

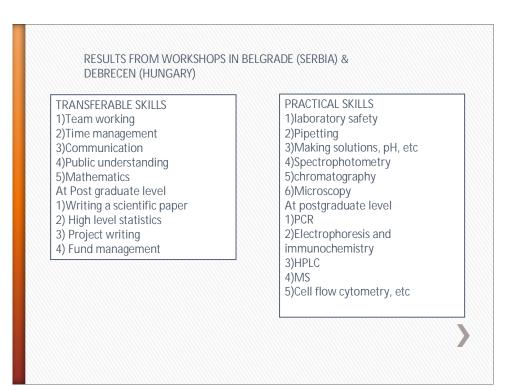
Careers and improving employability prospects

- Have an extensive period of workplace experience as part of the degree (for some students). This could take the form of a "sandwich year" where the students spend one academic year working in an industrial setting such as for a pharmaceutical company.
- Individual or small group coaching and mentoring.
- · Helping with CV writing.
- Helping to develop interview skills.
- Employ or utilize specific careers officers within the university to help students with applications.
- Organise careers fairs for the students and invite past graduates to talk about their careers following graduation.

	Subject-Specific Practical Skills
•	Making buffers, solutions and being able to understand concentrations.
•	Using a pH meter and adjust pH of buffers.
•	Knowing how to dilute solutions.
•	Training in good laboratory practice (especially lab safety)
•	Keeping a detailed lab book.
•	Designing an experiment to test hypothesis and consideration of control and replicates.
•	Being able to perform and analyse the results from SDS PAGE (including Western blots, etc)
•	Being able to perform and analyse the results from DNA agarose gels.
•	Concepts of protein purification, i.e. size exclusion and ion exchange chromatography.
•	UV-vis spectrometry and use of calibration curves.
•	Enzyme assays and following rates of reactions.
•	Microscopy & cell handling / imaging
•	Basic microbiology techniques also possible expose to other model organism systems
•	Basic molecular biology ie Undertaking PCR reactions and analyzing products.
.)	Searching scientific literature data bases.

Subject-Specific Knowledge Proteins DNA / RNA / Genetics

- Enzymes
- Metabolism
- Regulation
- Cell biology
- Molecular biology
- Bio-energetics
- Membranes
- Cell signalling
- Biotechnology
- Microbiology
- Molecular pharmacology



SUBJECT SPECIFIC KNOWLEDGE Cells structure Membranes & energy Cell signalling Gene expression / regulation Biomolecules Enzyme properties Metabolism Appropriate chemistry & physics

We are ALL saying the same things across Europe (East & West)

ALL of US have major Issues regarding interpretation and implementation of the Bologna system!!!. This could be due the subject.

