

Student Forum 2014



uniformity of practical
training within the
countries

Preview

- I. About the topic
- II. Comparison of results
- III. Interpretation of results
- IV. Suggestions to improve practical education
- V. Photo exhibition

I About the topic

A series of horizontal lines in teal and light blue colors, some solid and some dashed, extending across the bottom of the slide.

Uniformity of practical education within the countries

Hypothesis:

Practical training is different even within one country.

Aim:

Find out if the structure and contents of practical training during BMS education are comparable within a country.

II Comparison of results

A series of horizontal lines in teal, light blue, and white, extending across the width of the slide below the title.

1. Frame Data

Austria	Belgium	Germany	Sweden	Switzerland	Estonia	Ireland	Norway
Number of institutions compared:							
5	3	2	3	1	1	1	2
Number of students per course (drop out):							
15 to 75 (1-26)	43 to 120 (21-87)	38 (2)	18 -130 (6-80)	35 (6)	24 (8)	55 (20)	40 to 44 (28)
How many ECTS for BMS bachelor?							
180	180	no bac./no ECTS	180	no bac./equivalent to 180 ECTS	210	240	180

2. Structure of practical training

Austria	Belgium	Germany	Sweden	Switzerland	Estonia	Ireland	Norway
Are there different types/stages of practical training?							
Internal (training laboratory) / external (clinical placements, industry, research...)							
In which semester do you start with practical training?							
2.-4.	5.-6.	4.-5.	5.	3.	2.	5.	2nd semester (both schools)
How many placements for practical training do you have?							
5 to 8 (external)	4 to 5	7	4 to 7	3	9	2	7 (both schools)
How many weeks in total?							
~30 weeks	Min. 16 weeks	20-25 weeks	15 weeks	18 months	26 weeks	25 weeks	11-15 weeks

3. Contents of practical training

	Austria	Belgium	Germany	Sweden	Switzerland	Estonia	Ireland	Norway
Do you have mandatory subjects/areas for practical training?								
	yes (regulated by law)	yes	yes	yes	yes	yes	yes	yes
Do you prepare a portfolio/report/case study of your clinical placement work?								
	all: placement report; some: + reflexion, daily diary	report and/or oral presentation; notebook	work out a paper about a chosen topic /describe learning progress	workbook and report/ routine placements: oral report speciality placements: written report	portfolio + conversation about it case study during first placement	portfolio	1 case study per rotation Log book	Report

4. Evaluation

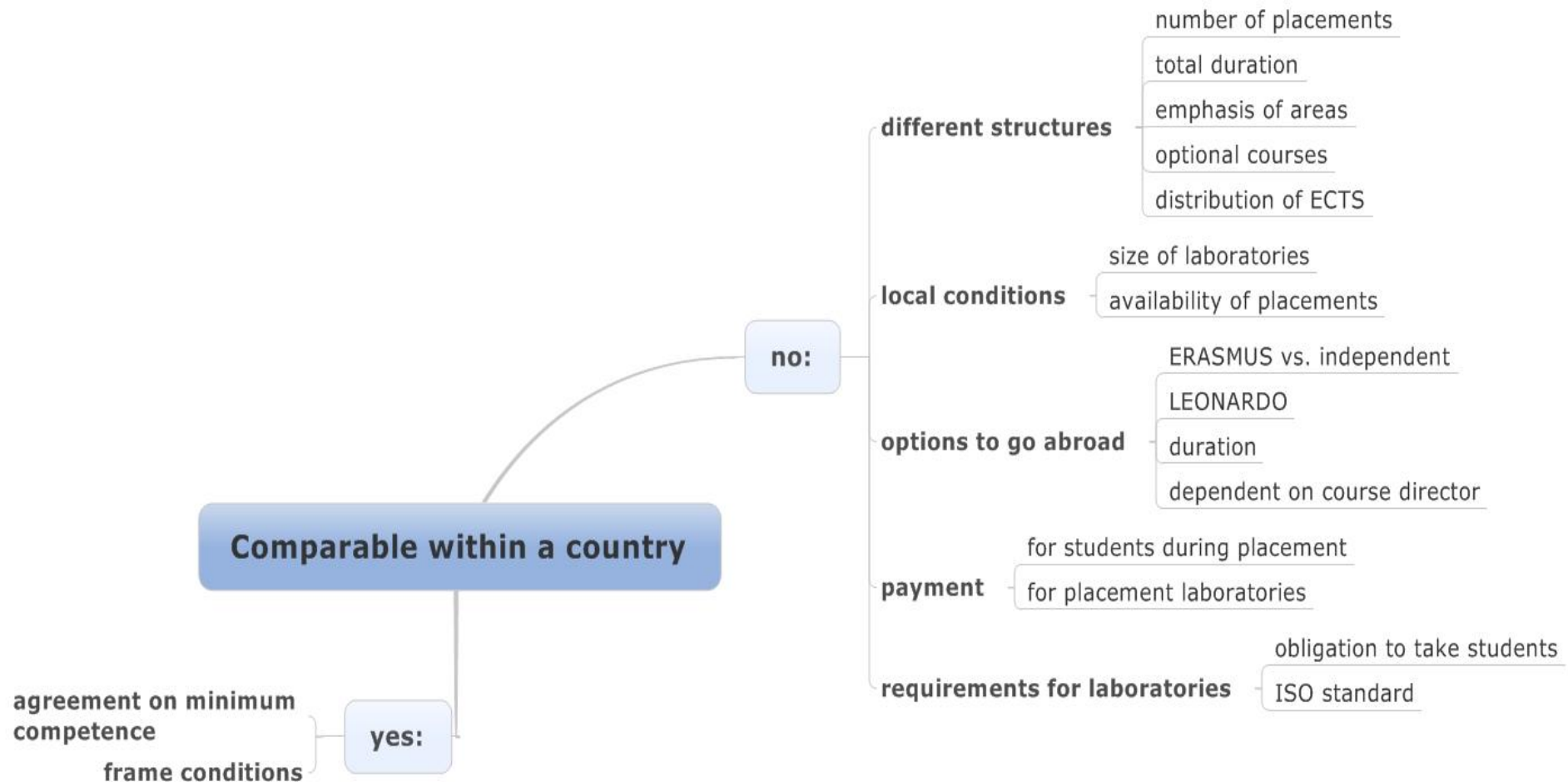
	Austria	Belgium	Germany	Sweden	Switzerland	Estonia	Ireland	Norway
Is there an evaluation of the student by their institution/college?								
	yes	yes	yes	yes	yes	yes	Yes	Yes
Is there an evaluation of the student by their placement mentors?								
	yes	yes	yes	yes	yes	Yes	No	No
Is there an evaluation of the placement by the student?								
	yes	no	yes	yes	yes	yes	Yes	Yes/No
Is there an evaluation of the placement by the educational institution/college?								
	depending on evaluation by the student	informal evaluation	not by all institutions	yes	yes	yes (college usually gives feedback)	Yes	Yes

5. Organisation of practical training

Austria	Belgium	Germany	Sweden	Switzerland	Estonia	Ireland	Norway
Can you choose where to do your clinical placements? Who decides?							
Students can submit preference							
What is required for laboratories to get students for training? (areas, special education of BMS for student mentoring, ISO standard, ...?)							
placement guidelines, 'state of the art'	Presence of sufficient and available supervision	ISO standard, mentors	accreditation, mentorship	standards defined for every specialist area	no fixed requirements	Accreditation, mentors, multi-disciplinary	no fixed requirements
Is it possible to go abroad for placements? To which countries? How are they chosen?							
Yes	Yes	No/Yes (EU)	Yes (EU, USA, SE Asia)	No	Yes	Yes	Yes

III Interpretation of results

A series of horizontal lines in teal and light blue colors, extending across the width of the slide below the title.



comparable between the countries

no:

cost of education

payment

phlebotomy

molecular testing

yes:

mandatory areas
mainly the same

Diversity useful???

- necessary: outcome! (minimum competences)
 - no: if you need to change institution
 - yes: availability of placements (all students in same time)
- Diversity is useful as long as the equivalent skills and competences are met**

IV The 'perfect' practical training

A series of horizontal lines in teal and light blue colors, with varying lengths and slight offsets, creating a modern, layered effect across the width of the slide.

1. Frame data

- Institution: all of Europe
- How many students should start studying Biomedical Science and how many should finish?
max. 40 students, no dropouts
- How many ECTS should you get for a Biomedical Science bachelor degree?
min. 180 ECTS

2. Structure of practical training

- Should there be different types/stages of practical training?
Yes: internal and external
- In which semester should you start with practical training?
Internal: 1.semester External: 2 -3 semester
- How many placements for practical training?
5 mandatory placements + 1 optional
- How many hours each?
90 - 150 hours (in the lab) per placements (3 - 5 weeks)

3. Contents of practical training

- Should you have mandatory subjects/areas for practical training? Which?

Clinical chemistry and hematology, pathology, microbiology, transfusion medicine, molecular techniques.

- Do you prepare a portfolio/report/case study of your clinical placement work?

A report from 10 - 15 pages, with a greater focus on backgrounds + a casestudy!

4. Evaluation

YES!

5. Organisation of practical training

- Who should choose where to do the clinical placements?
yes, the student
- What should be required for laboratories to get students for training?
ISO standard. A mentor that is prepared and motivated to teach.
- Is it possible to go abroad for clinical placements?
To which countries? How are they chosen?
Yes, to the countries with equal standards

The story of Sofia



In the laboratory



Evaluation



Studies abroad



Graduation



V Photo exhibition

A series of horizontal lines in teal, light blue, and white, extending across the bottom of the slide.

Austria

Österreich



Austria



Austria



Austria



Austria



Austria



Austria



Austria



Austria



Austria



Austria



Belgium



België

Belgique

Belgium



Belgium



Belgium



Belgium



Belgium



Belgium



Belgium



Belgium





Estonia

Eesti



Estonia



Estonia



Estonia



Estonia



Estonia



Estonia



Estonia



Estonia



Germany



Deutschland



Germany





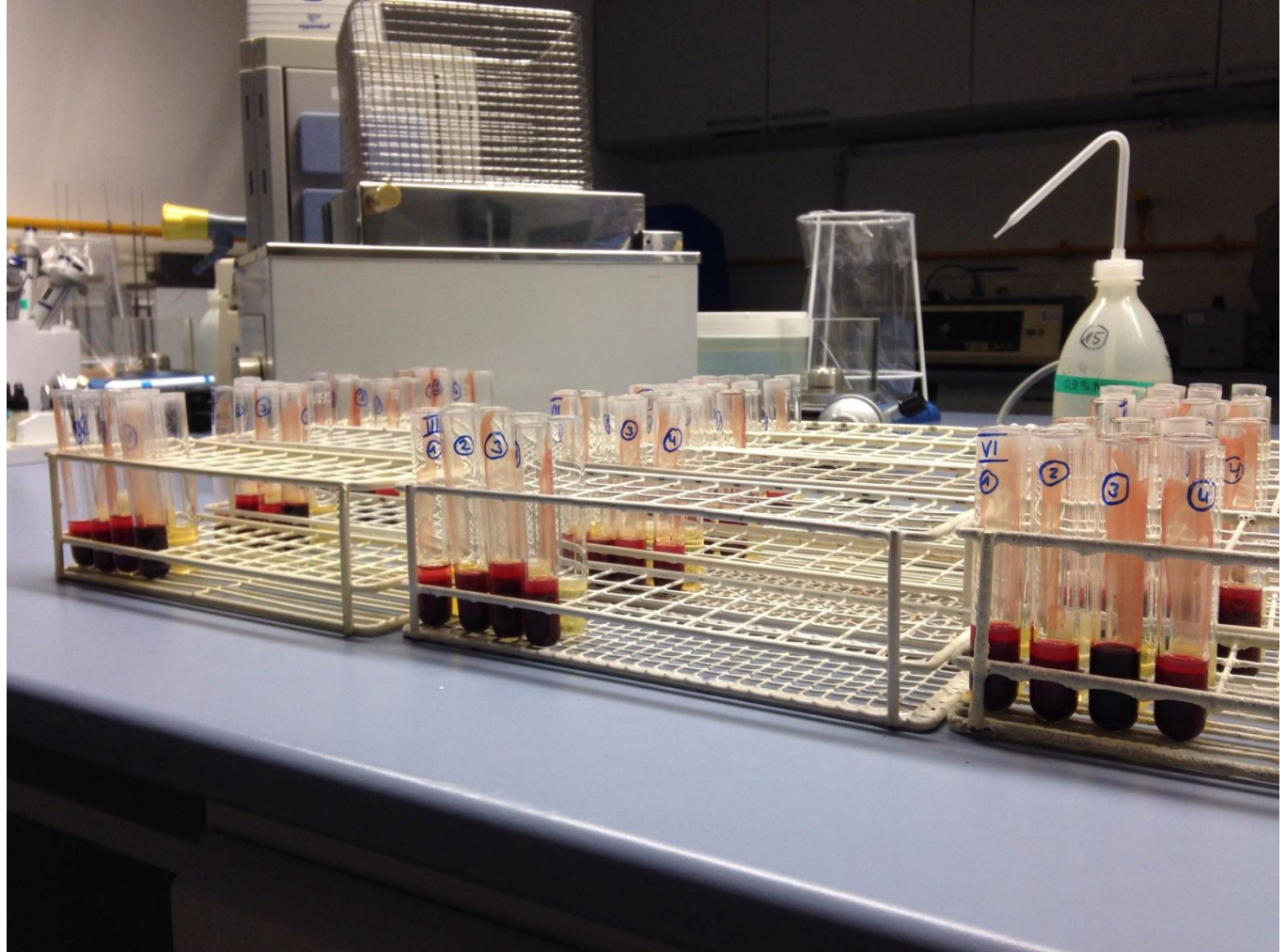
Germany



Germany



Germany





Germany

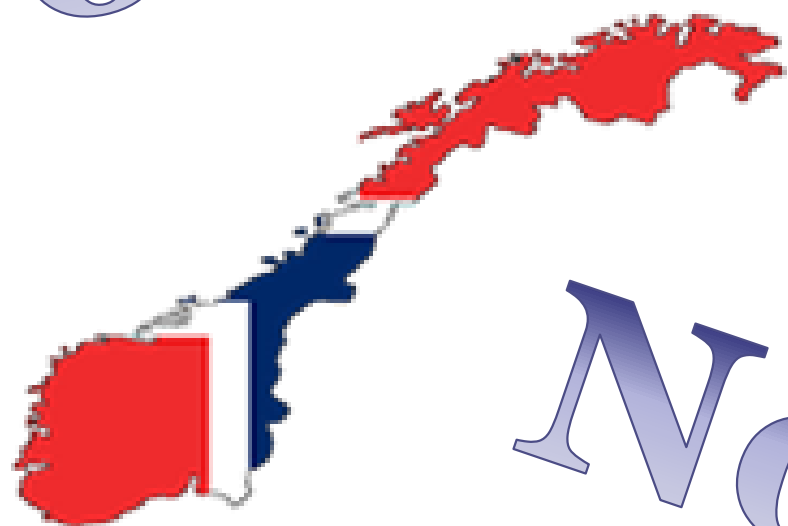




Germany



Norway

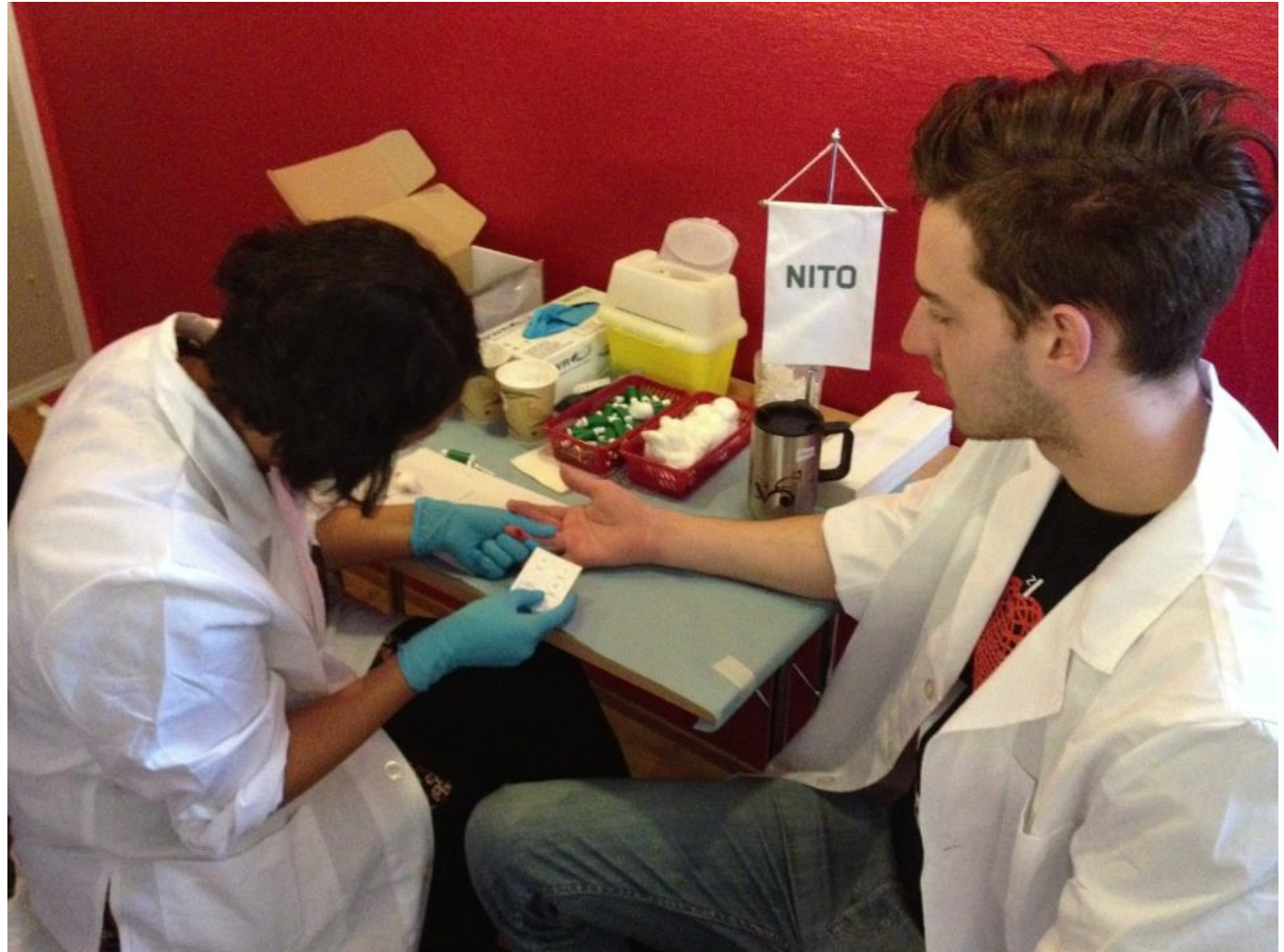


Norge

Norway



Norway



Norway



Sweden

Sverige



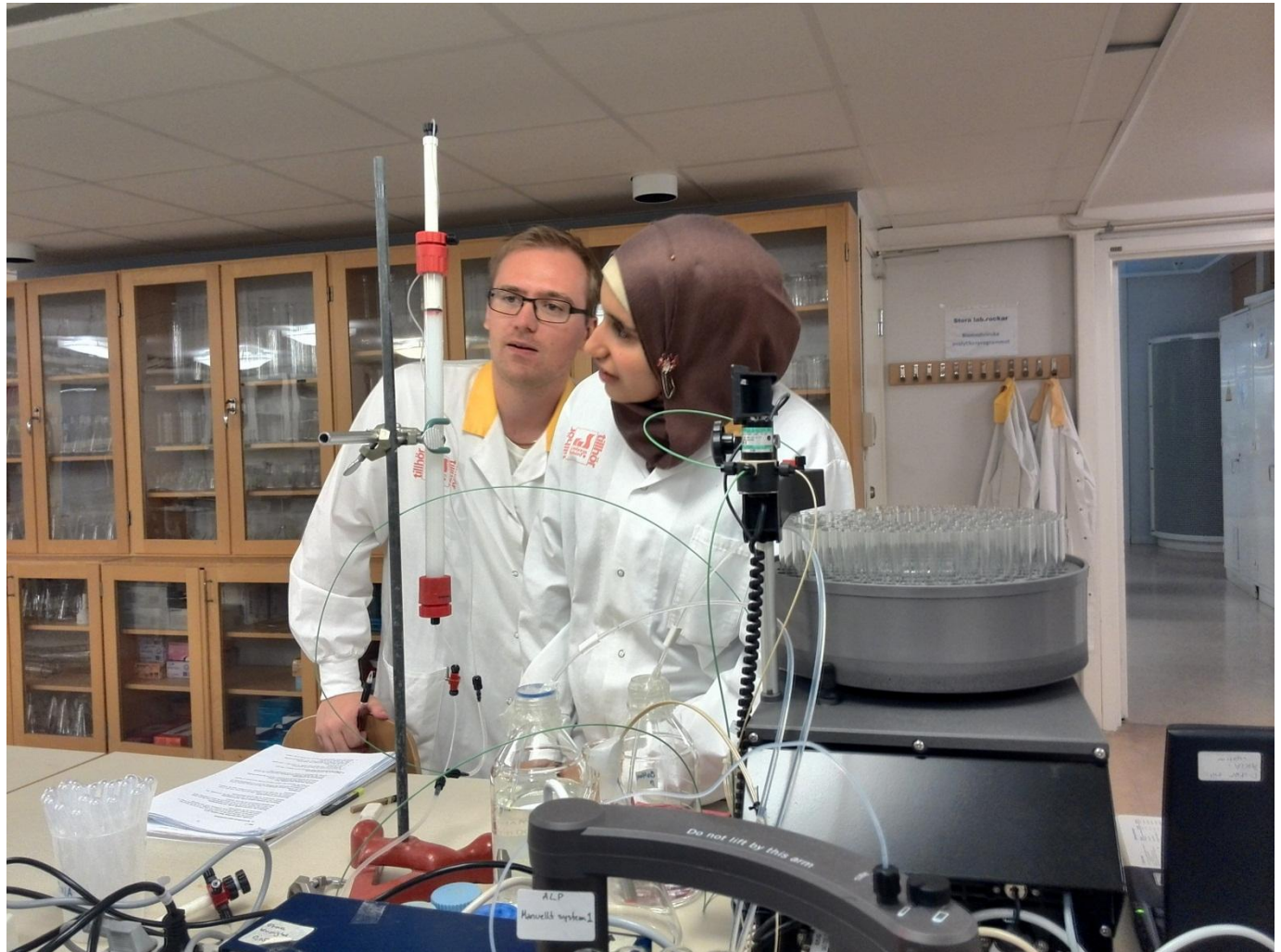
Sweden



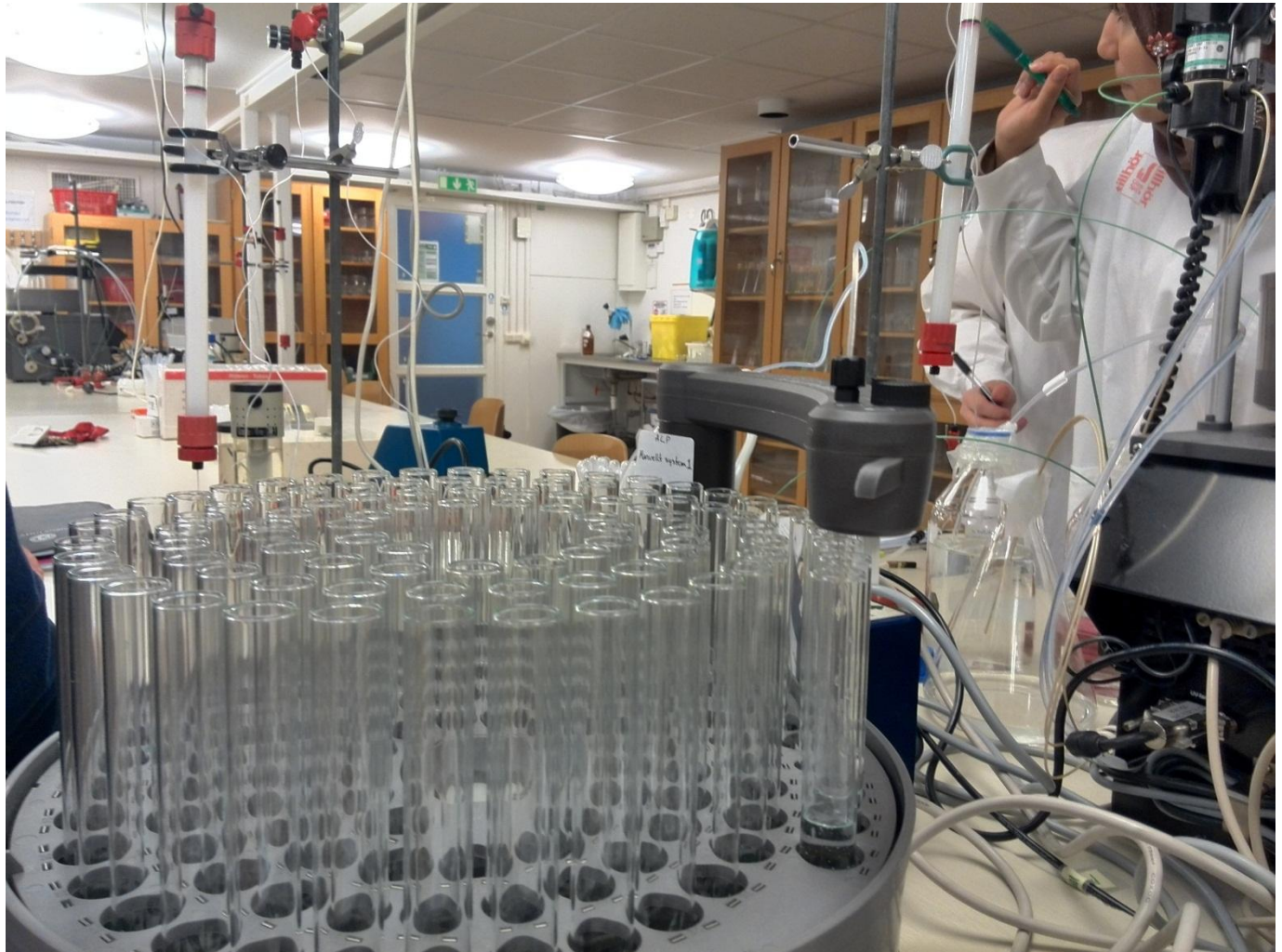
Sweden



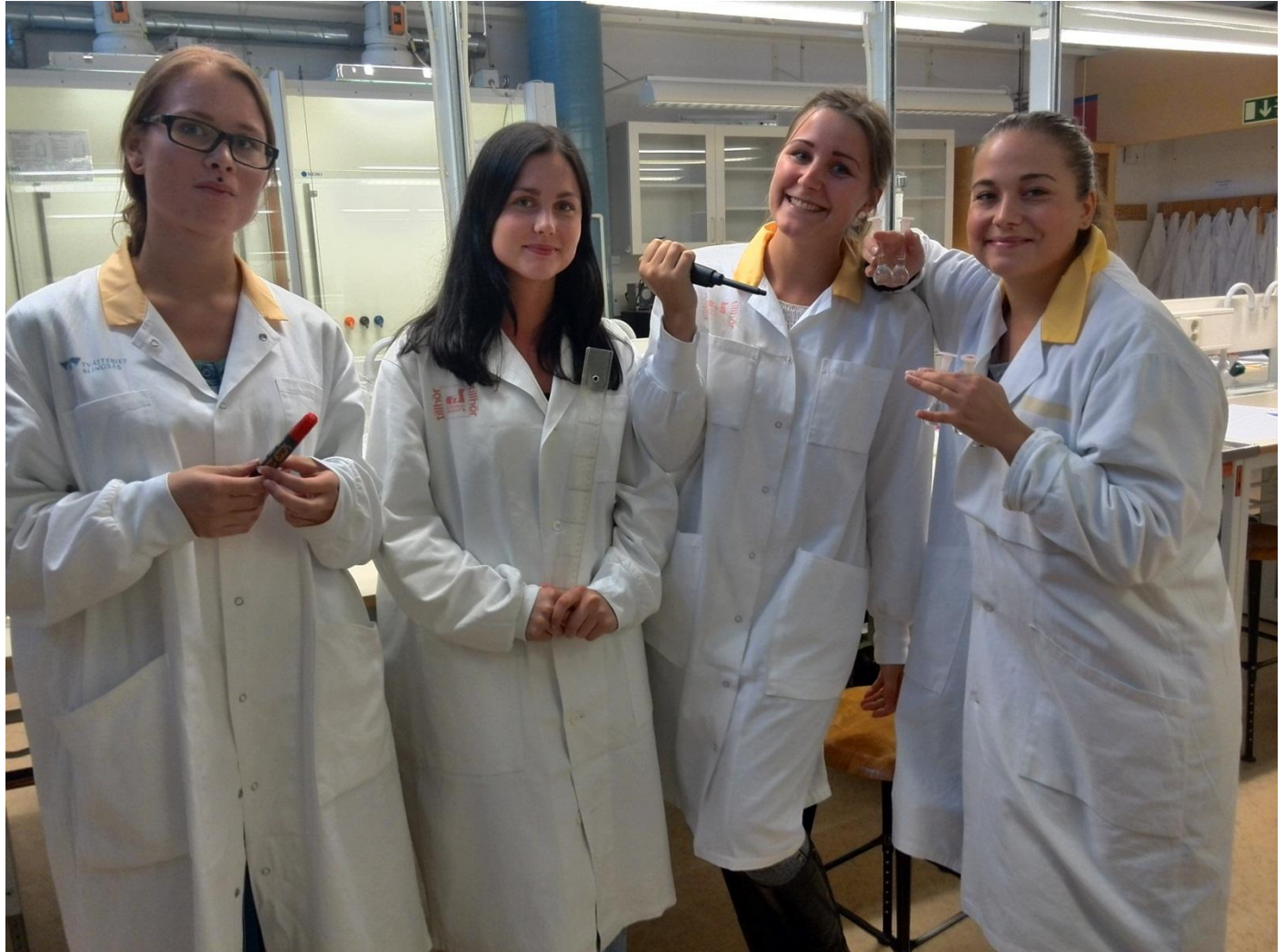
Sweden



Sweden



Sweden



Sweden



Sweden



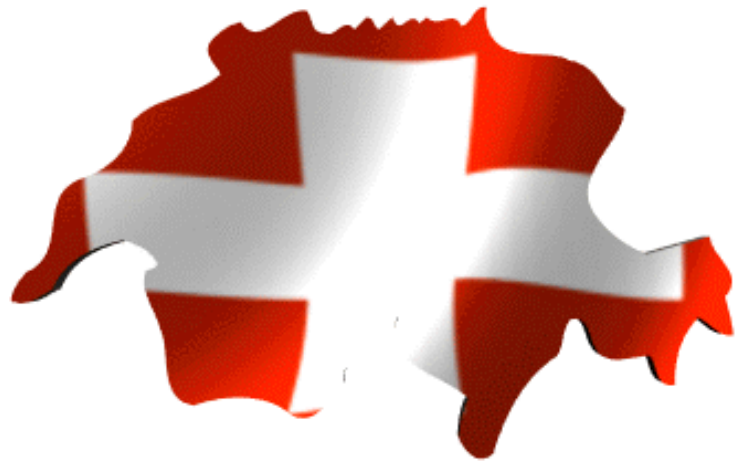
Sweden



Sweden



Switzerland



Schweiz

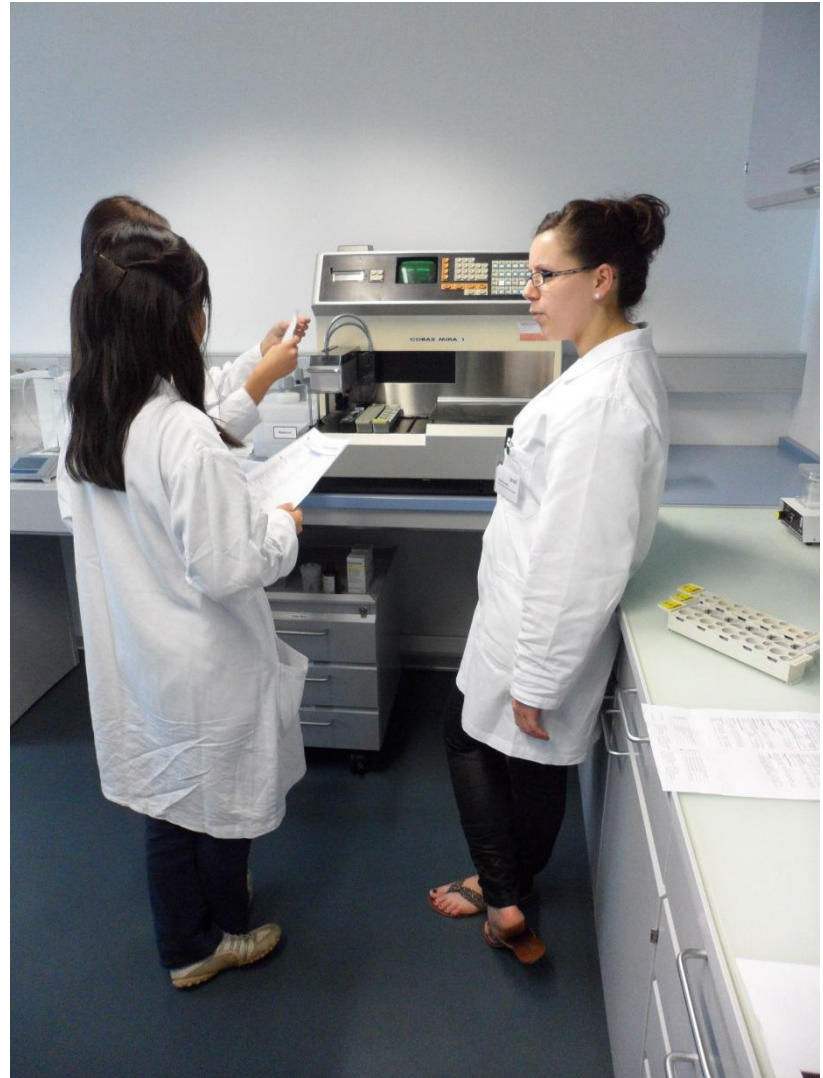
Suisse

Svizzera

Switzerland



Switzerland



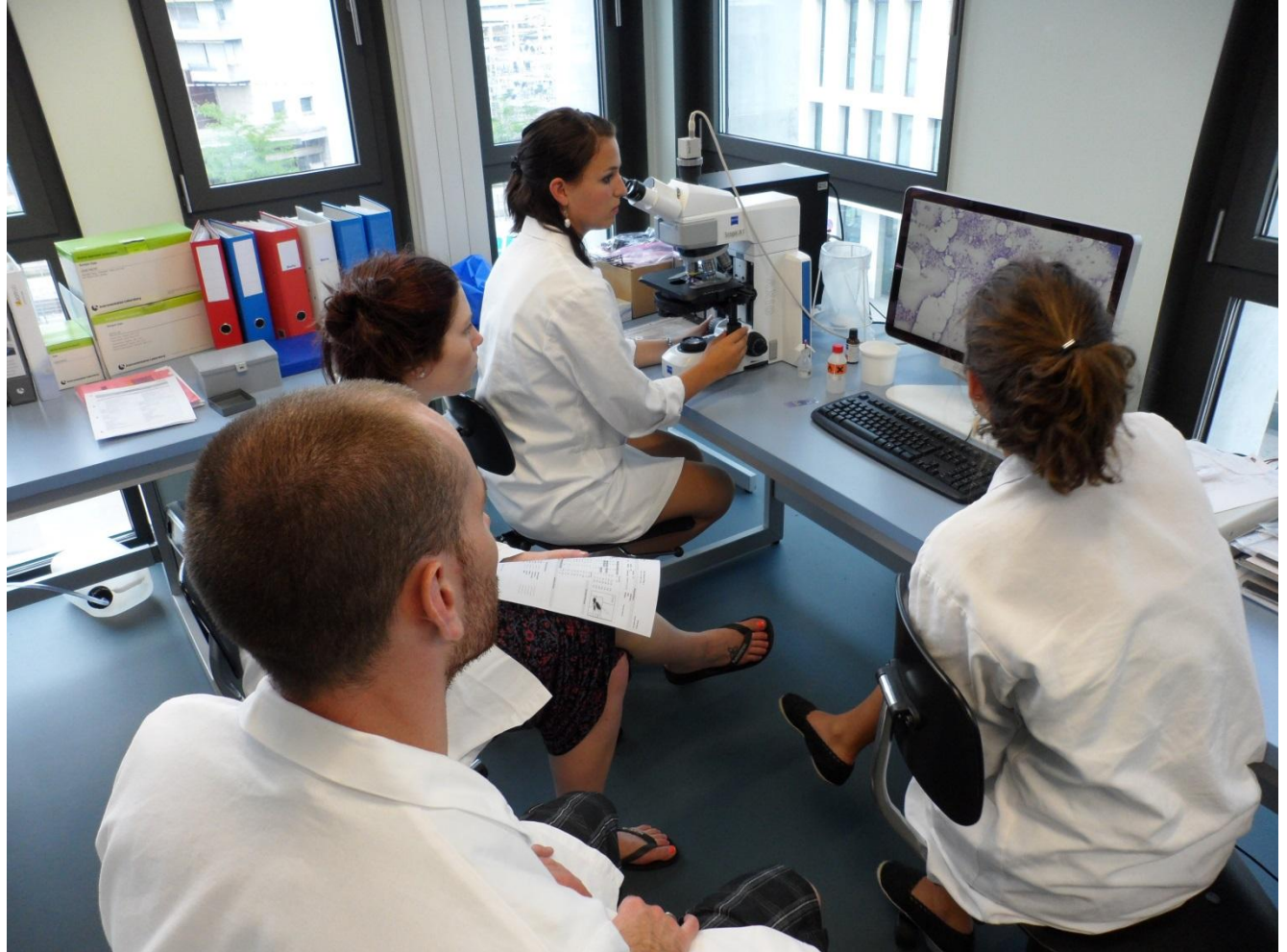
Switzerland



Switzerland



Switzerland



Switzerland



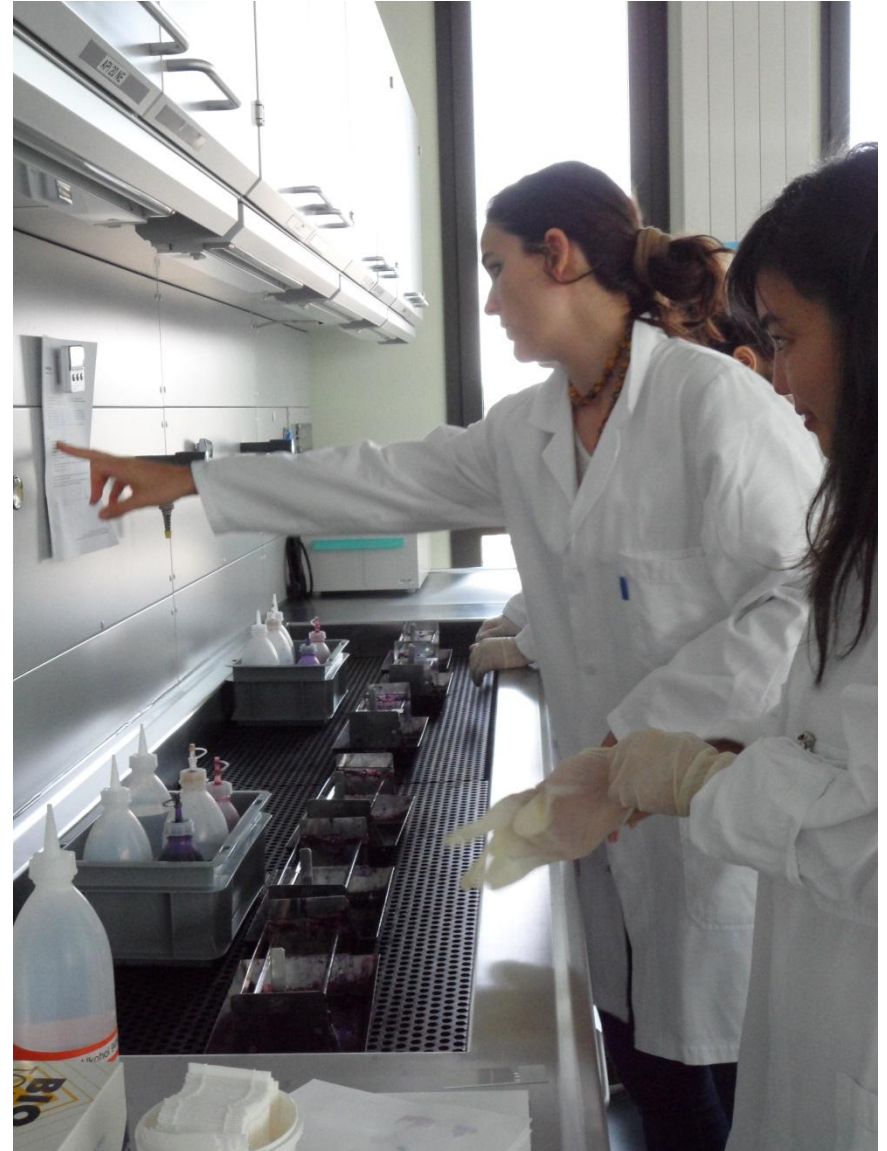
Switzerland



Switzerland



Switzerland



Switzerland



Switzerland



Thank you for your attention!!

A series of horizontal lines in teal and light blue colors, some solid and some dashed, extending across the bottom of the slide.



Luisa
from
Germany

Maria
from
Germany

Maarja
from
Estonia

Julia
from
Switzerland

Ingrid
from
Norway

Stina
from
Sweden

Lily
from
Sweden

Conor
from
Ireland

Madeleine
from
Austria

Barbara
Student Facilitator
Austria

Celine
from
Belgium

Andreas
from
Norway

Caroline
from
Sweden