



COST ACTION B23
”Oral-facial development and regeneration”

**Working Groups, 3, and 4 and Management Committee
Meeting**

**“NEW FRONTIERS IN ORAL FACIAL REGENERATION:
From the lab’s bench to the patient’s bedside”**

VENUE

**“Gran Hotel Rey Don Jaime”
Avenida del Hotel, 22
Castelldefels,
Barcelona, Spain**

LOCAL ORGANISER

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DATES

31 MAY-2 JUNE 2007



SCIENTIFIC PROGRAMME

**“NEW FRONTIERS IN ORAL FACIAL REGENERATION:
From the lab’s bench to the patient’s bedside”**

31 May 2007

10h’ Opening ceremony

10h30h Keynote Lecture: : Multidisciplinary approach to the facial clefts: the clinician’s touch.. Dr. T Coelho, Hospital Sao Joao-Facultade de Medicina, Universidade de Porto, PORTUGAL

11h30’: Coffe-break

12h: WORKING GROUP 3: GENETIC ANOMALIES

Chairs: A Bloch-Zupan, JM Ustrell-Torrent. Oral Communications

12h10: New clinical features and new genetic events in Gorlin síndrome, P Gorry, Bordeaux, France.

12h25: Prevalence Of Tooth Agenesis And Related Pathologies In A Spanish Population, V Tallon, Barcelona, Spain

12h40: Causal Gene Evaluation Of Cleft Lip And/Or Palate Patients, I Grinfelde, Riga, Latvia

12H55: Craniofacial And Bone Phenotypes Associated To X-Linked Hypohidrotic Ectodermal Dysplasia (Xlhed), F Clauss, Strasbourg, France

13h10: Oral-dental Malformations. Prevalence, Phenotype-Genotype Relationship And Associated Pathologies, M Gouveia, Porto, Portugal

13H25: Prevalence of Tooth Agenesis and related pathologies in the Barcelona University Dental Clinic A Ureta, Barcelona, Spain

13h40: Cleft Lip And Palate Epidemiology Based On A Hospital Sample – Hospital São João Of Porto, J. Correia-Pinto, Porto, Portugal

14 h: Lunch

15h30: Chairs: K. Heikinheimo, F Unda. Oral Communications

15h40: The Clinical Relevance Of Demarcing The Frontonasal Field In The Human Face, Cranium And Dentition, I Kjaer, Copenhagen, Denmark

15h55: Genomic Characterization Of Keratocystic Odontogenic Tumour (Odontogenic Keratocyst) Associated With Nevoid Basal Cell Carcinoma Syndrome; J Jee, Turku, Finland

16h10: Is Unexpected Early Apical Resorption Of Primary Teeth A Clinical Sign Which Predispose For Resorption Of Permanent Teeth? ML Bille, Copenhagen, Denmark,

16h25: Epiprofin/SP6, A Zinc-Finger Transcription Factor, Is Essential For Ectodermal Tissue Formation, L Jiménez, Vizcaya, Spain

16h30': Coffee break

16H40: Tooth Phenotype On The Tbx1 Mouse Model For Digeorge Syndrome, J Catón, London UK

16H55: TGF- β 1 and TGF- β 3 in Cell Death During Palate Fusion, C Martínez, Madrid, Spain

17H10: Changes Observed Over Time In Nociceptive Fiber Development After Neonatal Capsaicin Treatment, T Krage, Duesseldorf, Germany

1 June 2007

10h WORKING GROUP 4: TISSUE REGENERATION/APPLICATIONS

:Keynote Lecture: "Role of microenvironment squamous epithelial stem cells".

**Prof. Dr Yann BARRANDON, École Polytechnique Fédérale de Lausanne,
SWITZERLAND**

11h: Coffee break

11h 30' Chairs: I Bindermann, F. Ventura-Pujol. Oral Communications

11h40: Dentonin, a MEPE fragment, initiates pulp healing response to injury; M Goldberg, Paris, France

11h55: Molecular Changes During Early Phases Of Bone Regeneration, H Bahar, Jerusalem, Israel

12h10: Human Gingival, Periodontal Ligament And Alveolar Bone Cell Cultures: A Comparative Study, MH Fernandes, Porto, Portugal

12h25: Alveolar bone loss is triggered by extracellular ATP and its receptor P2X4 in marginal gingival fibroblasts, I Binderman, Jerusalem, Israel

12h40: Ultrastructural Analysis Of Pericyte Distribution And Migration After Pulp-Capping In Rat Molars, I Lambrechts, Limburg, Belgium

12h55: Biological Response To Bone Substitutes: In Vitro Cell Culture Models, MH Fernandes, Porto, Portugal

13 h30: Lunch

15h: Chairs:.H Magloire, R Pérez-Tomás. Oral Communications

15h10: Are Ancient Mechanisms Of Replacement Tooth Formation Conserved In Bony Fish?, A Huysseune, Ghent, Belgium

15H25: Use of evolutionary analysis of AMEL to validate amelogenesis imperfecta and some comments on AMEL polymorphism in humans, JY Sire, Paris, France

15h40: Complete Fusion And Reshaping Of Vertebral Bodies In Atlantic Salmon (*Salmo Salar*): An Unusual Type Of Regeneration, P. Eckardt Witten, Hamburg, Germany

15h55: Expression Of Mineralization-Related Gla Proteins During Regeneration Of Zebrafish (*Danio Rerio*) Fins, AB Brito, Faro, Portugal

16H10': Phenotypic Plasticity Of Cranial And Pharyngeal Structures In An African Cichlid Fish, F Galis, Leiden, The Netherlands

16h30': Coffee break

SOCIAL PROGRAMME

2 June 2007

9h30' Keynote Lecture: Biomaterials and Oral-Facial Regeneration: New Frontiers in Micro- and Nano-Electronics for Biomedical Applications, Prof. Jordi AGUILÓ LLOBET, CNM-CSIC, Bellaterra, SPAIN

10h30' Chair: Michel Goldberg, MP Ginebra: Oral Communications

10h40: Long-Term Biocompatibility Of Isfet Sensors Using Human Gingival Fibroblast Cells: Preliminary Results, MH Fernandes, Porto, Portugal

10H55: Osteogenic Induction Of Human Mesenchymal Stem Cells In Response To Titanium Implant Surface Roughness, I Wall, London, UK

11h10: Influence On Technological Parameters At Structure Of Calcium Phosphates, K Salma, Riga, Latvia

11h 30' Coffee break

12h: Chairs: Ralph Radlanski, J. Franch. Oral Communications

12h10: ABA (Active Bone Area): a qualitative and quantitative integral analysis method of the osseous tissues around implants. P Carvalho, Barcelona, Spain

12h25: Computational Simulation Of Bone Remodelling And Growth: Influence Of Mechanical Factors, JM García-Aznar, Zaragoza, Spain

12h40: The Differentiation Potential Of The Periodontal Tissues, P Brett, London, UK

12h55: Calcified Tissues Reaction in Contact with an Osteoconductive Implant Surface. I. Valdivia, Barcelona, Spain

13h10: Experimental and FEA evaluation and comparison of three dental implants systems, made with different materials, L. Carvalho, Aveiro, Portugal.

13h25: Comparative mandibulometric data after unilateral transection of the lower alveolar nerve in post-weaning rabbit. I. Valdivia, Barcelona, Spain

13h40h: Lunch

**7th Management Committee Meeting of the COST ACTION B23
Castelldefels, Barcelona, Spain 2 JUNE 2007**

15.00-17.00

DRAFT AGENDA

1. Welcome to the participants
2. Adoption of the Agenda
3. Approval of the Minutes of the 6th MC Meeting in Helsinki (4-7 May, 2006)
4. Information from the COST OFFICE
5. Information from the Chairman
6. STSMs
7. Dissemination of the results
8. Preparation of the final report
9. Proposal and discussion for a new year extension
10. Organisation of 8th MC Meeting (Zurich)
11. Web site of the COST ACTION B23
12. Any other business