

**2nd Winter School of the Collaborative Research Centre TRR81**  
**“Chromatin Changes in Differentiation and Malignancies” Marburg-Giessen-Bad Nauheim-Rotterdam**  
at the Kleinwalsertal, February 26 – March 2, 2012

**Sunday 26.2.2012**      18:30                      Dinner  
   20:15                      Ski Rental

**Monday 27.2.2012**  
   08:00-09:00              Breakfast

Chair:	Sjaak Philippen
	Welcome at the seminar room
MORNING SESSION	SQ Mulugeta Achame (Gribnau) <i>Y chromosome lost? The genomes of Ellobius lutescens and Ellobius talpinus</i>
09:00-11:30	Judith Bergs (Brehm) <i>Analysis of Chd5 in testis</i>
	Christin Schütz (Brehm) <i>The influence of Chd5 on cell cycle distribution, apoptosis and senescence</i>
	Erik Engelen (Poot) <i>A search for novel transcription regulators in embryonic stem cells</i>
	Gloria Terrados (Suske) <i>Genome-wide analysis of Sp2 occupancy and expression establish Sp2 as a sequence-specific transcription factor regulating multiple cellular functions</i>
	Stefanie Riedl (Bauer) <i>The role of the arginine methyltransferase PRMT6 in cell cycle regulation</i>

12:00-17:00              Open Discussions  
17:30-18:15              Dinner

Chair:	Uta-Maria Bauer
EVENING SESSION	Nathalie van den Tempel (Baarends) <i>Deciphering the specific role of nibrin in female meiosis</i>
18:30-21:30	Stefanie Gärtner (Renkawitz-Pohl) <i>High-mobility-group (HMG)-box proteins in Drosophila spermatogenesis - in vivo visualisation of protein dynamics in testes and single germ cell cysts</i>
	Federica Federici (Baarends) <i>Hr6b is essential for nuclear maturation of germ cells during spermiogenesis</i>
	Christina Rathke (Renkawitz-Pohl) <i>The bromodomain protein tBRD-1 is essential for male fertility and regulates a subset of genes with relevance for spermatogenesis</i>
	Fabrizia Carofiglio (Baarends) <i>Radiation-induced DNA double-strand breaks stimulate homologous synapsis in SPO11 mutant mice</i>
	Evelyn Schnitzer (Müller) <i>Characterization of PPAR<math>\beta</math>/<math>\delta</math>-PIAS2-interaction</i>

**Tuesday 28.2.2012**  
   08:00-09:00              Breakfast

Chair:	Thomas Braun
MORNING SESSION	Theresa Jox (Renkawitz) <i>Chromatin insulation in Drosophila melanogaster versus vertebrates</i>
09:00-11:30	Kerstin Wendt (PI) <i>Mapping of the cohesin loading factor NIPBL in the human genome yields insights in Cornelia de Lange syndrome</i>
	Philipp Bergmaier (Renkawitz) <i>Conditional expression of CTCFL</i>
	Widia Soochit (Galjart / Sleutels) <i>DNA binding by chromatin organizer CTCF</i>
	Tanja Haag (Dammann) <i>CTCF-dependent mechanism of epigenetic regulation of tumor suppressor genes</i>
	Elvira Myronova (Gribnau) <i>Exploring X chromosome inactivation and its connection to pluripotency: studies on the X-linked activator of X chromosome inactivation Rnf12 and its role in somatic cell reprogramming</i>

12:00-17:00              Open Discussions  
17:30-18:15              Dinner

**Tuesday 28.2.2012**

Chair:	Rainer Renkawitz
EVENING SESSION 18:30-21:30	Angelina Georgieva (Braun / Zhou) <i>Molecular circuits controlled by Sirt6 during skeletal muscle stem cell differentiation and muscle fiber specification</i>
	Bert-Jaap van Belle (Houtsmuller) <i>Bi-stable dose response of the damage sensor XPC in nucleotide excision repair</i>
	Verawan Boonsanay (Braun / Zhou) <i>Histone H4K20 trimethylase Suv4-20h2 promotes muscle stem cell differentiation</i>
	03_Luca Signorile (Poot) <i>Transcription factor networks in embryonic stem cells</i>
	Ting Zhang (Braun / Zhou) <i>Unraveling epigenetic mechanisms underlying muscle cell differentiation by ChIP-seq</i>
	13_Sirisha Cheedipudi (Dobrev) <i>Role of ISL1-mediated epigenetic changes in cardiac progenitors</i>
	PI meeting in the seminar room

**Wednesday 29.2.2012**

08:00-09:00

Breakfast

Chair:	Willy Baarends
MORNING SESSION 09:00-11:30	Luca Caputo (Dobrev) <i>The role of the Isl1-Ldb1 complex in heart development</i>
	Xiao Yu (Grosveld / Soler) <i>Transcription factor complex formation during erythroid embryonic development</i>
	Judith Kreher (Brehm) <i>Role of the ATP-dependent chromatin remodeler dMi-2 in the activation of hormone-responsive genes</i>
	Maria Mikropoulou (Philipsen / Van Dijk) <i>Targeting the genome using zinc finger nucleases</i>
	Steffen Kiehl (Dammann) <i>DNA methylation dependent regulation of lung cancer specific genes</i>
	René Reiner Nötzold (Bauer) <i>Novel target genes of the arginine methyltransferase PRMT6</i>

12:00-17:00

Open Discussions

17:30-18:15

Dinner

Chair:	Gergana Dobrev
EVENING SESSION 18:30-21:30	Bas de Hoon (Gribnau) <i>X-inactivation patches are less than 25,000 cells in size</i>
	Anna-Maria Maas (Stiewe) <i>RNAi screen to elucidate mechanisms of ΔNp73-mediated gene silencing</i>
	Hojin Andreas Lee-Hold (Bartkuhn) <i>Computational analysis of higher-order chromatin structure by Hi-C</i>
	Maaïke Moen (Poot) <i>Chromatin structure in neurons</i>
	Julia Obert (Müller) <i>Mechanisms of transcriptional regulation by the nuclear receptor PPARβ/δ</i>
	Friedemann Loos (Gribnau) <i>Dynamics of X Chromosome Inactivation</i>

**Thursday 1.3.2012**

08:00-09:00

Breakfast

Chair:	Adriaan Houtsmuller
MORNING SESSION  09:00-11:30	Pavlos Fanis (Philipsen / Van Dijk) <i>Five Friends of Methylated Chtop, a complex linking arginine methylation to desumoylation</i>
	Inna Grishina (Schmitz) <i>New insights into gene regulation by the serine/threonine kinase HIPK2</i>
	Agnese Loda (Gribnau) <i>Making the difference</i>
	Elisabeth Ziesché (Kracht) <i>HDAC3 is a positive regulator of IL-1 triggered gene expression</i>
	Stefan Barakat (Gribnau) <i>RNF12 activates Xist and is essential for X inactivation</i>
	Bastian Stielow (Suske) <i>Analyzing the in vivo function of SUMO-modified Sp3</i>

12:00-16:00

Open Discussions

16:00-17:30

Workshops on Perspectives

17:30-18:30

Dinner

19:00-20:00

Torch-light procession

20:00-late

Farewell party

**Friday 2.3.2012**

08:00-10:00

Breakfast and departure