

course-no.	course title	no. of CPs (according to ECTS):
<i>Pain Research</i>	<i>Pain Research – from animals to humans</i>	5

type of course	responsible for the course	email / tel.-no.
<i>elective</i>	<i>Dr. Achim Schmidtko (Brigitte Held)</i>	<i>held@pharmchem.uni-frankfurt.de 069-798-29801</i>

Course Description

1. aims
<p><i>PhD students get to know typical analgesics, the mechanism of action, pain therapy, preclinical testing of analgesic drugs in animals and clinical testing of analgesic drugs in humans</i></p> <p><i>PhD students should understand pain and pain therapy, research into new analgesics</i></p>

2. content
<ol style="list-style-type: none"> 1. Introduction into mechanisms of pain and painkillers 2. Current strategies for the treatment of pain 3. Preclinical testing of analgesic drugs in animals 4. Clinical testing of analgesic drugs in humans

3. course modules					
Module/Course title	type of module/course	hours per week in a semester	CPs	mandatory (M)/elective (e)	characteristics
<i>Pain Research – from animals to humans</i>	V/S	1	5	e	

4. description of teaching and learning format

Lecture with seminars

5. qualification/condition for attendance

- *Science degree*
- *interest*

6. applicability

General knowledge about pain research and how to investigate pain and pain relief

7. amount of work and credit points (CPs)

Beispiel:	weeks	hours/week	hours (total)	CPs
<i>Lecture/seminar</i>	<i>1</i>	<i>5</i>	<i>5</i>	
<i>Exam – test – included in lecture/seminar</i>				
<i>Preparation, follow-up for lecture</i>	<i>1</i>	<i>1</i>	<i>1</i>	
			<i>6</i>	<i>5</i>

8. examination and marking of the course

Seminar/workshop embedded in the lecture/seminar

9. duration of the course

19.2.2009, 9:00 – ca. 14:00, GSH

10. number of participants

minimum: 8, maximum: 25

11. registration

Register with Brigitte Held (by email: held@pharmchem.uni-frankfurt.de)

12. literature; lecture notes**13. other**