



## Program 12<sup>th</sup> Swiss Course on Medicinal Chemistry in Leysin October 9 to 14, 2016

Sunday, October 9 <sup>th</sup>			
time slot	speaker	topic	location
<b>16.00 – 18.00</b>	<b>Course check in</b>		
<b>18.00 – 20.00</b>	<b>welcome reception, dinner</b>		
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	Medicinal Chemistry, a personal <a href="#">introduction into the conference</a>	auditorium



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Monday, October 10 <sup>th</sup>			
08.30 – 09.30	1	Ch. Bountra <b>Medicinal Chemistry in the Epigenetic Target Base</b>	auditorium
09.30 – 10.15	2	Ch. Wa Chung <b>When to get Biophysical with Readers, Writers and Erasers</b>	auditorium
<b>10.15 – 10.35</b>	<b>Coffee break</b>		
10.35 – 11.20	3	G. Mueller <b>Medicinal Chemistry of Protein Kinase Inhibitor</b>	auditorium
11.20 – 12.05	4	A. Mortlock: <b>Medicinal Chemistry in the battle against cancer</b>	auditorium
<b>12.05 – 13.30</b>	<b>Lunch</b>		
14.15 – 15.15	5	N. Soldermann: <b>Discovery of CDZ173, a new generation of selective PI3Kdelta inhibitor for autoimmune and inflammatory diseases</b>	
15.30 – 18.00	T1+T2	T1 S. Gremmen/H. Albers: <b>Development of HIV medicine</b> T1 L. v Berkom/T. vd Bergh: <b>Development of a kinase inhibitor</b>	Mozart Vivaldi-Verdi
15.30 – 18.00	T3+T4	T2 A. Mortlock: <b>The Development of a Lead</b> T2 N. Meanwell + Brian Gerstenberger: <b>Some Applications of Isosteres in Drug Design</b>	Bach/Brahms Strauss/Ravel
15.30 – 18.00	T5+T6	T3 M. Whittaker: <b>Fragment based Lead generation</b> T3 M. Mazanetz: <b>Fragment based Drug Discovery</b>	Beethoven Smetana
18.15 – 19.00	6	Ch. Funk: <b>Experimental ADME: Major Properties to Assess During Lead Optimization</b>	Auditorium
<b>19.00 – 20.30</b>	<b>Dinner</b>		
20.30 – 21.30	7	G. Klebe <b>Chemodynamics and Kinetics in ligand binding</b>	auditorium



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Tuesday, October 11 <sup>th</sup>			
08.30 – 09.30	8	K. Leftheris: <b>The Evolution of p38 Inhibitors- Lessons Learned</b>	auditorium
09.30 – 10.15	9	F. Schager: <b>Importance of patents in Drug Discovery</b>	auditorium
<b>10.15 – 10.35</b>	<b>Coffee break</b>		
10.35 – 11.20	10	C. Zumbrunn: <b>Bad Bugs No Drugs: the Challenges of Antibacterial Drug Discovery</b>	auditorium
11.20 – 12.05	11	N. Meanwell: <b>The Discovery of HCV NS5A Replication Complex Inhibitors</b>	auditorium
<b>12.05 – 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	T1+T2	T1 S. Gremmen/H. Albers T1 L. v Berkom/T. vd Bergh	Mozart Vivaldi-Verdi
15.30 – 18.00	T3+T4	T2 A. Mortlock T2 N. Meanwell + Brian Gerstenberger	Bach/Brahms Strauss/Ravel
15.30 – 18.00	T5+T6	T3 M. Whittaker T3 M. Mazanetz	Beethoven Smetana
18.15 – 19.00	12	J. Dumas: <b>Fully Synthetic Tetracyclines: Increasing Chemical Diversity to Combat Multidrug-resistant Bacterial Infections</b>	auditorium
<b>19.00 – 20.30</b>	<b>Dinner</b>		
20.30 – 21.30	13	P. Grootenhuis: <b>Discovery of CFTR Moldulators for the Treatment of Cystic Fibrosis</b>	auditorium



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Wednesday, October 12 <sup>th</sup>			
08.30 – 09.30	14	L. Dakin: <b>Hit ID Strategies for Protein-Protein Interactions: IL-17A, a Case</b>	auditorium
09.30 – 10.15	15	D. Obrecht: <b>Macrocycles beyond the rule of 5: A privileged structural class for addressing complex targets with high medical need</b>	auditorium
<b>10.15 – 10.35</b>	<b>Coffee break</b>		
10.35 – 11.35	16	T. Weller: <b>The discovery of macitentan (Opsumit®)</b>	auditorium
11.35 – 12.20	17	J. Mason: <b>The Revelations of GPCR Structure-Based Drug Design: Implications for all ligand design including key role of waters &amp; new opportunities for fragment-based design</b>	auditorium
<b>12.20 – 13.30</b>	<b>Lunch</b>		
14.00– 14.45	18	A. Nordqist <b>Drug discovery enabled by a phenotypic screening paradigm</b>	auditorium
14.45 – 15.45	19	H. Ratni <b>Specific correction of alternative survival motor neuron 2 (SMN2) splicing by small molecules: Discovery of a potential novel medicine to treat spinal muscular atrophy</b>	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 13 <sup>th</sup>			
time slot	speaker	topic	location
08.30 – 09.30	20	P.Hergenrother <b>Traversing the Valley of Death in Anticancer Drug Discovery</b>	auditorium
09.30 – 10.15	21	K-H. Altmann <b>Natural Product-Based Drug Discovery</b>	auditorium
<b>10.15 – 10.35</b>	<b>Coffee break</b>		
10.35 – 11.20	22	A. Bell <b>Phosphodiesterases and Their Inhibitors</b>	auditorium
11.20 – 12.05	23	J. Vicklund <b>Computational Chemistry in Medicinal Chemistry</b>	auditorium
<b>12.05 – 13.30</b>	<b>Lunch</b>		
14.45 – 17.15	T1+T2	T1 S. Gremmen/H. Albers	Mozart
		T1 L. v Berkom/T. vd Bergh	Vivaldi-Verdi
14.45 – 17.15	T3+T4	T2 A. Mortlock	Bach/Brahms
		T2 N. Meanwell + Brian Gerstenberger	Strauss/Ravel
14.45 – 17.15	T5+T6	T3 M. Whittaker	Beethoven
		T3 M. Mazanetz	Smetana
17.30 – 18.30	24	H. Kubinyi <b>Integrating Drug Metabolism into Lead Structure Optimization</b>	auditorium
<b>19.30 – 22.00</b>	<b>Course Dinner</b> ( <i>raclette or fondue</i> )		



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Friday, October 14 <sup>th</sup>			
08.30 – 09.30	25	B. Ernst <b>Glycomimetics</b>	auditorium
09.30 – 10.15	26	F. Benfatti <b>Lead optimization in crop protection research</b>	auditorium
<b>10.15 – 10.35</b>	<b>Coffee break</b>		
10.35 – 11.20	27	N. Sewald <b>Peptidomimetics</b>	auditorium
11.20 – 11.35	Beat Ernst Gerhard Müller	concluding remarks	auditorium
<b>11.35 – 13.00</b>	<b>Lunch</b> <b>Departure</b>		