

French-German Summer School; Giessen, August 19th – 30th, 2013

Membrane Proteins: From Cloning to Function

Monday 19.8.2013	Tuesday 20.8.2013	Wednesday 21.8.2013	Thursday 22.8.2013	Friday 23.8.2013
<p>Method Seminar PCR applications and DNA sequencing GEYER 9:00-11:00</p> <p>Practical Course PCR applications, expression profiling, pharmacogenetic diagnostics GEYER/DÖRING 11:00-13:00 14:30-16:30</p> <p>Seminar Veterinary Pharmacogenetics GEYER 16:30-17:30</p>	<p>Seminar in Bioinformatics Databases, BLAST, sequence alignment, protein families, phylogenetic trees, sequence analysis, primer design LÜTTEKE 9:00-12:00 13:00-15:00</p> <p>Molecular Olympics BFS 15:00-16:00</p> <p>Guest Speaker Talk Knockout models in biomedical research SCHNEIDER, LMU Munich 16:15-17:45</p>	<p>Method seminar Restriction enzymes and cloning techniques DÖRING 9:00-10:00</p> <p>Practical Course Cloning, DNA and RNA preparation, Genotyping of knockout mice, transfection of eukaryotic cells GEYER/DÖRING 10:00-13:00 14:30-16:30</p> <p>Seminar Drug transporters in pharmacokinetics GEYER 16:30-17:30</p>	<p>Summer School Mini Congress Presentation of the student's projects (15 min each) BFS 9:00-12:00 14:00-17:00</p>	<p>Method seminar Culturing of mesenchymal stem cells ARNHOLD/WENISCH 9:00-12:00</p> <p>Practical Course Method seminar with demonstration ARNHOLD/WENISCH: Stem cells in biomedical research Isolation, culturing and differentiation of stem cells, immunofluorescence detection of marker proteins Group A 13:30 – 15:30 Group B 15:30 – 17:30 MAZUREK: Investigations on stem cell metabolism Group B 13:30 – 15:30 Group A 15:30 – 17:30</p>
<p>Welcome Reception LIEBIG MUSEUM Sponsored by Virbac 19:00-23:00</p>			<p>Congress Dinner MATHEMATIKUM Sponsored by Boehringer Ingelheim 20:00-24:00</p>	

French-German Summer School 2013

Monday 26.8.2013	Tuesday 27.8.2013	Wednesday 28.8.2013	Thursday 29.8.2013	Friday 30.8.2013
<p>Seminar in Bioinformatics PDB, protein structure prediction, homology modeling, protein modifications, molecular dynamics LÜTTEKE 9:00-12:00 13:00-15:00</p> <p>Journal club (Speed-)Presentation of student's most favored paper (3 min each) BFS 15:00-16:00</p> <p>Guest Speaker Talk Emerging techniques in biomedical research TBA (French) 16:15-17:45</p>	<p>Method Seminar Protein expression and purification, Western blot SCHEINER-BOBIS 9:00-11:00</p> <p>Practical course Expression and functional characterization of the Na⁺/K⁺-ATPase in yeast cells SCHEINER-BOBIS 11:00-13:00 14:30-16:30</p> <p>Seminar Endogenous cardiac glycosides and hypertension SCHEINER-BOBIS 16:30-17:30</p>	<p>Method Seminar Functional analyses of tyrosine kinases by biochemical, physiological and microscopical methods GREVELDING 9:00-11:00</p> <p>Practical course Isolation, staining and confocal laser scanning microscopy of adult schistosomes for morphological analyses GREVELDING/QUACK/ GELMEDIN 11:00-13:00 14:30-16:30</p> <p>Seminar Tyrosine-kinase signaling in schistosomes GREVELDING 16:30-17:30</p>	<p>Method Seminar Intracellular calcium imaging in living cells during ligand-gated activation of membrane-intrinsic ion channels or metabotropic receptors GERSTBERGER 9:00-11:00</p> <p>Practical course Intracellular calcium imaging in neuro-glial primary cultures or tissue preparations DIENER/GERSTBERGER/ROTH 11:00-13:00 14:30-16:30</p> <p>Seminar: Inflammation, transcript factors and the brain RUMMEL 16:30-17:30</p>	<p>Excursion MSD Intervet Schwabenheim</p>
				<p>CAMPUS party Sponsored by IDEXX Laboratories</p>