

Study Trip Geneva and Zurich

Beta honours programme 2013/2014



Content

Preface

- preface by Sophia Scheper
- preface by Filipe Freire

The Committee

- Who are we?

General Information

- General information
- Important details
- Packing list
- Room assignment
- Groups

Programme study trip

- Programme
- Hot spots in Geneva
- Hot spots in Zürich

Dean's essay

- Requirements

Preface Sophia Scheper

Dear traveller,

Welcome! We are glad that you'll be joining us on the yearly organised study excursion of the honours programme. This year's excursion will lead us to Switzerland.

Traveling for me is always about seeing lots of new things, adventure and a whole lot of new experiences to bring back home. It's the memories that will stay and thinking back always puts a smile on my face: we had a hell of a good time. As a committee we will do anything we can to make this trip fun and exciting for you. Of course, you will also see and experience lots of new things. I'm already very excited and I am looking forward to having this trip with you 😊!

As said, this year's excursion will be to Switzerland, and to be more specific: to Geneva and Zurich. Not only will we explore these cities and have a good time, we will also visit some scientific institutions. For instance, we will visit CERN and the ETH Zurich to experience research life. We will of course visit the particle accelerator, but most importantly, these visits will also provide us with the opportunity to learn more about these research institutes and their activities.

Have a nice trip,

Sophia Scheper
Chair honours excursion committee 2013/2014

Preface Filipe Freire

Welcome to the 2013 Science Honours Academy International Academic trip!

This year the third annual academic trip of the honours programme of our Science Faculty goes to Switzerland. No skying or climb is in our programme, but do not be disappointed, we will be visiting the largest machine in the world, the Atlas detector at the Large Hadron Collider (LHC) at CERN and ETH Zürich, a leading world technology university where some key technological advancements for the last 20 to 30 years at the atomic and molecular scales originated from.

The tradition of an academic trip started in 2011 with a visit to Heidelberg, where several research centres associated with their historic university were visited as well as the European Molecular Biology Laboratory (EMBL). There was also time to visit a couple of museums, the prominent Schloss Heidelberg and to walk along the suitably named and inspiring Philosophenweg overlooking the Altstadt. This was followed last year by a visit to Cambridge where various laboratories were in our program, most prominently the Cavendish Laboratory for Experimental Physics boasting a collection of Nobel Prizes winners in their history and on which grounds the original work of Watson and Crick on the DNA structure was undertaken. There was also time to visit the exquisite King's College Chapel and a couple of museums and to drink a pint of DNA beer at "The Eagle". For more on the past trip events read the

reports in our program webpage,
<http://www.projects.science.uu.nl/betahonoursuu>, by clicking
the Events tag on the top navigation bar.

The 'raison d'être' of this tradition is threefold. Firstly, it provides a community bonding occasion for the newcomers to the Science Honours Academy across the departmental boundaries and equally an occasion to get to know some of the senior colleagues also joining the trip. There will be time for organized joint social activities as well as free time for you to get to know your colleagues. Secondly, by the selection of research institutes and museums included in the visit program we aim to provide you all an eye-opening experience to the challenges of a research carrier in science and the increasing role that inter- and multi-disciplinary approaches are playing in leading edge research areas at present. Finally, to expose you to the stimulating multi-cultural environment characteristic of most international scientific research centres. This environment is a great stimulus for the thinking 'out of the box' perspective essential for new cutting edge innovations.

In this information guide you will find all details about the complete programme of our visit to Switzerland, requirements about what you are expected to bring, which expenses are covered by the honours programme and by yourself, hot-spots in Geneva and Zurich and information about the Dean's essay.

The visit to Switzerland was possible by enthusiastic and committed work of the organizing committee made up by Trusanne Bos (chem), Robbert van Dinther (chem), Maxim Faber (phys), Dion Hartmann (phys), Dorien van Montfort (bio) and Sophia Scheper (bio and committee chair). You will get to know all of them during the trip. The contribution by Charlotte van Gelder (phar) who was in the organising committee during the first stages when the visit was being planned was essential to make this trip possible.

The organizing committee and myself are looking forward to welcome you on the morning of Tuesday November 19th to share together this journey of discovery into the world of the fundamental interactions in nature and leading technological advancements into new energies, communication, and ways to help us to live a better and healthier life. All this is coming to you on a nice package with a Swiss postcard photo on the top.

October 24th 2013

Filipe Freire

Coordinator

Science Honours Academy

The Committee – who are we?

From left to right in the picture, this year's committee members are Sophia Scheper, Trusanne Bos, Dion Hartmann, Dorien van Montfort, Maxim Faber and Robbert van Dinther. Together we are an enthusiastic group of people who will do everything we can to make this trip a successful journey for you. We would like to thank Charlotte van Gelder for her contribution, which was essential to the realization of this excursion.



For questions or remarks during the trip you can always come to us: we will be glad to help.

General information

Medical issues

Within the group, we have four people who have a first aid certificate:

- Dion Hartmann (committee member)
- Maarten Geurts (participant)
- Marith van Schrojenstein Lantman (participant)
- Anne van Vlimmeren (participant)

If you have any medical issues, ask one of these people. We'll make sure we have a first aid kit, so you won't have to wait until we are back at the youth hostel.

Insurance

A group insurance has not been arranged through the faculty. Therefore, it is your own responsibility to make sure you are insured in Switzerland.

Tipping etiquette

If you've had a nice dinner somewhere in town, you might want to know if you have to tip your waitress. In Switzerland it is not really customary to give tips. Service is included.

Conversation

In Switzerland loud talking in public areas (in public transport, for instance) is not really appreciated. In fact, it is considered quite rude. Modesty and respect for privacy is appreciated, showing off will more likely raise eyebrows and create suspicion. In Geneva the common language is French, in Zurich it is German.

Money

In Switzerland the Swiss Franc is being used. Make sure you have enough cash with you! The current exchange rate is:

1 euro = 1,23 CHF

or equivalently:

1 CHF = 0,81 euro

Climate

In November it is usually quite cold, temperatures may not be reaching 15 °C. So please be sure to bring warm clothing!

Socket

In Switzerland the sockets are different from ours (see figure 1). A universal plug can be useful.

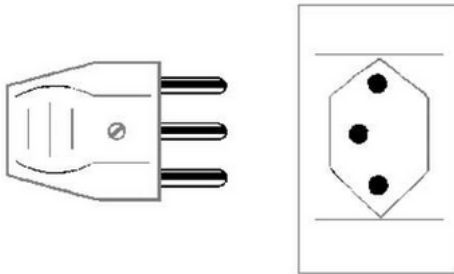


Figure 1: Swiss plug and socket.

Counting the participants

During the trip, we will have to check a few times if the group is complete. We will do so through the following system: the group has been divided into six smaller groups, all of which containing one committee member. You will be counted by the committee member in your group. Make sure to be on time and approach the committee member when we need to count, so we can spend as little time as necessary on this.

Important Details

Hostel

Geneva Youth Hostel
30, Rue Rothschild
1202 Genève
Tel: +41 22 732 62 60

Emergency dials

Police	117
Fire department	118
Ambulance	144

The European 112 also works.

Packing list

Make sure not to forget the following:

- Lunch for the first day
- Passport or ID
- Insurance card
- Bankcard or credit card
- Cash money
- Students card
- Books/magazines
- Games
- Mobile phone
- Mp3 player
- Camera
- Chargers
- Backpack
- Rain clothing or umbrella
- Normal clothing
- Pyjamas

- Toothbrush, shampoo etc.
- Medication
- Towels
- Pen and paper
- Earplugs
- Maps (including the map with restaurants)
- Swiss plug
- Addresses to send postcards to
- Programme booklet

Room division

- Bas van Ginkel
- Dion Hartmann, Maxim Faber, Robbert van Dinther
- Sophia Scheper, Dorien van Montfort, Trusanne Bos
- Abdel Lakbir, Ömer Baser, Thom Fleur, Bob Ammerlaan, Maarten Scholl
- Ali Talib, Yassir Boubkary, Andreas van den Boogaard, Cor van den Berg, Erik Maris, Maarten Bransen
- Ard van Veelen, Rik van der Veen, Joris den Ouden, Gerben Aalvanger, Daniel den Brave, Elian Griffioen
- Martijn Visser, Paul van Haaren, Pieter-Bart Peters, Sam Hariri, Rens de Haas, Christian Nesenberend
- Maarten Geurts, Masoud Sahebzada, Sam van der Wal, Scott Wishaw, Sander Vonk, Koen Wortelboer
- Feiko Miedema, Hicham El Madkouri, Yuri Damen, Jordi Vermeulen, Lucas Beroske, Tom Schermer
- Anouk Margot Braam, Sonja Steenhuis, Laura de Kort, Kari-Anne van der Zon, Nienke Visser

- Jodie Man, Charlotte Wijne, Anne Metje van Genderen, Eeke Haanstra
- Swinda Falkena, Sophie Huiberts, Anne van Vlimmeren, Lianne Hulshof
- Hannah Löwenhardt, Mathilde Vissers, Denise Swanborn, Jolet Mimpfen, Mariëlle Scholma
- Laura de Paus, Willeke van der Varst, Sandy To, Caroline Ghazarian, Chaymae Tahri
- Marith van Schrojenstein Lantman, Suus Bongers, Lisa Huwae, Ellen Belonje, Minne Prüst, Sanne van Leeuwen

Groups

Group 1: Maxim Faber (0616153054)

- Abdel Lakbir
- Jolet Mimpfen
- Andreas van den Boogaard
- Sanne van Leeuwen
- Anne van Vlimmeren (BHV)
- Anouk Margot Braam
- Sam van der Wal
- Bas van Ginkel
- Bob Ammerlaan
- Caroline Ghazarian
- Laura de Kort

Group 2: Sophia Scheper (0622675927)

- Chaymae Tahri
- Christian Nesenberend
- Cor van den Berg
- Daniël den Brave
- Denise Swanborn
- Charlotte Wijne
- Swinda Falkena
- Eeke Haanstra
- Maarten Scholl
- Ellen Belonje
- Maarten Bransen

Group 3: Trusanne Bos (0642533507)

- Gerben Aalvanger
- Hannah Löwenhardt
- Yassir Boubkary
- Martijn Visser
- Jodie Man
- Sonja Steenhuis
- Rens de Haas
- Jordi Vermeulen
- Kari-Anne van der Zon
- Koen Wortelboer

Group 4: Dion Hartmann (0614595357)

- Laura de Paus
- Lianne Hulshof
- Lisa Huwae
- Lucas Beroske
- Joris den Ouden
- Maarten Geurts (EHBO)
- Ali Talib
- Marielle Scholma
- Mathilde Vissers
- Yuri Damen
- Elian Griffioen

Group 5: Dorien van Montfort (0615120173)

- Nienke Visser
- Ömer Baser

- Paul van Haaren
- Pieter-Bart Peters
- Marith v S. Lantman (EHBO)
- Rik van der Veen
- Sahebzada
- Sam Hariri
- Anne Metje van Genderen
- Sander Vonk
- Sandy To

Group 6: Robbert van Dinther (0639689482)

- Scott Wishaw
- Feiko Miedema
- Erik Maris
- Sophie Huiberts
- Suus Bongers
- Hicham El Madkouri
- Thom Fleur
- Tom Schermer
- Minne Prüst
- Willeke van der Varst
- Ard van Veelen

Programme excursion

Tuesday 19 November

07:30 Gathering on Utrecht jaarbeurs
08:00 Departure from Utrecht
20:00 Arrival in Geneve
20:30 Bonding game
21:30 Sleep

Wednesday 20 November

8:15 Breakfast
9:00 Bus departs
10:00 Lectures Centre Universitaire Bioinformatique
12:00 Group 1 – 4: departure to CERN
 Group 5 – 6: free afternoon
17:00 Bus drives back to the hostel via the meetingpoint
17:30 Dinner
19:30 Departure evening activity
20:00 Evening Activity

Thursday 21 November

8:00 Breakfast
8:45 Groups 5-6: departure to CERN
 Groups 1-4: Free morning in the city
13:30 Departure to the Neuroscience centre
14:00 Lectures at the Neuroscience centre
17:00 Drive back to the hostel
17:30 Dinner
18:30 Free evening in town

Friday 22 November

7:00 Breakfast

8:00 Departure to Zurich

11:30 Arrival in Zurich, Lectures at the ETH

13:30 Lunch Break

18:00 Explore Zurich and Dinner

22:00 Drive Back to Utrecht

Discover Geneva!

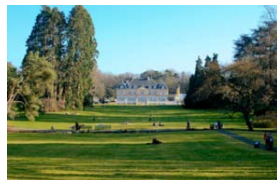
1. Lake Geneva and Jet d'Eau, Geneva's landmark. The lakeshore's star attraction is the water jet, as it shoots 140 metres into the sky. It is best seen from the Bains des Pâquis, this incredible 'beach' in the city centre.



2. The Old Town. The Geneva Old Town (La Vieille Ville) is a picturesque portion of Geneva Switzerland characterized by its cobblestone streets, old buildings and sidewalk cafes and restaurants. Perched on a hillside south of the Rhone River, la Vieille Ville can be seen from around Geneva. The heart of the old town is the Geneva Cathedral (Cathedrale St-Pierre).



3. The Reformation Wall. A stone's throw away from the elegant Place de Neuve in an exceptionally beautiful park, Europe's most important protestant reformers are honoured with four giant statues, reminding us of Geneva's important role in the history of religion.



4. The magnificent parks of Geneva. More than 50 parks and gardens are located in Geneva. Most of the parks are along the lakeshore. Parc des Bastions and Parc des Eaux-Vives are the most beautiful ones. The Geneva Flower Clock is located in the Jardin Anglais.

5. Palais des Nations. The European headquarters of the United Nations have become the centre of world diplomacy. Under the dome of the 'Human Rights and Alliance for Civilisations' Room', many secrets are shared. And on the Place des Nations, standing in front of the monumental 'Broken Chair', you are reminded of Geneva's contribution to peace and freedom.



6. Jardin Botanique. These gardens feature exotic plants from around the world. The Jardin Botanique are located on the north side of Lake Geneva, near Geneva's Science Museum.



Discover Zurich!

Augustinergasse

Augustinergasse is one of Zürich's most beautiful old, narrow streets with its many colorfully painted oriel windows. Among other things, the oriels were a way to keep an eye on who came to the door and so they were never situated directly over the front door, but rather built just to the side.



Augustinergasse connects bustling Bahnhofstrasse with the St. Peterhofstatt "oasis" in the picturesque Old Town.

Großmünster

According to legend, Charlemagne discovered the graves of the city's martyrs Felix and Regula and had a church built as a choristers' cloister on the spot. Construction work on the present building began around 1100.

In the first half of the 16th century, Grossmünster Church was the starting point of the Swiss-German Reformation led by Huldrych Zwingli and Heinrich Bullinger. The theological college then annexed to the cloister



became the germinal cell of what is now the University of Zürich.

The Dean's Essay

Dean's Essay Guidelines:

The essay should consist at most about one A4 page with font 12.

After this visit to Geneva and Zurich there are several points that you are expected to cover in your dean's essay together with your assigned pair:

1- Reflect on your thoughts, together with your assigned pair, on interdisciplinary. Have your views on interdisciplinary changed after the trip to Switzerland? If yes, which events, factors or research topic (select at most two) did you find most inspiring or eye opening? If not, what did not go according to your expectations or whatever other motive contributed to such non stimulating perception of the visit?

2- Brainstorm with your assigned pair on a particular interdisciplinary project or research question that you were inspired to think about after this visit and outline in writing the ideas on a project that resulted from this discussion on the essay

3- From what you learned from this visit what aspect of interdisciplinary would you think would be worthwhile to be developed and implemented on the Interdisciplinary module of the Science Honours Academy and suggest activities that can be integrate into the module.