

**4th Winter School of the Collaborative Research Centre TRR81**  
**“Chromatin Changes in Differentiation and Malignancies” Marburg-Giessen-Bad Nauheim-Rotterdam**  
at the Kleinwalsertal, February 16 – February 21, 2014

**Sunday 16.2.2014**      18:30                      Dinner  
   20:15                      Ski Rental

**Monday 17.2.2014**  
   08:00-09:00              Breakfast

Chair:	Ruben Boers and Angelina Georgieva
MORNING SESSION  09:00-11:30	Sjaak Philipsen <i>Welcome at the seminar room</i>
	Karim Bouazoune (PI Brehm M) <i>Chromatin remodeling by the CHD7 protein is impaired by mutations that cause human developmental disorders</i>
	Ina Theofel (PI Rathke M) <i>tBRD-1 interacts with two new members of the BET family and is required for gene activation in male germ cells</i>
	Dino Giaimo (PI Borggreffe GI) <i>The core RBP-J repressor complex containing MLL/KMT2D facilitates Notch transcriptional responses</i>
	Marti Quevedo (PI Poot R) <i>Mediator and Super-Enhancers in Neural Stem Cells</i>
	Angelina Georgieva (PI Braun/Zhou BN) <i>Sirt6 mediated H3K9 and H3K56 deacetylation, skeletal muscle stem cell homeostasis and muscle fiber specification</i>
	Martin Schneider (PI Dammann GI) <i>Impact of CCCTC-binding factor (CTCF) on epigenetic regulation of tumor suppressor genes</i>

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

Chair:	Rainer Renkawitz and Sjaak Philipsen
EVENING SESSION  18:30-21:30	Uta Bauer (M) <i>Summary of projects A02 Braun/Zhou, A03 Bauer, A04 Philipsen/Van Dijk, A10 Stiewe</i>
	Alexander Brehm (M) <i>Summary of projects A06 Suske, A01 Brehm, A09 Poot, A07 Schmitz, B02 Kracht</i>
	Tilman Borggreffe (GI) <i>Notch signaling controlled by chromatin modifiers</i>
	Danny Huylebroeck (R) <i>Cooperation of Smad proteins with the Smad-interacting transcription factor Sip1/Zeb2 in their chromatin-binding landscape</i>
	Joost Gribnau (R) <i>Summary of projects B04 Galjart, B05 Wendt, B06 Dammann, B07 Dobrev, B10 Gribnau</i>
	Jaqueline Mermoud (M) <i>Chromatin regulation in the mammalian nucleus mediated by ATP-dependent chromatin remodeling complexes</i>
	Willy Baarends (R) <i>Summary of projects B11 Houtsmuller, B01 Grosveld, B09 Baarends</i>
Christina Rathke (M) <i>Chromatin dynamics in Drosophila spermatids</i>	

**Tuesday 18.2.2014**  
   08:00-09:00              Breakfast

Chair:	Marti Quevedo and Adriana Jimenez
MORNING SESSION  09:00-11:30	Sara Völkel (PI Suske M) <i>Differential recruitment of Sp transcription factors to chromatin</i>
	Ruben Boers (PI Gribnau R) <i>Xist, Xcised, Replaced; Unravelling the function of Lnc-RNA's</i>
	Lisa-Marie Dieterle (PI Schmitz GI) <i>Homeodomain-interacting protein kinase 2: mechanisms of chromatin recruitment</i>
	Silvia Hernandez (PI Galjart R) <i>Reconstitution of wild type and mutant GFP-CTCF expression in embryonic stem cells lacking endogenous CTCF</i>
	Marie-Christin Lamkowsky (PI Stiewe M) <i>Mechanisms of gene regulation by the p53 family inhibitor ΔNp73</i>
Silvia Hoeboer (PI Philipsen R) <i>Reactivation of fetal hemoglobin expression: functional analysis of candidate modifiers in vivo</i>	

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

**Tuesday 18.2.2014**

Chair:	Silvia Hernandez and René Reiner Nötzold
EVENING SESSION  18:30-21:30	Sarah Meneceur (PI Dobрева BN) <i>The role of Rnf20 in heart development</i>
	Maarten Paul (PI Houtsmuller R) <i>Studying DSB Repair Foci by Super Resolution Microscopy</i>
	Kerstin Wendt (PI Wendt R) <i>Cohesin in chromatin organization and disease</i>
	Mike Broeders (PI Philipsen R) <i>CRISPR/Cas9-mediated genome engineering: application to globin gene regulation</i>
	Tim Hundertmark (PI Rathke M) <i>Post-meiotic chromatin changes in male germ cells of Drosophila</i>
<b>PI meeting in the seminar room</b>	

**Wednesday 19.2.2014**

08:00-09:00 Breakfast

Chair:	Maarten Paul and Marie-Christin Lamkowsky
MORNING SESSION  09:00-11:30	Maaike Moen (PI Poot R) <i>Transcription factor networks in neural stem cells</i>
	Zeynep Eren (PI Renate Renkawitz-Pohl M) <i>Protamine like 1, a newly identified chromatin component in Drosophila melanogaster seems essential for male fertility</i>
	Andrea Enguita Marruedo (PI Baarends R) <i>Role of the E2 ubiquitin-conjugating enzyme HR6B during meiotic recombination and postmeiotic chromatin remodeling</i>
	Adriana Jiménez Carrerra (PI Dammann GI) <i>The Function of the Hippo Pathway in Gene Regulation</i>
	Sophie Ottema (PI Galjart R) <i>The role of CLASP2 in neurite outgrowth</i>
	Bastian Stielow (PI Suske M) <i>SUMOylation of the polycomb protein L3MBTL2 facilitates repression of its target genes</i>

12:00-17:00 Open Discussions

17:30-18:15 Dinner

Chair:	Hegias Mira and Lisa-Marie Dieterle
EVENING SESSION  18:30-21:30	Niklas Wollenhaupt (PI Mermoud M) <i>Chromatin remodeling complex SMARCAD1 in stem cells</i>
	Kristina Kovac (PI Brehm M) <i>Effects of cancer-relevant mutations of the chromatin remodeler CHD4 on enzymatic and biological activities</i>
	Johan Brandsma (PI Poot R) <i>Transcription factor action in determining cell identity</i>
	René Reiner Nötzold (PI Bauer M) <i>Genome-wide mapping of PRMT6 binding sites via ChIP seq</i>
	Stefanie Riedl (PI Bauer M) <i>Functional analysis of the histone arginine methyltransferase PRMT6</i>
	Oriana Genolet (PI Dobрева BN) <i>Chromatin dynamics in cell-fate decisions of Isl1+ cardiovascular progenitors</i>

**Thursday 20.2.2014**

08:00-09:00

Breakfast

Chair:	Maaïke Moen and Bastian Stielow
MORNING SESSION  09:00-11:30	Markus Seibert (PI Schmitz GI) <i>Identification and characterization of new histone phosphorylation sites</i>
	Azi Amirasr (PI Gribnau R) <i>Autosomal spreading of Xist revisited</i>
	Qi Hui (PI Braun/Zhou BN) <i>Deciphering the role of Suv4-20h1 in heart development and congenital heart diseases</i>
	Hegias Mira Bontenbal (PI Gribnau R) <i>Mechanisms of mammalian X chromosome inactivation</i>
	Anna Ernst (PI Brehm M) <i>Role of the ATP-dependent chromatin remodeler dMi-2 in the regulation of ecdysone-dependent genes</i>
	Sjaak Philipsen <i>Closing remarks</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 21.2.2014**

06:30-07:45

Breakfast and departure (Rotterdam participants)