



DG-GT e.V.

Deutsche Gesellschaft
für Gentherapie e.V.

Summer School 2011

Innate and Adaptive Immune System: Tool and Challenge for Gene Therapy

September 14th -15th, 2011
CMMC Research Building Cologne
University of Cologne

In collaboration with

The DFG Research Priority Program 1230

The DFG Collaborative Research Centre 670

The EU Framework Program "ATTRACT"

Center for Molecular Medicine Cologne (CMMC)

SFB 670



ZELL-AUTONOME IMMUNITÄT



SPP1230



Deutsche
Forschungsgemeinschaft

DFG



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General Remarks:

Participants:

- MD, PhD students and Post-Docs
- Certificate of Attendance will be provided

Registration:

- Participation is free of charge
- Deadline for registration: August, 15th 2011
- Please register at hildegard.buening@uk-koeln.de

Location:

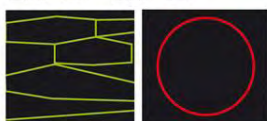


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For directions please visit:

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

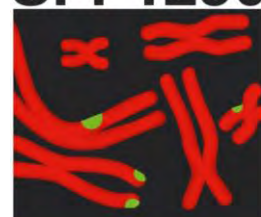
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Preliminary Program – Summer School 2011

Innate and Adaptive Immune System: Tool and Challenge for Gene Therapy

September 14th – 15th, 2011
CMMC Research Building Cologne
University of Cologne

September 14th, 2011

09.00 – 09.15 *Welcoming*

Gene Transfer Tools

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09.15 – 09.55 Gene Transfer Tools in Cell and Gene Therapy
Christopher Baum
*Department of Experimental Hematology,
Hannover Medical School,
Hannover, Germany*

First Line of Defense

SFB670

09.55 – 10.35 Sensing Pathogen Invasion
Martin Krönke
*Institute for Medical Microbiology, Immunology and Hygiene,
Center for Molecular Medicine Cologne (CMMC),
University of Cologne,
Cologne, Germany*

10.35 – 11.15 Look Outside the Box – the Plant's Immune System
Imre Somssich
*Department of Molecular Phytopathology,
Max Planck Institute for Plant Breeding Research,
Cologne, Germany*

11.15 – 11.45 *Coffee Break*

11.45 – 12.25 Immune Sensing of Nucleic Acids
Gunther Hartmann
*Institute of Clinical Chemistry and Pharmacology,
University Hospital Bonn,
Bonn, Germany*

12.25 – 13.05 Communication is Key - the Chat between Innate
and Adaptive Immunity
Pia Hartmann
*Department I of Internal Medicine,
University Hospital Cologne,
Cologne, Germany*

13.05 – 14.05 *Lunch Break*

The Immune System as Tool (part I)

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14.05 – 14.45 Adoptive T-Cell Therapy
Thomas Blankenstein
*Department of Molecular Immunology and Gene Therapy,
Max Delbrück Center for Molecular Medicine,
Berlin, Germany*

14.45 – 15.25 Targeting Dendritic Cells for Gene-Immune Therapies
Renata Stripecke
*Department of Hematology, Hemostasiology,
Oncology and Stem Cell Transplantation,
Hannover Medical School,
Hannover, Germany*

15.25 – 15.55 *Coffee Break*

15.55 – 16.35 Designer T Cells for Immunotherapy of Cancer
Wolfgang Uckert
*Department of Molecular Cell Biology and Gene Therapy,
Max Delbrück Center for Molecular Medicine,
Berlin, Germany*

16.35 – 17.15 Mechanisms of immunization by gene transfer
Anne Galy
*Direction Unité INSERM U951, GENETHON,
Evry, France*

- 17.15 – 17.55 Gene Modified T cells for the Treatment of Hepatitis B
Ulrike Protzer
*Institute of Virology, University of Technology of Munich,
Helmholtz Centre Munich - German Research Center for
Environmental Health,
Munich, Germany*
- 17.55 – 18.35 Gene Therapy of HIV Infection
Janine Kimpel
*Section for Virology,
Innsbruck Medical University,
Innsbruck, Austria*
- 18.35 h – OpenEnd *Social Event*

September 15th, 2011

The Immune System as Tool (part II)

ATTRACT

- 09.00 – 09.40 Title pending
Carl June
*Department of Pathology and Laboratory Medicine
PENN Medicine,
Philadelphia, U.S.A.*
- 09.40 – 10.20 Adoptive Cell Therapy for Patients with Melanoma
Mark Dudley
*National Cancer Institute,
National Institutes of Health,
Bethesda, U.S.A.*
- 10.20 – 11.00 Strategies to improve TCR gene therapy
Hans Stauss
*Department of Tumour Immunology, Cellular and Gene Therapy,
UCL Cancer Institute,
London, U.K.*
- 11.00 – 11.30 *Coffee Break*
- 11.30 – 12.10 Mechanism of tumor regression in therapeutic anticancer vaccines
Pierre Coulie
*De Duve Institute,
Université Catholique de Louvain
Brussels, Belgium*
- 12.10 – 12.50 Combining Active and Adoptive Immunotherapy
against Prostate Cancer
Anna Mondino
*Department of Immunology and Infectious Diseases,
DIBIT, San Raffaele Scientific Institute,
Milan, Italy*
- 12.50 – 13.50 *Lunch Break*

**When the Immune System challenges
the Concept of Gene Therapy**

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- 13.50 – 14.30 Progress and Challenges in the Use of Adenovirus Vectors for Local
and Systemic Gene Therapy
Andrew H Baker
*Institute of Cardiovascular and Medical Sciences,
University of Glasgow, School of Medicine,
Glasgow, U.K.*
- 14.30 – 15.10 Lentiviral vectors as research and gene therapy tools
Bernhard Gentner
*San Raffaele Telethon Institute for Gene Therapy,
San Raffaele Hospital,
Milan, Italy*
- 15.10 – 15.40 *Coffee Break*

**Hiding from Immune Recognition –
Science fights back**

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- 15.40 – 16.20 Capsid Modifications to Escape Immune Recognition
Hildegard Büning
*Department I of Internal Medicine,
Center for Molecular Medicine Cologne (CMMC),
University of Cologne,
Cologne, Germany*
- 16.20 – 17.00 Adenovirus Vectors and Genetic Vaccination:
Is High Vector Immunogenicity always helpful?
Florian Kreppel
*Department for Gene Therapy,
University of Ulm
Ulm, Germany*