



11.07.2016 - 31.07.2016

Summer Schools



Vrije
Universiteit
Brussel

Biotech in Brussels: where Biology meets Technology

Are you a Bachelor student and do you already have some background in Biology, Biotechnology, Chemistry or Biomedical Sciences? Are you fascinated by the biochemical unity that underlies the world's biological diversity? Would you like to learn how biotechnological research leads to applications that solve societal challenges? Come to Brussels and find out where biology meets technology at the 'VUB Summer School – Biotech in Brussels'.

In this Summer School, you will be immersed in the multidisciplinary and international research environment of the Vrije Universiteit Brussel, which has a sound reputation in training and research in molecular biology and biotechnology. Inspiring lectures will be combined with hands-on workshops, guided by experienced researchers, in state-of-the-art laboratories of the research groups "Structural Biology Brussels", "Microbiology" and "Cellular and Molecular Immunology". Throughout the week you will be taken on visits of Brussels and its innovative biotech industry.

Programme

This Summer School will take you on a fascinating journey starting from the molecular level, with a focus on proteins, to the cellular level, with a focus on the engineering of microorganisms for use as cell factories and on disease. The common thread running through the integrative workshops and lectures are two classes of proteins: green fluorescent protein, which can be used as a research tool, and nanobodies, a unique class of camel antibodies with far-reaching applications in biotechnology and medicine. Every day of the Summer School is focused on a different theme: Molecules, Genes, Cells, Disease, Applications.



Programme

Monday 25 July 2016 - Molecules

- Morning:** Opening Session
Afternoon: Lecture "Proteins and structure-function relationship" & Workshop "Visualisation and analysis of protein structures"

Tuesday 26 July 2016 - Genes

- Morning:** Lecture "Genetic engineering and genome engineering methods"
Afternoon: Workshop "Growth of micro-organisms and generic transformation" & Visit "Tour of Brussels and of a brewery"

Wednesday 27 July 2016 - Cells

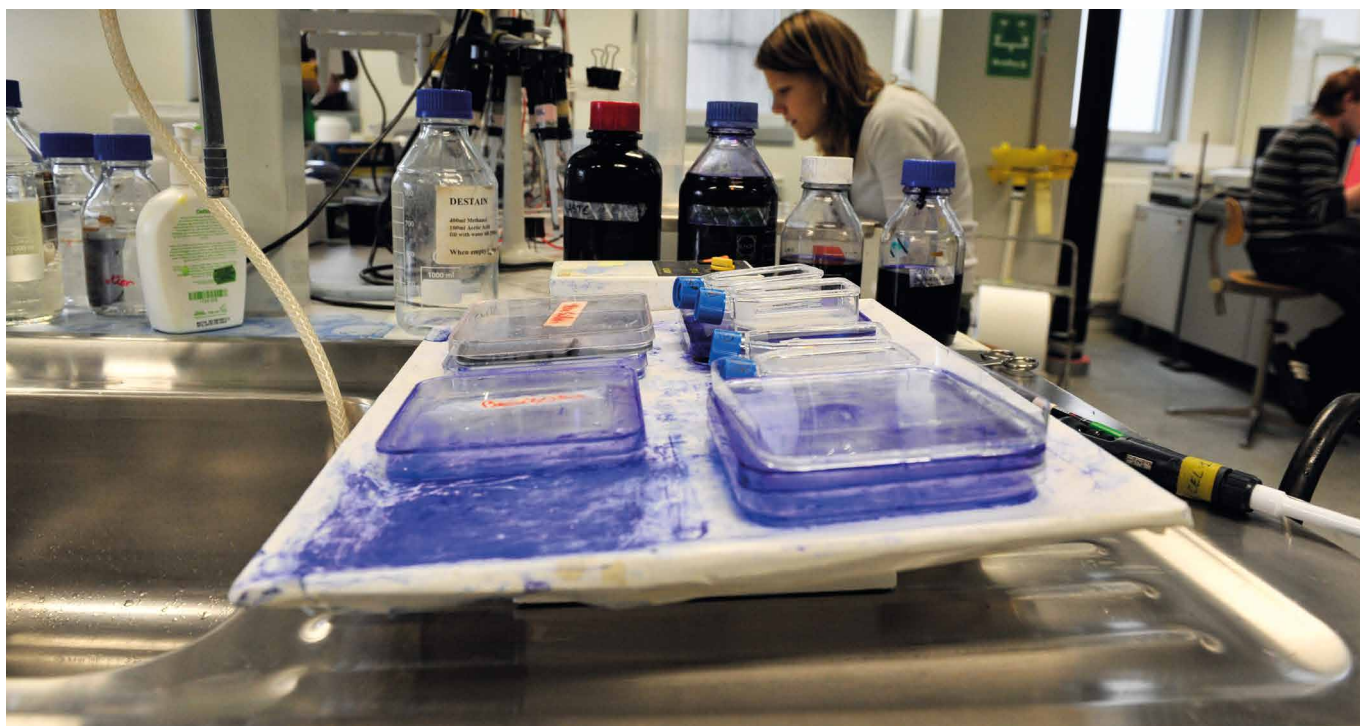
- Morning:** Lecture "Metabolic engineering and synthetic biology"
Afternoon: Workshop "Fluorescence microscopy" & Lecture "Nanobodies"

Thursday 28 July 2016 - Disease

- Morning:** Workshop "Nanobodies in parasitology research"
Afternoon: Visit of Health Campus Jette

Friday 28 July 2016 - Applications

- Morning:** Closing Session
Afternoon: Guided visits - biotech companies



Practical Information

Several packages are available:

- Package 1 (including courses, lesson materials, visits, public transport - 10 trips, lunches and 2 dinners): 450€
- Package 2 (including package 1 + Accommodation): 990€
- Package 3 (including package 2 + International trips (arrangement for transport to Paris or Amsterdam & accommodation onsite for the week-end): 1,200€

Please note that you are responsible for booking/paying your return flight from/to your home country, Insurance, transport between Brussels airport and the city of Brussels.



Interested?

Please fill in the online registration form on <http://www.vub.ac.be/en/events/2016/summer-school-biotech-in-brussels-where-biology-meets-technology> and send a motivation letter (1 page maximum) to Guillaume.Ravier@vub.ac.be

Application Deadline: 15 May 2016

The Body: from the Head to the Toe

Body and Health will have no secret for you thanks to our programme. As a matter of fact, Vrije Universiteit Brussel has a strong expertise on research about health and body.

- How the body is perceived in and by society: case of euthanasia
- Fatigue and influence of several factors and effects
- Beauty and Impact on our perception
- Cognitive Performance
- Being physically (in)active and consequences

Immerse yourself in different topics at the Vrije Universiteit Brussel, one of the top universities in Europe.

This Summer School will take place from 11th of July to 17th of July 2016. Courses are taught by experts in the fields.

Please note that depending on the number of participants and availabilities, the programme might be subject to minor changes.



Programme

Monday 11 July 2016 - Flemish Day

- Morning:** Visit of Brussels
Afternoon: Free Time

Tuesday 12 July 2016 - Fatigue

- Morning:** Opening Session
Afternoon: Lecture: "Mental Fatigue - does it exist?" by Jeroen Van Cutsem / Lecture "Exercise, Thermoregulation & Fatigue" by Bart Roelands / "How can we measure brain activity related to exercise and performance?" by Kevin de Pauw / Exercise: Initiation to Taichi & Qigong Exercise

Wednesday 13 July 2016 - Beauty & Ethics

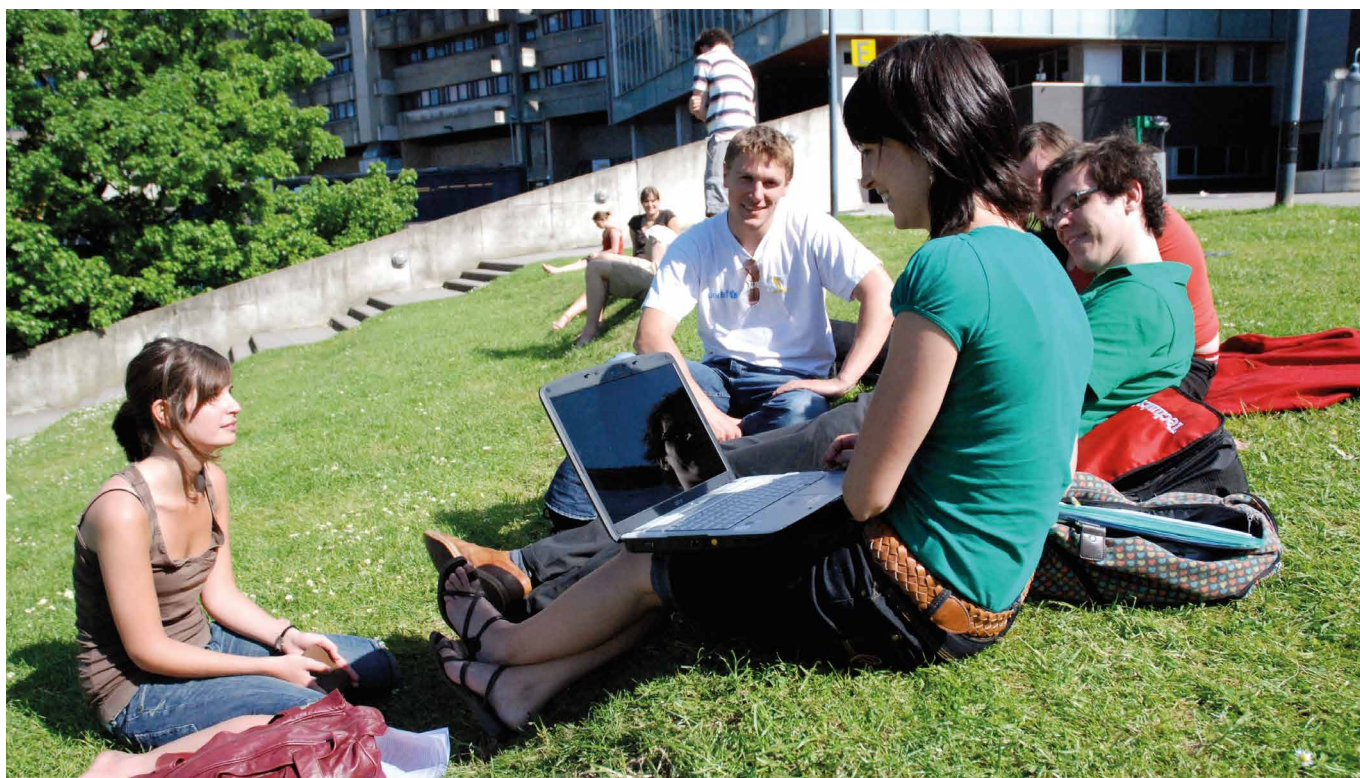
- Morning:** "Beauty and impact on the perception" by Dieter Vandebroek / "Ethics of the body, the case of Euthasia and legal discussion" by Auke Willems
Afternoon: Workshop organized by ROSA - theoretical background & connection between Beauty & Gender

Thursday 14 July 2016 - Cognitive Performance

- Morning:** "Is Exercise good for the Brain" by Prof. Romain Meeusen / "Exercise, diabetes and the brain" by Cajsa Tonoli
Afternoon: Workshop and Lecture by World Health Organization

Friday 15 July 2016 - Physically (in)active - Example of Bike

- Morning:** "Bike for Health" by Bas de Geus / "Active workstations, are they good for health?" by Tine Torbeyns / "Is it really safe to ride your bike?" by Jef Van Parijs
Afternoon: Workshop and Activities with ProVélo



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Cancellation Policy: if you inform us for your cancellation before 31st of May 2016, 50% of the fee paid will be reimbursed

Interested?

So do not wait and fill in the online registration form on

<http://www.vub.ac.be/en/events/2016/summer-school-the-body-from-the-head-to-the-toe> and send a motivation letter (1 page maximum) to Guillaume.Ravier@vub.ac.be

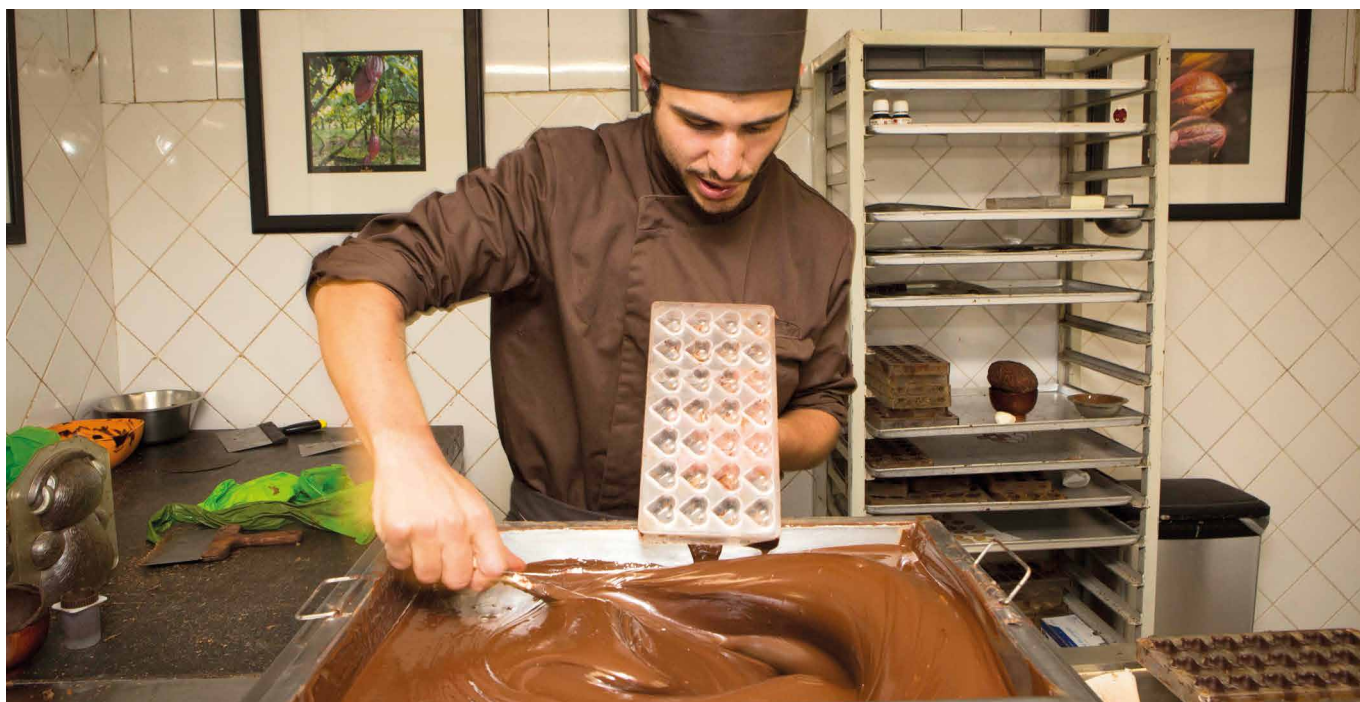
Application Deadline: 15 May 2016

A selection will be made based on your application form and your motivation letter.





Chocolate, the sweet Belgian art



Chocolate is one of Belgian specialties amongst many others and also the most popular! Discover this yummy programme through various and different aspects – you will be also surprised how significant the impact of chocolate is on our everyday life. Immerse yourself in different topics at the Vrije Universiteit Brussel, one of the top universities in Europe. This Summer School will take place from 11th of July to 17th of July 2016. Courses are taught by experts in the fields. Please note that depending on the number of participants and availabilities, the programme might be subject to minor changes.

Programme

Monday 11 July 2016 - Flemish Day

Morning: Visit of Brussels
Afternoon: Free Time

Tuesday 12 July 2016 - Effects on the body

Morning: Opening Session
Afternoon: Lecture: "Exercise Nutrition & the Brain" by Prof. Romain Meeusen & Lecture: "Cocoa Flavanols - Exercise Performance & Cognition" by Lieselot Decroix

Wednesday 13 July 2016 - Human & Labour Rights

Morning: Lectures given by International Labour Office
Afternoon: Workshop organized by Oxfam & Tasting Session

Thursday 14 July 2016 - A Social & Cultural Product

Morning: Lecture given by Christos Kritikos - Choco Story Brussels
Afternoon: Visit of the Chocolate Museum

Friday 15 July 2016 - Factory & Industry

Morning: Workshop given by BELVAS Factory, the first ecological factory in the Northern Europe by Barbara Gossin
Afternoon: Visit & Tasting at BELVAS Factory



Practical Information

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- Package 3 (including package 2 + International trips (arrangement for transport to Paris or Amsterdam & accommodation onsite for the week-end): 1,200€

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Interested?

Yummy isn't it? So do not wait and fill in the online registration form below on <http://www.vub.ac.be/en/events/2016/summer-school-chocolate-the-sweet-belgian-art> and send a motivation letter (1 page maximum) to Guillaume.Ravier@vub.ac.be

Application Deadline: 15 May 2016

A selection will be made based on your application form and your motivation letter.

Clash! Brussels between the IN

and the OUT situation in Belgium and Europe

Even if this is a small territory, Belgium is rich in terms of culture, community, diversity and linguistics. Also, considered as a Capital of Europe, Brussels has a particular position where all these differences can lead to conflicts at the Belgian and European levels.

Immerse yourself in different topics at the Vrije Universiteit Brussel, one of the top universities in Europe.

This Summer School will take place from 18th of July to 22nd of July 2016. Courses are taught by experts in the fields.

Please note that depending on the number of participants, the programme will be adjusted.



Programme

Monday 18 July 2016 - Union or Division?

Morning: Opening Session & Lecture "Belgium, falling apart together" by prof. Kris Deschouwer

Afternoon: Visit of the Parliamentarium and the European Parliament

Tuesday 19 July 2016 - (Mis)communication

Morning: Lecture: "(Mis)communication between Europe and its citizens?" by Ferran Davesa

Afternoon: Visit of the International Press Association & Spokesperson's Service at the European Commission

Wednesday 20 July 2016 - Europe: open or closed borders?

Morning: "Europe; open or closed borders at sea? Water between States - Europe and the World" by Prof. Eric Franckx

Afternoon: Visit of the UN Refugee Agency Brussels

Thursday 21 July 2016 - Belgian National Day

Morning: Visit of the Atomium

Afternoon: Visit of the Chocolate Factory & National Parade

Friday 22 July 2016 - Inequalities & Diversity

Morning: "Unequal wealth, unequal health? Trends in health inequalities in Europe" by Hadewijch Vendenheede

Afternoon: "Multilingual Education in Europe and Belgium, curious case of Bilingual Brussels" by Jill Surmont



Practical Information

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Interested?

Ready for Clash? So do not wait and fill in the online registration form on

<http://www.vub.ac.be/en/events/2016/summer-school-clash-brussels-between-the-in-and-the-out-situation-in-belgium-and-europe> and send a motivation letter (1 page maximum) to Guillaume.Ravier@vub.ac.be

Application Deadline: 15 May 2016

Contact

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