



Hannover Biomedical Research School
Hannover Medical School, Germany

Summer School

**“Gene regulation, cell differentiation
and tolerance”**

Schedule and Program

Goslar, Hessenkopf

September 12th – 16th, 2010

Organizing Committee:

Christopher Baum, Experimental Hematology, Dean of Research

Reinhold Förster, Immunology

Achim Gossler, Molecular Biology

Andreas Krüger, Immunology

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We express our thanks to the sponsors:

DFG

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<http://www.mh-hannover.de/hbrs.html>

Sunday 12	Monday 13	Tuesday 14	Wednesday 15	Thursday 16
Arrival and Check In at Hessenkopf Goslar	8.00-9.00 Breakfast	8.00-9.00 Breakfast	8.00-9.00 Breakfast	8.00-9.00 Breakfast
	9.15- 12.30 Key lectures 1	9.15-12.30 Key lectures 3	9.15-12.30 Key lectures 5	9.15-12.30 Key lectures 6
	12.30 Lunch	12.30 Lunch	12.30 Lunch	12.30 Lunch
	14.15-15.45 Key lectures 2	14.15-15.00 Key lectures 4	14.00 Historical Tour of Goslar	13.45-14.45 Tutorial Sessions
from 18.00 Welcome Cocktail and buffet	16.15-18.30 Student Presentations, Poster	15.30 Excursion to old mine "Rammelsberg"	17.00-18.30 Student Presentations, Poster	15.00 Closing and Departure
	18.30 Dinner	18.30 Dinner	18.30 Dinner	
	19.30-20.30 Tutorial sessions	19.30-20.30 Tutorial sessions		

Sunday, 12. September	
<i>ARRIVAL</i>	
From 17.00	Summer School Registration in House (Haus) 1 room "Aufenthaltsraum"
From 18.00	Welcome Cocktail and Buffet in House (Haus 1) "Klubraum"
Monday, 13 September	
8:00-9:00	breakfast (registration continued)
9:15	Reinhold E. Schmidt: Welcome
<i>Key lectures: Gene regulation and Cell differentiation</i>	
9:30-10:00	David Ish-Horowicz, Developmental Genetics Laboratory, London Research Institute, UK <i>Molecular mechanisms of embryonic asymmetrical patterning</i>
10:15-10:45	Coffee break
10:45-11:15	Eileen Furlong, EMBL Heidelberg, Germany <i>Cis-regulatory networks driving embryonic development: Is there a code?</i>
11:30-12:00	Thomas Braun, Max-Planck-Institute for Thorax and Lung Research, Bad Nauheim, Germany <i>(Post)-Transcriptional gene regulation during cardiovascular remodelling</i>
12:30-13:30	Lunch
13:30-14:30	Free Time
14:30-15:00	Michael Boutros, DKFZ, Heidelberg, Germany <i>Dissecting signaling hierarchies: from high-throughput experiments to in vivo models</i>
15:15-15:45	Andreas Kispert, Hannover Medical School, Germany <i>Regionalization of the heart by a network of T-box factors</i>
16:00--18:30	Coffee break and Poster: Students presentations I
18:30	Dinner
19:30-20:30	Tutorial Session A: Ish-Horowicz
19:30-20:30	Tutorial Session B: Boutros
19:30-20:30	Tutorial Session C: Braun

Tuesday, 14 September

Key lectures: Gene regulation and Cell differentiation

8:00-9:00	Breakfast
9:15-9:45	Thomas Decker, Microbiology and Immune Biology, University of Vienna, Austria <i>Gene regulation in macrophages infected with <i>Listeria monocytogenes</i></i>
10:00-10:30	Frank D. Böhmer, Molecular Cell Biology, University of Jena, Germany <i>Protein-tyrosine phosphatases in cancer - the case of PTPRJ/DEP-1</i>
10:45-11:15	Coffee break
11:15-11:45	Christopher Baum, Experimental Hematology, Hannover Medical School, Germany <i>Challenges in the genetic modification of stem cells</i>
12:30-13:30	Lunch
13:30-14:15	Free Time
14:15-14:45	Richard Moriggl, LBI for Cancer Research, Medical University Vienna, Austria <i>Opposing role for Stat5 proteins during hematopoietic or liver cancer development</i>
15:30	Bus transfer to Rammelsberg (please wear sturdy shoes and jacket!)
18:30	Dinner
19:30-20:30	Tutorial Session A: Böhmer
19:30-20:30	Tutorial Session B: Moriggl
19:30-20:30	Tutorial Session C: Decker

Wednesday, 15 September

Key lectures: contd. and Tolerance

8:00-9:00	Breakfast
9:15-9:45	Lothar Hennighausen, Genetics and Physiology, The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), NIH, Bethesda, USA <i>Digging through the toolbox of genetics and epigenetics to convey cytokines biology</i>
10:00-10:30	Ellen Rothenberg, Division of Biology, California Institute of Technology Pasadena (Caltech), California, USA <i>Transcriptional control of stem cell differentiation: gene networks for lymphocyte specification</i>
10:45-11:15	Coffee Break
11:15-11:45	Jochen Hühn, HZI, Braunschweig, Germany <i>Development, functional properties and epigenetic control of regulatory T cells</i>
12:30-13:30	Lunch
14.00	<i>Cultural afternoon: Historical tour of Goslar</i>
17:00-18:30	Student Presentations II, Poster and coffee
18:30	Dinner
19:30-20:30	Tutorial Session A: Hennighausen
19:30-20:30	Tutorial Session B: Rothenberg
19:30-20:30	Tutorial Session C: Hühn

Thursday, 16 September

Key lectures: contd.

8:00-9:00	Breakfast
9:15-9:45	Freddy Radtke, Cell Fate Determination Group, ISREC (Swiss Institute for Experimental Cancer Research), Lausanne, Switzerland <i>Notch signaling in cancer and disease</i>
10:00-10:30	Christine Falk, NCT-Immunomonitoring Unit, And Institute for Immunology, University Heidelberg, Germany <i>Gene regulation, cell differentiation and tolerance: the Natural killer cell point of view</i>
10:45-11:15	Coffee Break
11:15-11:45	Ludger Klein, Institute for Immunology, Munich, Germany <i>Thymic epithelium and central T cell tolerance</i>
12:30-13:30	Lunch
13:45-14:45	Tutorial Session A: Radtke
13:45-14:45	Tutorial Session B: Falk
13:45-14:45	Tutorial SessionC: Klein
15:00	Closing and Departure

How to get to Goslar

By plane

You need to take a plane into either Hanover International Airport (HAJ) (60 miles) or Frankfurt Intercontinental airport (FRA)(195 miles) and make your way to Goslar by car or by train.

From Hannover airport take the train S5 to Hannover main train station.

By train

Goslar can best be accessed by regional trains from Hanover or Brunswick. There are direct trains from Hannover main train station every hour (at around X.35). The train takes about 1 hour.

In Hanover and Goettingen there is access to Germany's ICE network.

From the station please take a taxi to "Hessenkopf".

By road

From South, take the A7/E45 and leave it at either the intersection Seesen. Take the landstrasse L248 and then the bundesstrasse B82 to Goslar. If you wish to take the route via the Harz mountains, exit the A7/E45 at Northeim and take the landstrasse L241 via Osterode, Clausthal-Zellerfeld to Goslar.

Coming from Berlin, take the A2/E39 to the intersection Brunswick and head via the A395 in the direction of Harzburg-Spa. At Vienenburg you leave the A395 and take the landstrasse L241 to Goslar.

Arriving from Duesseldorf/Ruhr Basin take the A2/E39 to Hanover and at the Intersection Hanover leave the A2/E39 and take the A7/E45. For further directions, see below.

Coming from Hamburg/Bremen/Hanover you take the A7/E45 in the direction Frankfurt. You exit the autobahn at Holle-Salzgitter and take the bundesstrasse B6 (mostly two-lane) to Goslar.