

GrK 1657 Retreat Kleinwalsertal 14.06. – 18.06.2015

Timetable

Time table	Sunday 14.06.2015	Monday 15.06.2015	Tuesday 16.06.2015	Wednesday 17.06.2015	Thursday 18.06.2015	
08.00						
09:15		Fr. Nuber	Talk Session 2	Talk Session 3	Workshop Part 2	
10:00		Talk Session 1				
11:00	Arrival					Workshop Part 3
12.00				Lunch		
13.15		Lunch	Lunch	Lunch		
14.00					Poster Session 3	Departure
15.15			Poster Session 1	Poster Session 2		
16.00						
17.00						
18.00	Dinner	Dinner	Dinner	Dinner		
19.00						
20.00	Hr. Friedrich	GrK Meeting	Hr. Löwer	Hr. Kraft		
21.00						
Host	Löbrich	Kaiser	Gawai	Diemer-Biehs	Erbeldinger	



Program Description

Sunday 14th of June

Host: Prof. Dr. Löbrich

Arrival at
Waldemar-Petersen-Haus

Fam. Flachsmann
Oberseitestraße 38
6992 Hirschegg / Kleinwalsertal
Austria

18:00-20:00 **Dinner**

20:00 Special lecture held by **Dr. Friedrich**
All you need to know about Radiation Physics



Monday 15th of June

Host: Nicole Kaiser

09:15-10:00 Special lecture held by **Prof. Dr. Nuber**

Chromatin regulators in neurodevelopment and diseases

10:00-13:15 **Talk Session 1**

Florian Hastert (PI Dr. Cardoso)

Dynamic interplay of TET1 & UHRF1 and their putative role in cytosine modification maintenance

Fabian Weipert (PI Dr. Rödel)

Modulation of the cellular radiation response by the inhibitor of apoptosis protein Survivin

Anugrah Gawai (PI Dr. Löbrich)

Role of RAD52 in Homologous Recombination Repair Pathway during G2/M Transition

Tetyana Syzonenko (PI Dr. Jakob)

Repair of complex DNA double strand breaks induced by heavy ion irradiation

Elham Abdollahi (PI Dr. Jakob)

Establishing Fluorescence Lifetime Imaging Microscopy to Monitor Radiation-Induced Chromatin Decondensation

Johanna Mirsch (PI Dr. Löbrich)

Biodosimetry and DNA Double Strand break repair

Tamara Dzinic (PI Dr. Dencher)

Interplay of ionizing radiation, oxygen, ROS and age-associated diseases

Kateryna Shreder (PI Dr. Fournier)

Impact of low-dose radiation on the regulatory functions of adipocytes and their role in immune reactions and bone remodeling

M.Sc. Axel Klink (20-30 minutes, **Neurorad Project Member**)

Behavioral and histomorphological analysis of irradiated mice

13:15-15:15 **Lunch Break**

15:15-18:00 **Poster Session 1**

Poster presentation of students from **Talk Session 1**

18:00-20:00 **Dinner**

20:00 **GrK Meeting**

Students and PIs (separately) discuss topics concerning GrK-organization



Tuesday 16th of June

Host: Anugrah Gawai

9:15-12:00 **Talk Session 2**

Kathrin Heinz (PI Dr. Cardoso)

Effect of heterochromatin (com)position on DNA replication timing

Nicola Stricker (PI Dr. Rapp)

Effects of combined atmospheric solar wavelengths (UVB to nIR) on DNA damage and repair

Annina Scholl (PI Dr. Cardoso)

Interplay of DNA replication, repair and chromatin under radiation stress

Stephan Grulich (PI Dr. Rapp)

Influence of DNA - repair and remodelling factors on genome wide repair kinetics after ionizing radiation

Ronja Diemer-Biehs (PI Dr. Löbrich)

A canonical end-joining pathway in G1-phase involves a CtIP- and Artemis-dependent resection

Michael Schmidt (PI Dr. Hamacher)

Biophysical models to determine structure and function of DNA-repair proteins

Johannes Pilakowski (PI Dr. Schmidt)

Small Molecule Kinase Inhibitors in Radiotherapy

Paul Günther (PI Dr. Scholz)

Modeling the cell-cycle specific survival after heavy ion irradiation

Henrik Lutz (PI Dr. Laube)

Impact of ionotropic receptors on DNA damage response and cellular responses of glioblastoma stem cells upon ionizing radiation

12:00-15:15 **Lunch Break**

15:15-18:00 **Poster Session 2**

Poster presentation of students from **Talk Session 2**

18:00-20:00 **Dinner**

20:00 Special lecture held by **Prof. Dr. Löwer**

Unleashing the guardian: dynamics and function of the tumor suppressor p53 in single cells



Wednesday 17th of June

Host: Ronja Diemer-Biehs

9:15-12:00 Talk Session 3

Sebastian Fuck (PI Dr. Thiel)

Response of cellular signal transduction cascades to ionizing irradiation

Laura Babel (PI Dr. Meckel)

3D cell cultures and their application in radiobiology

Miriam Grunewald (PI Dr. Meckel)

Analysis of the cluster state of membrane proteins

Sarah Albrecht (PI Dr. Schmidt)

Tailored in vivo assays for drug development

Nadine Erbedinger (PI Dr. Fournier)

Cardiac Ablation in a Pig Model with Carbon Particle Irradiation

Amir Mofidi (PI Dr. Deckbar)

DNA double strands break repair and cell cycle control in murine Embryonic and Neural stem cells

Kerstin Rau (PI Dr. Laube)

Effects of ionizing radiation on neural stem cells during differentiation

Nicole Kaiser (PI Dr. Frohns)

Effects of ionizing radiation on neuronal development in vivo

Dr. Bastian Roth (20-30 minutes, **Neurorad Project Member**)

Impact of ionizing radiation on neuronal fate of embryonic stem cells

12:00-14:00 Lunch Break

14:00-17:00 Poster Session 3

Poster presentation of students from **Talk Session 3**

17:00-18:00 Workshop Part 1

Problem Solving Workshop

Collection of Potential Problems

18:00-20:00 Dinner

20:00 Special lecture held by Prof. Dr. Kraft

Radiation Biology and Therapy in Darmstadt – Development and Future Perspective



Thursday 18th of June

Host: Nadine Erbedinger

09:15-11:00 **Workshop Part 2**

Problem Solving Workshop

Group Work

11:00-13:15 **Workshop Part 3**

Problem Solving Workshop

Presentations of Possible Solutions

14:00 Departure