

***Phenotype rescue in fibroblasts*** and ***Analysis of NGS exome data***  
***workshops*** organized within MEET consortium

**Munich, June 17-23, 2015**

**Lecturers:** Prof. Dr. Thomas Meitinger, *Technische Universität München, Munich, Germany, MEET WP3 Leader*  
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Dr. Bader AlHaddad, *Technische Universität München, Munich, Germany*  
Eliška Holzerová, *Technische Universität München, Munich, Germany, MEET Trainee*  
Laura S. Kremer, *Helmholtz Zentrum München, Neuherberg, Germany*  
Caterina Terrile, *Helmholtz Zentrum München, Neuherberg, Germany*  
Thomas Wieland, *Helmholtz Zentrum München, Neuherberg, Germany*  
[Svenja-Viola](#) Hensler, *Helmholtz Zentrum München, Neuherberg, Germany*

**Trainees:** Umut Cagin, *Fundación Centro Nacional de Investigaciones Cardiovasculares, Madrid, Spain*  
Michele Giunta, *Institute of Genetic Medicine, Newcastle upon Tyne, Great Britain*  
Selena Trifunov, *University of Bologna, Bologna, Italy*  
Eliška Holzerová, *Technische Universität München, Munich, Germany*

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**MORNING**

**AFTERNOON**

	<b>Wednesday 17.06.2015</b>	<b>Thursday 18.06.2015</b>	<b>Friday 19.06.2015</b>	<b>Weekend</b>	<b>Monday 22.06.2015</b>	<b>Tuesday 23.06.2015</b>
09:00		How to find the important variant? <b>T. Haack/B. AlHaddad</b>	Analysis of rescue by Seahorse, qPCR, WB, RCC <b>L. Kremer</b>		Collection of HEK virus <b>C. Terrile/A. Iuso/E. Holzerova</b>	Check cell culture, add selection drug <b>C. Terrile/A. Iuso/E. Holzerova</b>
10:00		Our database: how to start. <b>T. Wieland</b>	Cont. examples		Transduction of fibroblasts <b>A. Iuso/C. Terrile/E. Holzerova</b>	Titration of fibros with drug to find condition <b>A. Iuso/C. Terrile/E. Holzerova</b>
11:00		Examples to solve	Discussion of challenges <b>T. Meitinger</b>		Documentation of experiments <b>E. Holzerova/C. Terrile/A. Iuso</b>	
12:00	Arrival	Lunch break	Lunch break		Lunch break	Lunch break
13:00	Introduction, Safety, Documentation (HMGU guest contract) <b>H. Prokisch</b>	Toolkits for rescue experiments <b>E. Holzerova</b>	Mouse models <b>S. Hensler</b>		Which databases are important? <b>H. Prokisch</b>	Conclusions <b>H. Prokisch</b>
14:00	Basics of cell culture <b>E. Holzerova</b>	Introduction to transduction <b>E. Holzerova</b>	Cell culture preparation <b>L. Kremer/E. Holzerova</b>		Cont. examples/Check your gene of interest	Conclusions <b>T. Meitinger</b>
15:00	Introduction to NGS <b>E. Holzerova</b>	Cell culture preparation <b>E. Holzerova/L. Kremer</b>	Fibroblast preparation <b>L. Kremer/C. Terrile/E. Holzerova</b>			The End
16:00	Check cell culture (split) <b>E. Holzerova/L. Kremer</b>	Tranduction of HEK cells <b>L. Kremer/E. Holzerova</b>	Changing medium HEK cells <b>C. Terrile/E. Holzerova</b>		Discussion of challenges <b>H. Prokisch</b>	
17:00	Titration of fibros with drug to find condition <b>L. Kremer/E. Holzerova</b>		Titration of fibroblasts with drug to find condition <b>C. Terrile/E. Holzerova</b>			

**Social event: Wednesday 17. 06. 2015, 20:00**