Klinisches Wahlfach



blanalp hstitute (CPI), Haus 25B, Theodor-Stern-Kai 7, 60590 FFM und is aimed at students who wish to pursue an experimental language of the course is English. is aimed at students who wish to pursue an experimental
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roviding distinct experimental procedures, the course will provide helial cell culture and function in response to pro-inflammatory stimuli as well as confocal imaging, immunofluorescence and hts may choose any subcategory of interest.
udents will gain exposure to the intricate network of mechanisms expression levels. Adding to the courses depth will be discussion A classes with respect to their form and function. Finally, ands on experience by isolating total RNA from endothelial cells rese transcription for cDNA synthesis. Subsequently, they will real time PCR studies to evaluate the expression pattern of ousekeeping transcripts. The students will also learn to yse the data using appropriate software. Cardiovsacular Single Maintenance of the cardiovascular system involves carefully of the component cells of the heart (e.g. cardiomyocytes, roblasts, pericytes, etc.). The increasing disorder of the cardiac ntly lead to pathology. I'm about developing technologies in the field, how to apply them , and develop opportunities for in silico development and testing n student will perform a basic bioinformatic analysis and learn to alytical tools. RNA Therapeutics: The students will learn about A-based therapeutics. This will span methods for discovery, to hment in the field. An overview of the current therapies in clinical provided. From RNAs predicted to be important for therapeutic

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Studienleistungen	The students will gain exposure to the intricate network of mechanisms that regulate RNA expression levels. Adding to the courses depth will be discussion of the divergent RNA classes with respect to their form and function. Finally, students will have hands on experience by isolating total RNA from endothelial cells and performing reverse transcription for cDNA synthesis. Subsequently, they will perform quantitative real time PCR studies to evaluate the expression pattern of marker genes and housekeeping transcripts. The students will also learn to summarize and analyse the data using appropriate software.
Art der Prüfung	At the end of the elective course, each student will write an experimental protocol (max 3 pages) and will present (max 10 min/ student) at an online joined event. Grades will be cumulatively based on protocol and presentation. No missing hours are allowed.
Weitere Hinweise	
Literaturhinweise	

