Evaluation of student course HUIMM906/306 Spring 2013

Background:

Initially, six students started the course but one student dropped out due to time limitations. The remaining five students were one PhD student, 2 master student, 1 post-master student and 1 medical student of the research line (forskerlinjestudent). The background was medical cell biology (1), biology (1), molecular biology (1), veterinary science (1) and medicine (1). The course was an intensive course over 14 days starting Monday May 27. The course was from 8 in the morning until 16 in the afternoon. The course was organized by Silke Appel with help from Richard Davies and Petra Vogelsang. In addition, Kjerstin Jacobsen had the practical training for one method and Marc Niere had one theoretical lecture.
The plan for the course is given in the appendix. The methods that were included in the course were sterile technique/ cell isolation, cell culture, protein lysis and protein determination, SDS-PAGE and Western blotting, ELISA, PCR and immunofluorescence staining.

The evaluation was performed as a written evaluation.

All five students handed in a written evaluation. The questions are listed in the appendix.

All five students following the course passed.

Results from the written evaluation

Question A, B, E, F and G were graded from 1 to 6 with 6 being the best (very bad, bad, OK, good, very good, excellent). The average is presented. Question C and D as given 'as is' and question H was comments.

A. What is your general impression of the course?

One graded 'very good', three graded 'good' and one graded 'OK'.
Mean: 4

B. How much did you learn at the course?

Two graded 'very much', three graded 'much'.
Mean: 4.4

C. Have your expectations been fulfilled with regard to the description of the course?

Three graded 'very relevant', two graded 'relevant'.

D. What do you think about the demands of the course in relation to the credited study points?

All five graded 'appropriate'.

E. What do you think about the scientific knowledge/background of the lecturers and supervisors?

One graded 'excellent', three graded 'very good', one graded 'good'.
Mean: 5

F. How were the relevant topics communicated?

Two graded ‘very good’, three students graded ‘good’.

Mean: 4.4

G. How did you like the protocols?

One student graded ‘very good, three students graded ‘good’, one graded ‘OK’.

Mean: 4

H. Comments/suggestions:

-Extra tasks for incubation times (alternatively tea/biscuits)

-focus one just one technique to be able to do independent experiment planning, but nice course as a general introduction

Appendix

1) Timetable

HUIMM906/306
27.5.-7.6.2013

Date	Time	Task	Supervisor
Monday 27.5.	10:00-10:30 10:45-11:30 11:45-12:30 13:30-16:00	General Introduction Introduction Buffy coat/monocytes, Protocol Ficoll and BCA assay Calculation/preparation of buffers/BSA standards	Silke, Richard Silke Silke Silke/Richard/ Kjerstin
Tuesday 28.5.	9:00-14:00 14:30 15:00-16:00	Buffy, isolation of PBMC and monocytes – 1 Falcon and 1 plate (6 wells) each add LPS to half of the cells lyse cells in 2/3 wells of each population (5 min ice, spin 5 min)	Silke/Richard/ Kjerstin
Wednesday 29.5	9:00-11:00 11:00-12:00 13:00-14:00 14:30 15:00-16:00	BCA assay, Direct Detect Introduction SDS-PAGE and WB Protocol SDS-PAGE and WB Harvest remaining 24h supernatants Prepare gels for WB	Silke/Kjerstin Marc Richard Richard/Silke Richard/Silke
Thursday 30.5.	9:00-10:00 10:00-11:30 12:00-13:00 13:00-13:30 14:00-15:00 15:00-16:00	load gels gel run transfer Ponceau staining blocking divide membrane, phosphospecific and total 4°C ON	Richard/Silke
Friday 31.5.	9:00-9:30 9:30-10:30 10:30-12:30 13:00-15:00	continue WB: washing 2nd Ab – Intro PCR/qPCR Washing and detection WB Protocol/preparations PCR/qPCR	Silke/Richard Silke Silke/Richard Silke/Kjerstin
Monday 3.6.	9:00-12:00 12:00-14:00 14:00-15:00 15:00-16:00	PCR/qPCR Protocol Immunostaining seed cells for immunostaining Analyze PCR/qPCR	Silke/Kjerstin Petra Petra Silke/Kjerstin
Tuesday 4.6.	9:00-12:00 13:00-14:00 14:00-16:00	Immunostaining (fix+stain) Introduction ELISA Paper preparations	Petra Silke Silke/Richard
Wednesday 5.6.	8:00-16:00	ELISA in incubation steps: Immunostaining (analyze)	Kjerstin Petra
Thursday 6.6.	9:00-11:00 11:00-12:00 13:00-16:00	Paper preparations Introduction FACS Paper preparations	 Petra
Friday 7.6.	9:00-16:00	Paper presentations+discussion Summary/Conclusion	Silke/Richard

2) The evaluation form

Evaluation of the course

Molecular and cellular methods in immunology – HUIMM906/306

We would greatly appreciate your feedback so we can improve the course.

A. What is your general impression of the course?

very bad --- bad --- OK --- good --- very good --- excellent

B. How much did you learn at the course?

very little --- little --- some --- much --- very much --- a lot

What do you think about the scientific content of the course?

C. Have your expectations been fulfilled with regard to the description of the course?

irrelevant --- relevant --- very relevant

D. What do you think about the demands of the course in relation to the credited study points?

too much / too difficult --- appropriate --- too little / too easy

How was the teaching?

E. What do you think about the scientific knowledge/background of the lecturers and supervisors?

very bad --- bad --- OK --- good --- very good --- excellent

F. How were the relevant topics communicated?

very bad --- bad --- OK --- good --- very good --- excellent

G. How did you like the protocols?

very bad --- bad --- OK --- good --- very good --- excellent

H. Comments/suggestions: (use backside if necessary)