



## 11<sup>th</sup> Swiss Course on Medicinal Chemistry in Leysin October 12 to 17, 2014

# Program

Sunday, October 12 <sup>th</sup>			
time slot	speaker	topic	location
18.00 – 20.00	welcome reception, dinner		
20.00 – 20.15	Dr. Gerhard Müller Prof. Beat Ernst	Welcome housekeeping introduction into program introduction into tutorials	auditorium
20.15 – 21.00	Dr. Gerhard Müller Prof. Beat Ernst	Medicinal Chemistry, a personal view	auditorium



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Monday, October 13 <sup>th</sup>			
time slot	speaker	topic	location
08.30 – 09.15	Karl-Heinz Altmann	Natural Product-Based Drug Discovery	auditorium
09.15 – 10.00	Bart deCorte	Underexplored Opportunities for Natural Products in Drug Discovery	auditorium
<b>10.00 – 10.30</b>	<b>Coffee break</b>		
10.30 – 11.15	Richard Morphy	Med Chem in CNS space	auditorium
11.15 – 12.00	Christoph Funk	Experimental ADME: Major DMPK properties to assess during Lead Optimization	auditorium
<b>12.00 – 13.30</b>	<b>Lunch</b>		
15.30 – 18.00	Steve Courtney/ Michael Mazanetz	T1 Fragment-based Lead Generation	Mozart
15.30 – 18.00	Andrew Mortlock Stijn Gremmen/ Leon van Berkomp	T2 Developing a Lead	Bach/Brahms
		T2 Lead Discovery Showcase	Strauss/Ravel
15.30 – 18.00	Christoph Rademacher/ Anders Friberg	T3 The NMR Toolbox for Medicinal Chemists	Beethoven
15.30 – 18.00	Frank Schager	T4 Importance of Patents in Drug discovery	Vivaldi-Verdi
18.15 – 19.00	Robert Owen	Ion Channel Drug Discovery: A medicinal chemistry perspective	Auditorium
<b>19.00 – 20.30</b>	<b>Dinner</b>		
20.30 – 21.30	Peter Grootenhuis	Discovery of VX-770 (Ivacaftor), a CFTR Potentiator for the Treatment of Cystic Fibrosis in G551D patients	auditorium



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Tuesday, October 14 <sup>th</sup>			
time slot	speaker	topic	location
08.30 – 09.15	Richard Sedrani	Proteases as Drug Targets	auditorium
09.15 – 10.00	Sven Ruf	Inhibition of Cathepsin A: A novel strategy for the treatment of cardiovascular diseases	auditorium
<b>10.00 – 10.30</b>	<b>Coffee break</b>		
10.30 – 11.15	Norbert Sewald	Peptidomimetics	auditorium
11.15 – 12.00	Hugo Kubinyi	Drug Metabolism	auditorium
<b>12.00 – 13.30</b>	<b>Lunch at Mercure or lunch packages for cable car trip</b> ( <i>only when the weather is nice</i> )		
<b>12.00 – 15.00</b>	<b>Cable car to La Berneuse</b> ( <i>enjoy the great view, ev. walk downhill to Leysin (approx. 1 ½ h)</i> )		
15.30 – 18.00	Steve Courtney/ Michael Mazanetz	T1 Fragment-based Lead Generation	Mozart
15.30 – 18.00	Andrew Mortlock Stijn Gremmen/ Leon van Berkorn	T2 Developing a Lead	Bach/Brahms
		T2 Lead Discovery Showcase	Strauss/Ravel
15.30 – 18.00	Christoph Rademacher/ Anders Friberg	T3 The NMR Toolbox for Medicinal Chemists	Beethoven
15.30 – 18.00	Frank Schager	T4 Importance of Patents in Drug discovery	Vivaldi-Verdi
18.30 – 19.00	Nils Hansen	Small molecule drug discovery for hard-to-drug targets	auditorium
<b>19.00 – 20.30</b>	<b>Dinner</b>		
20.30 – 21.30	Mark Murcko	The Role of Drugs & Other Disruptions in the Future Practice of Medicine	auditorium



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Wednesday, October 15 <sup>th</sup>			
time slot	speaker	topic	location
08.30 – 09.15	Gerhard Müller	Introduction into Kinases	auditorium
09.15 – 10.00	Ray Finlay	The Discovery of AZD9291	auditorium
<b>10.00 – 10.30</b>	<b>Coffee break</b>		
10.30 – 11.15	Paul Brennan	Epigenetic Targets in Drug Discovery	auditorium
11.15 – 12.00	Richard Chesworth	From Hit to Clinic, discovery and preclinical development of EZH2 inhibitor EPZ-6438	auditorium
<b>12.00 – 13.30</b>	<b>Lunch</b>		
14.00 – 14.45	Dave Swinney	Binding Kinetics	auditorium
14.45 – 15.45	Mark Murcko	A Few Structural Tales, A Few Lessons, A Clear Path Forward	auditorium
<b>16.30 – 17.30</b>	<b>Bus ride to Bex</b>		
<b>18.00 – 20.00</b>	<b>Visit of the salt mines</b>		
<b>20.00 – 22.00</b>	<b>Dinner underground</b>		
<b>22.30 – 23.30</b>	<b>Bus ride back to Leysin</b>		



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Thursday, October 16 <sup>th</sup>			
time slot	speaker	topic	location
8.30 – 09.15	Beat Ernst	Glycomimetics	auditorium
09.15 – 10.00	Nicholas Meanwell	Some Tactical Applications of Bioisosteres in Drug Design	auditorium
<b>10.00 – 10.30</b>	<b>Coffee break</b>		
10.30 – 11.15	Andrew Mortlock	Showcase on Lead Finding and Optimization	auditorium
11.15 – 12.00	Daniel Obrecht	Addressing Protein-Protein Interactions with Macrocyclic Peptidomimetics: Concepts and Therapeutic Applications	auditorium
<b>12.00 – 13.30</b>	<b>Lunch</b>		
15.00 – 17.00	Steve Courtney/ Michael Mazanetz	T1 Fragment-based Lead Generation	Mozart
15.00 – 17.00	Andrew Mortlock Stijn Gremmen/ Leon van Berkomp	T2 Developing a Lead	Bach/Brahms
		T2 Lead Discovery Showcase	Strauss/Ravel
15.00 – 17.00	Christoph Rademacher/ Anders Friberg	T3 The NMR Toolbox for Medicinal Chemists	Beethoven
17.30 – 18.30	Jonathan Mason	GPCRs in FBLG & SBDD	auditorium
<b>19.30 – 22.00</b>	<b>Course Dinner</b> ( <i>raclette or fondue</i> )		



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Friday, October 17 <sup>th</sup>			
time slot	speaker	topic	location
08.30 – 09.15	Juswinder Singh	The Resurgence of Covalent Drugs	auditorium
09.15 – 10.00	Jens-Uwe Peters	Polypharmacology in Drug Discovery: Facts, Fantasy, Friend, Foe?	auditorium
<b>10.00 – 10.30</b>	<b>Coffee break</b>		
10.30 – 11.15	Dirk Ullmann	Novel Assay Technologies in small-molecule drug discovery: from biophysics to phenotypic screening	auditorium
11.15 – 11.30	Beat Ernst Gerhard Müller	concluding remarks	auditorium
<b>11.30 – 13.00</b>	<b>Lunch</b>		

**Departure**