



DG-GT e.V.

Deutsche Gesellschaft
für Gentherapie e.V.

Summer School 2010

The Hematopoietic System as Tool and Target for Gene Therapy

8.-10. September 2010
CMMC Research Building Cologne
University of Cologne

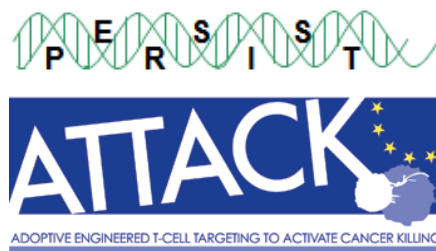
In collaboration with

The DFG Research Priority Program 1230

The EU Framework Program “PERSIST “

The EU Framework Program “ATTACK”

Center for Molecular Medicine Cologne (CMMC)



Organizing committee:

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Center for Molecular Medicine Cologne (CMMC)
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General Remarks:

Participants:

- MD and PhD students
- Certificate of Attendance will be provided

Registration:

- Participation is free of charge
- Deadline for registration 15. August 2010
- Please register at hildegard.buening@uk-koeln.de

Location:



Center for Molecular Medicine Cologne (CMMC)

CMMC-Research Building

University of Cologne

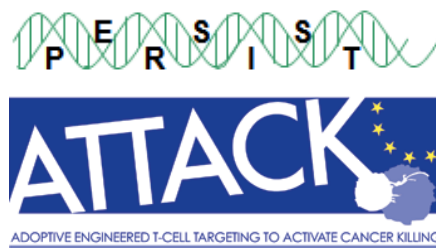
Robert-Koch-Str. 21

50931 Cologne

www.zmmk.uni-koeln.de

For directions please visit:

<http://www.medizin.uni-koeln.de/zb/zik/anfahrt>



Preliminary Program – Summer School 2010

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8.-10. September 2010
CMMC Research Building Cologne
University of Cologne

September 8, 2010

14.00 – 14.15 *Welcoming*

Gene Transfer and Maintenance – Part I

14.15 – 14.55 Retroviral Vectors: Converting an infectious agent into an efficient Gene Therapy Tool

Axel Schambach

*Dept. Experimental Hematology
Hannover Medical School*

14.55 – 15.35 Lentiviral Vectors and the Hematopoietic System

Sabrina Kneissl

*Viral Gene Transfer Medicinal Products
Paul-Ehrlich-Institute*

15.35 – 16.00 *Coffee Break*

16.00 – 16.40 Adeno-Associated Viral Vectors – a story of natural serotypes and artificial particles

Hildegard Büning

*Dept. I of Internal Medicine and Center for Molecular Medicine
Cologne
University of Cologne*

16.40 – 17.20 Gene transfer into cells of the Hematopoietic System with Adenovirus-based Vectors: why and how?

Florian Kreppel

*Dept. of Gene Therapy
University of Ulm*

17.20 – 18.00 Nonviral gene delivery systems: how to improve efficiency of delivery and transgene expression

Manfred Ogris

Dept. of Pharmacy

LMU Munich

September 9, 2010

Gene Transfer and Maintenance – Part II

9.00 – 9.40 Episomal Maintenance

Wolfgang Hammerschmidt

Helmholtz Center Munich

German Research Center for Environmental Health (GmbH) -

Haematologikum

9.40 – 10.20 Transposon systems for stable gene transfer and expression

Zoltan Ivics

Max Delbrück Center for Molecular Medicine

Berlin

The Hematopoietic System

10.20 – 11.00 The Hematopoietic System: options and challenges for Gene Therapy

Christopher Baum

Dept. Experimental Hematology

Hannover Medical School

11.00 – 11.30 *Coffee Break*

11.30 – 12.10 Stem cells for research and immunotherapy

Lilian Stärck

Dept. Cell Biology and Gene Therapy

Max Delbrück Centrum

12.10 – 12.50 Do CARs need a driver license? Engineering T cells with recombinant T cell receptors

Hinrich Abken

*Dept. I of Internal Medicine and Center for Molecular Medicine
Cologne
University of Cologne*

12.50 – 14.00

Lunch Break

14.00 – 14.40

Dissecting and manipulating tumor-specific T cell responses

Ton Schumacher

Dept. of Immunology

The Netherlands Cancer Institute

14.40 – 15.20

Pluripotency-derived hematopoiesis

Claudia Lengerke

Dept. II of Internal Medicine

University Hospital Tübingen

Safety – Toxicity – Methods

15.20 – 16.00

Humanized mouse models for HIV Gene Therapy

Janina Kimpel

Georg – Speyer – Haus

Frankfurt

16.00 – 16.30

Coffee Break

16.30 – 17.10

Therapeutic genome surgery: Zinc-finger nucleases and more

Toni Cathomen

Dept. Experimental Hematology

Hannover Medical School

17.10 – 17.50

Clonality Analysis in Clinical Gene Therapy

Manfred Schmidt

Dept. of Translational Oncology

National Center for Tumor Diseases (NCT)

Heidelberg

17.50 – 18.30

In vitro and in vivo Models to assess Gene Therapy Toxicity

Ute Modlich

Dept. Experimental Hematology

Hannover Medical School

18.30 – Open End *Social Event*

September 10, 2010

Clinical Application and Disease Models

9.00 – 9.40 The CGD Experience

Manuel Grez

Georg - Speyer - Haus

Frankfurt

9.40 – 10.20 Gene Therapy for the treatment of SCID

Steven Howe

Wolfson Centre for Gene Therapy

Institute of Child Health

London

10.20 – 11.00 Wiskott-Aldrich-Syndrome

Christoph Klein

Dept. of Pediatric Hematology/Oncology

Hannover Medical School

11.00 – 11.40 Immunotherapy for cancer with engineered antigen-presenting cells

Renata Stripecke

Dept. of Haematology, Haemostaseology and Oncology

Hannover Medical School

11.40 – 12.00 *Concluding Remarks*