

The Clinical Research Unit 208 "Aetiology and Sequelae of Periodontal Diseases - Genetic, Cell Biological and Biomechanical Aspects" funded by the German Research Foundation and the Medical Faculty of the University of Bonn kindly invites you to the International Symposium in Bonn. The major goal of the Clinical Research Unit 208 is to improve the prevention, disease control and therapy of periodontitis through a better understanding of the causes and effects of periodontal diseases and the regenerative processes in the involved tissues. The scientists of the Clinical Research Unit, which are from the Dept. of Periodontology, Operative and Preventive Dentistry, the Dept. of Orthodontics, the Section of Oral Technology, the Dept. of Dermatology and Allergy, and the Dept. of Internal Medicine II, Cardiology, Pneumology, and Angiology (all from University of Bonn), the Institute for Clinical Molecular Biology and the 1st Dept. of General Internal Medicine of the University Hospital Schleswig-Holstein (University of Kiel), and the Institute of Computational Science (University of Lugano) will present their most recent research findings. In addition, highly reputed researchers from Sweden, The Netherlands, Greece, Spain, Finland, and Germany will provide you with excellent overviews on the current knowledge in various fields of periodontology, orthodontics, biomechanics, genetics, immunology, and infection.

Registration

German Society of Periodontology (DGP)
Neufferstrasse 1
93055 Regensburg
Germany
Phone+49 (0)941 94 27 99-0
www.dgparo.de

Location & Arrival

Steigenberger Grandhotel Petersberg
Petersberg
53639 Königswinter/Bonn, Germany

http://www.steigenberger.com/en/Koenigswinter_Bonn/arrivals

Only 5 km from Königswinter and 15 km from Bonn, the Steigenberger Grandhotel Petersberg is situated on the hill of the same name in the Siebengebirge and welcomes one with a splendid view of the Rhine Valley. Cologne/Bonn Airport is just 25 minutes drive away.

Train

The hotel is just 2.6 kilometre from the train station Königswinter.

Car

Input GPS: Ferdinand-Muelhens-Strasse
Parking available
Follow the signs to "Petersberg".

Flight

Airport Cologne/Bonn, Terminal 2:
Take bus N° 161 to train station Cologne/Porz. Change to regional train on track 2 direction Königswinter (length of trip approx. 40 minutes).

Airport Düsseldorf:
Take regional train on track 4 to train station Cologne/Deutz (Arrival at track 8). Change to regional train on track 4 to Königswinter (length of trip approx. 60 minute)

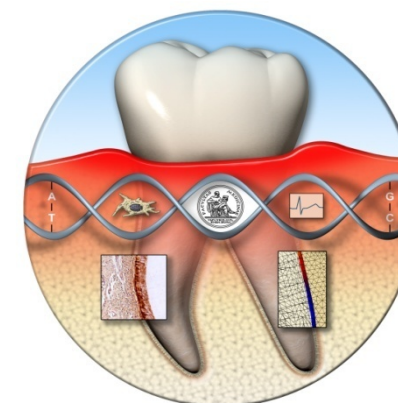


International Symposium of the Clinical Research Unit 208

„Aetiology and Sequelae
of Periodontal Diseases -
Genetic, Cell Biological
and Biomechanical
Aspects“

September 17, 2010

Hotel Petersberg
Königswinter-Bonn
Germany



Symposium Program

8:30 - 9:00 a.m.

Welcome and Introduction

Søren Jepsen, Andreas Jäger, James Deschner

9:00 - 9:30 a.m.

Host-microbial interactions

Ingo Autenrieth,
Institute of Medical Microbiology and Hygiene,
University of Tübingen, Germany

9:30 - 9:50 a.m.

Role of distinct oral mucosal dendritic cell subsets in the pathophysiology of chronic periodontitis

Project #1: Jean-Pierre Allam, Natalija Novak
Department of Dermatology and Allergy, University of Bonn, Germany

9:50 - 10:20 a.m.

Fibroblasts, integrins and the extracellular matrix

Thomas Krieg, Department of Dermatology,
University of Cologne, Germany

10:20 - 10:40 a.m.

The role of antimicrobial peptides during development and progression of periodontal diseases

Project #2: Henrik Dommisch, Søren Jepsen
Department of Periodontology, Operative and Preventive Dentistry, University of Bonn, Germany

10:40 - 11:10 a.m.

Break

11:10 - 11:40 a.m.

B cells in periodontitis: friends or enemies?

Tord Berglundh, Department of Periodontology,
The Sahlgrenska Academy at Göteborg University, Göteborg,
Sweden

11:40 a.m. - 12:10 p.m.

Periodontitis as complex disease: genetics and other factors

Bruno Loos, University of Amsterdam and VU University
Amsterdam, Amsterdam, The Netherlands

12:10 - 12:30 p.m.

The susceptibility genes of periodontitis – new and true

Project #3: Arne Schäfer¹, Stefan Schreiber¹, Søren Jepsen²
¹Institute of Clinical Molecularbiology and ^{1st} Department of Internal Medicine, University Hospital Schleswig-Holstein, University of Kiel
²Department of Periodontology, Operative and Preventive Dentistry, University of Bonn, Germany

12:30 - 14:00 p.m.

Lunch

14:00 - 14:30 p.m.

The periodontal ligament under mechanical strain: cellular and molecular insights

Effie K. Basdra, Department of Orthodontics,
Aristotle University of Thessaloniki, Greece

14:30 - 14:50 p.m.

The effect of functional loading on periodontal wound healing in regenerative therapy with enamel matrix derivatives

Project #4: James Deschner
Department of Periodontology, Operative and Preventive Dentistry, University of Bonn, Germany

14:50 - 15:10 p.m.

Development of mathematical models and efficient algorithms to simulate the loading conditions of the periodontium in dental biomechanics

Project #5: Christoph Bouraue¹, Rolf Krause²
¹Oral Technology, University of Bonn, Germany
²Institute of Computational Science, University of Lugano, Switzerland

15:10 - 15:30 p.m.

Role of the insulin-like growth factor-system in the periodontium under different stress conditions

Project #7: Werner Götz, Birgit Rath-Deschner
Department of Orthodontics, University of Bonn, Germany

15:30 - 15:50 p.m.

Role of human periodontal ligament cells and parathyroid hormone in hard tissue repair

Project #8: Stefan Lossdörfer, Andreas Jäger
Department of Orthodontics, University of Bonn, Germany

15:50 - 16:20 p.m.

Break

16:20 - 16:50 p.m.

Periodontal infections and atherosclerosis

Mariano Sanz
University Complutense Madrid, Spain

16:50 - 17:20 p.m.

Oral, gastrointestinal and vascular NO metabolism – its relevance for the cardiovascular system

Malte Kelm
Department of Cardiology, Pneumology and Angiology,
University of Düsseldorf, Germany

17:20 - 17:40 p.m.

Impact of periodontitis on vascular damage and regeneration

Project #6: Nikos Werner
Department of Internal Medicine II, Cardiology,
Pneumology, and Angiology, University of Bonn, Germany

17:40 - 18:10 p.m.

Oral health and pregnancy

Jukka H. Meurman
Institute of Dentistry, University of Helsinki, Finland

18:10 - 18:30 p.m.

Concluding Remarks

James Deschner, Andreas Jäger, Søren Jepsen