nd</sup> ESTROT CONGRESS

*European Society of Tissue Regeneration in Orthopaedics and Traumatology*



*CHAIRMAN: Thierry Bégué*



*June, 27<sup>th</sup>, 28<sup>th</sup>, 29<sup>th</sup> 2016*

*Paris, Medical School*

**PREFINAL PROGRAM**

*Dear Colleague, Dear Friend,*

*It is a great honor to organize the Second congress of our rather young Society ESTROT, where we shall be able to share our experience in reconstruction of the locomotor apparatus in all of its components.*

*ESTROT is a combined society devoted to clinicians and researchers, and discussions between us will guarantee new developments for a better healthcare to our patients.*

*This second congress will focus on different topics with a clear view of where we are and where we try to go. So we shall get an update on bone reconstruction, cartilage repair, tendon reconstruction, new trends for ligament reconstruction, nerve regeneration. BMP, PRP and MSC will be at the center of our discussions during the entire meeting. To stay on top of clinical and experimental research, just join this Second ESTROT meeting.*

*Paris is looking forward to meeting you.*

*Thierry Bégué*

<b><i>ESTROT Founders:</i></b>	<b><i>Organising Committee:</i></b>	<b><i>Scientific Committee:</i></b>
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		Marcacci Maurilio
		Verdonk René
		Zimmermann Gerald

## TOPICS

- › PRP in Cartilage and Tendon repair (or reconstruction)
  - › Biocomposite in ACL reconstruction
    - › Biological chambers
  - › MSC what we do, what we can do



***ABSTRACT SUBMISSION: DEADLINE 10/06/2016***  
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**ESTROT Secretariat**  
**Keep International [estrot@keepinternational.net](mailto:estrot@keepinternational.net)**

- 12.30 Registration of participants
- 13.00 Welcome allocution  
**T. Bégué**, Chairman of the meeting
- 13.15 ESTROT Society presentation  
**G.M. Calori**, President of ESTROT
- 13.30 Innovation and new technologies in Paris-Sud University  
**S. Retailleau**, President of Paris-Sud University - Orsay
- 14.00 Innovations in Surgery and Regenerative research at Paris-Sud Medical School  
**S. Bobin**, Dean of Medical School

❖ **1<sup>ST</sup> SESSION: BONE**

- 14.30 **Keynote lecture:** Fractures and patients at risk of non-union  
**G. M. Calori**
- 15.00 **ROUND TABLE:** management of risk factors to prevent non-union. A European perspective:  
**T. Blokhuis, P. Cherubino, M. Soubeyrand  
G. Zimmermann**
- 16.00 COFFEE BREAK

❖ **2<sup>ND</sup> SESSION: CARTILAGE**

- 16.30 **Keynote lecture:** Autologous cartilage transplantation  
**G. Zimmermann**
- 17.00 **ROUND TABLE:** Cartilage defects in the lower limb  
I prefer mosaicoplasty - **R. Radulescu**  
I prefer stem cells implantation - **M. Marcacci**  
I prefer microfractures – **G. Versier**  
I prefer Scaffold implantation

❖ **3<sup>RD</sup> SESSION: TENDON**

14.30 **Keynote lecture:** Tendon reconstruction using PRP  
What is the evidence? - ***F. Benazzo***

15.00 **FREE PAPER SESSION ON TENDON RECONSTRUCTION**  
(10 papers of 6')  
Moderators: ***P. Hardy, N. Kanakaris***

16.00 COFFEE BREAK

❖ **4<sup>TH</sup> SESSION: SKIN**

16.30 Skin regenerative therapies : Are commercial products really effective? What is the evidence? – ***S. Levante***

17.00 **ROUND TABLE:** Skin regenerative procedures. What am I using, and for what?  
***J. Lataillade, E. Bey, S. Marheuzer, J. Simmons***

❖ **1<sup>ST</sup> RESEARCH SESSION CARTILAGE**

- 14.30 **Keynote lecture:** Subchondral bone: new frontiers for biological reconstruction? - **M. Marcacci**
- 15.00 **ROUND TABLE:** In vitro survivorship of cartilage cells  
**H. Petite, E. Kon, F. Forriol, P. Duda, Gomes**
- 16.00 COFFEE BREAK

❖ **2<sup>ST</sup> RESEARCH SESSION – FREE PAPERS**

**Subject: General and PRP**

Moderators: **P. Cherubino, O. Gagey**

- 16.30 Implementation of Guidelines: The experience of Hospital G. Pini  
**M. Nobile, P. Navone, M. Colombo, F. Auxilia, G.M. Calori**
- 16.40 Kienbock's disease: our experience in treatment with bone graft substitute and PRP –  
**A. Parlato, A. Conti, A. D'arienzo, S. Mannino, M. D'arienzo**
- 16.50 PRP in sports medicine and orthopedics field: application of dose concept through a meta-analysis of 21 randomized clinical trial  
**J. Magalon, M. Louis, J. Veran, H. Aboudou, L. Giraudo, F. Sabatier**
- 17.00 Chemotaxis of neutrophils towards the human fracture hematoma in vitro  
**O.W. Bastian, M.H. Mrozek, M. Raaben, L. Koenderman, L.P.H. Leenen, T.J. Blokhuis**
- 17.10 Using of autologous platelet rich plasma activated with autologous thrombin in order to stimulate meniscal healing.  
**D. Abazovic, T. Palibrk, S. Džudović**
- 17.20 Pain reduction in patients treated with gel leuco-platelet infiltration: preliminary results in orthopaedic diseases  
**C. D'antimo, S. Di Fabio, A. Borean, C. Salfi, I. Pirola**
- 17.30 Exogen ultrasound system against national guidance  
**A. Sorial, R. Harrison, A. Khunda, A. Rafee, D. Sprott, R. Wilke**

❖ 5<sup>TH</sup> SESSION : CELLS

08.30 MSC's in bone non-union. How to get them ? My practice and evolution - ***P. Hernigou***

09.00 **ROUND TABLE:** cells in bone non-union

- The life of stem cells - ***P. Giannoudis***
- Hypoxia and Glucose for MSC's survival - ***H. Petite***
- Stimulation of MSC's development - ***H. Simpson***
- How I use MSC's for regenerative surgery in musculoskeletal system - ***M. Marcacci***
- Application of MSC in non union : my experience ***G. Zimmermann***

10.00 Coffee break

❖ 6<sup>TH</sup> SESSION

10.30 **Lecture:** Free vascularized transfers for critical bone size defects after tumor resection. How to get a success in difficult cases - ***R. Capanna***

11.30 **Lecture:** Reconstruction with induced membrane : theory, results, tips and tricks - ***A.C. Masquelet***

❖ **7<sup>TH</sup> SESSION : BONE NON-UNION WITHOUT BONE DEFECT**

08.30 **Keynote lecture:** Non-unions in the upper limb:  
evaluation and treatment - *L. Obert*

09.00 **ROUND TABLE:** Non-union without bone defect: my preferred  
method of treatment  
*P. Cherubino, N. Maroudias, S. Larsson, G. Zimmermann,  
O. Aydingoz*

10.00 Coffee break

❖ **8<sup>TH</sup> SESSION : GROWTH FACTORS**

10.30 **Keynote lecture:** Growth factors and regenerative  
therapies - *G. Schmidmaier*

11.00 **Keynote lecture:** Human epidermal growth factor in the  
treatment of diabetic foot ulcers - *C. Buke*

11.30 **FREE PAPERS** on Growth factors. (15 papers of 6')  
Moderators: *G. Schmidmaier, J.C. Auregan*



❖ **9<sup>TH</sup> SESSION : NERVE**

08.30 **Keynote lecture:** Regenerative therapies (cells and growth factors) in nerve reconstruction - ***M. Chammas***

09.00 **FREE PAPERS** on nerve regenerative procedures  
Moderators: ***L. Obert , H. Simpson***

10.00 Coffee break

❖ **10<sup>TH</sup> SESSION FREE PAPER** on Bone substitutes and Biomaterials

Moderators: ***J. Salo, JJC Arts***

10.30 Our Ongoing Experience With A Polyurethane Urea Biomaterial  
***E. L. Mazza, M. Colombo, E. Malagoli, S. Mazzola, G. M. Calori***

10.40 Bioactive glass S53P4 in the treatment of osteomyelitis – a multinational study  
***N.C. Lindfors, J. Geurts, L. Drago, J.J. Arts, V. Juutilainen, P. Hyvönen, A. Suda, D. Aloj, S. Artiacco, C. Alizadeh, A. Brychcy, J. Bialecki, C. Romanò***

12.00 HRpQCT imaging in bone healing - ***JJC Arts***

12.30 ***ESTROT Board meeting***

**13.00 BONALIVE LUNCH SYMPOSIUM - AMPHI A**

**13.00 WALDEMAR LINK SYMPOSIUM - AMPHI B**

14.00 ***ESTROT General Assembly***

❖ **11<sup>TH</sup> SESSION FUTURE ADVANCES**

14.30 **Keynote lecture:** Massive prosthesis for bone defects over reconstructive possibilities - ***G.M. Calori***

15.00 **ROUND TABLE:** Tribology session of massive prosthesis  
***F. Gouin, J. Vaquero, G.M. Calori***

16.00 COFFEE BREAK

❖ **12<sup>TH</sup> SESSION : CARTILAGE, REGENERATIVE THERAPIES**

16.30 **Keynote lecture:** Early Osteoarthritis : biological solutions - ***E. Kon***

17.00 **ROUND TABLE:** chondrocyte transplantation. What is the evidence.- ***E. Kon, H. Petite***

❖ **13<sup>TH</sup> SESSION MENISCUS**

14.30 **Keynote lecture:** Meniscus allograft. Is there an alternative in regenerative therapies ?  
**R. Verdonk**

15.00 **ROUND TABLE:** Regenerative therapies in meniscus repair  
**P. Beaufils**

16.00 COFFEE BREAK

❖ **14<sup>TH</sup> SESSION: SCAFFOLD**

16.30 How I choose the correct scaffold for post-traumatic defects  
**N. Kanakaris**

17.00 Types of scaffolds. Advantages and pitfalls. Algorhythm to decide. View from research – **JJC Arts**

17.30 Scaffolds for reconstruction of massive defects in revision arthroplasties

❖ **15<sup>TH</sup> SESSION FREE PAPER**

**Topic : Bone**

Moderators: ***N. Borici, N. Maroudias***

- 14.30 Surgical techniques and biomaterials in the treatment of post-traumatic bone defects  
***R. Varsalona, S. Caruso***
- 14.40 Increased osteogenic capacity of Reamer/Irrigator/Aspirator derived Mesenchymal Stem Cells  
***R. Van der Bel, T.J. Blokhuis***
- 14.50 Contemporary approaches in perioperative preparation and application of autologous bone graft in fracture nonunion  
***D. Abazovic, T. Palibrk, A. Lešic, M. Bumbaširevic***
- 15.00 Surgical technique and evaluation at long follow-up of a cartilage autograft from rib at wrist & hand surgery  
***L. Obert, F. Loisel, D. Lepage***
- 15.10 Induced membrane technique (masquelet technique) to treat bone defect at hand level prospective multicenter evaluation  
***L. Obert, T. Rondot, V. Morris, D. Cheval, F. Gindraux, F. Loisel***
- 15.20 Induced membrane technique masquelet technique to treat bone defect at upper limb level - Prospective multicenter evaluation  
***L. Obert, F. Loisel, T. Rondot, D. Cheval, F. Gindraux***
- 15.30 Fingertip reconstruction with occlusive dressing: Clinical results and biological analysis of the dressing content's  
***L. Obert, F. Loisel, J. Boudard, J. Pauchot***
- 16.00 COFFEE BREAK

08.00

❖ **16<sup>TH</sup> SESSION RESEARCH : PRP IN REGENERATIVE SURGERIES**

10.00 COFFEE BREAK

❖ **17<sup>th</sup> SESSION BONE : NON-UNION WITH CRITICAL BONE DEFECT**

10.30 Treatment of critical sized acute bone defects using regenerative therapies

***T. Bégué***

11.00 ROUND TABLE: Bone defects management. My preferred method of treatment

***E. Guerado, A. Martson, P. Giannoudis, K. Aktuglu, P. Cherubino, P. Hoffmeyer***

12.30 **Closure of the Meeting**

❖ **18<sup>TH</sup> SESSION : BONE INFECTION**

08.30 **Keynote lecture:** Bioglasses in reconstruction surgery after infection - ***T. Bégué***

❖ **FREE PAPER SESSION:** Infected non-union. Biological management  
Moderators: ***G. Schmidmaier, N. Kanakaris***

9.00 Developing a model for analysing the extra costs associated with Surgical Site Infections (SSIs  
***P. Navone, P. Nobile, M. Orzella, A. Auxilia, M. Colombo, G.M. Calori***

9.10 Successful treatment of localise chronic osteomyelitis involving surgical debridement, implantation of commercially-available tobramycin-impregnated calcium sulphate pellets and systemic Antibiotics  
***A. Rafee, S. Bitar, A. Khunda, R Wilkes***

10.00 COFFEE BREAK

❖ **19<sup>TH</sup> SESSION SCAFFOLD, DBM AND BMP'S  
EDUCATIONAL PROGRAM – ICL**

08.30 The Diamond concept in regenerative surgery - ***P. Giannoudis***

09.00 Non-union scoring system - ***G.M. Calori***

09.30 The RIAS system in Regenerative therapies. A combined tool  
***G. Schmidmaier***

10.00 COFFEE BREAK

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# INFORMATION



## **VENUE:**

### **University Paris Sud**

Faculté de médecine - Kremlin Bicêtre

63, rue Gabriel Péri 94276 Le Kremlin-Bicêtre cedex

## **REGISTRATION**

<b>Medical Doctors</b>	<b>€ 350,00 (taxes included)</b>
<b>Student, Residents and Nurses</b>	<b>€ 100,00 (taxes included)</b>
<b>Researchers</b>	<b>€ 150,00 (taxes included)</b>
<b>Industry Attendees</b>	<b>€ 150,00</b>

Fees are taxes included increased by 50 euros after 10/06/2016

**Cancellation Policy:** Registration fees are non refundable

### **Registration fee includes:**

*Participation to scientific sessions.*

*Congress bag, lunch and coffee breaks*

*Badge and certificate of attendance*

**CONTACT FOR REGISTRATION: [info@keepinternational.net](mailto:info@keepinternational.net)**

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