

<b>PATCH CLAMP COURSE PROGRAMME</b>		
<b>28 June 2010</b>		
08:00-08:45	Basics of Voltage clamp Patch clamp methods (On cell, whole cell, inside out and outside out recordings)	Theoretical
09:00-09:45	Hardware and software requirements for a patch clamp setup	Theoretical
10:00-10:45	Introducing the patch-clamp equipments (Amplifiers, microscope, patch pipettes, puller, micromanipulator and faraday cage)	Practical
11:00-12:00	How to make Pipettes for patch-clamp (Resistance, and suitable tip diameter)	Practical
LUNCH BREAK (12:00-13:00)		
13:00-14:30	Handling a micromanipulator, Touching a cell, Getting gigaseal and Getting whole cell recordings from a cell	Practical
14:45-16:00	Analysis of the recordings	Practical
16:15-17:15	Electrical artifacts and importance of grounding	Practical
17:30-19:00	Probable problems and Solutions	Practical