

## PRACTICAL INFORMATION & CONTACT

### MAXIMUM 20 PLACES

Selection of graduates will be based on the application package  
All graduates must be registered at the University of Geneva  
(proof of payment of registration fees - 65 CHF - is required)

### APPLICATION PACKAGE MUST CONTAIN

(one single pdf file)

- motivation letter, CV (2 pages maximum)
- copies of diplomas, University mark transcripts

ONLINE REGISTRATION ONLY [cils.unige.ch](http://cils.unige.ch)  
REGISTRATION DEADLINE **November 30, 2016**  
CONTACT [CILS@unige.ch](mailto:CILS@unige.ch)

## CILS BOARD MEMBERS



## CILS PARTNERS



UNIVERSITY

# BRIDGE THE GAP!

**CILS**  
CERTIFICATE  
IN INDUSTRIAL  
LIFE SCIENCES

INDUSTRY

IMPROVING  
THE EMPLOYABILITY  
OF GRADUATES WITH  
A UNIVERSITY DEGREE  
IN LIFE SCIENCES



UNIVERSITÉ  
DE GENÈVE

FACULTÉ DES SCIENCES

## FOR

**Graduates** holding a master or a PhD degree in biochemistry, biology, bioinformatics, chemistry, pharmaceutical sciences or equivalent

## PROGRAM STRUCTURE

- Courses: February – July 2017
- Courses given at the Faculty of Science and on site by industrial partners
- Teaching: 240 hours
- Industrial site visits
- Portfolio: 120 hours
- Number of ECTS: 30
- Placement opportunities for 6 months training in industry (optional)

## TEACHING METHODS

- Course teachers are specialists in their various disciplines
- Pedagogy based on **case studies**, **on site visits** and on **active interactions** with experts
- Teaching **in English**
- Students will regularly prepare oral presentations and written reports
- Part of the evaluation will be based on a **portfolio** produced by the student

Academics from the Faculty of Science, Life Sciences employers and the Career Center of the University of Geneva (Uni-Emploi) have put together the **Certificate in Industrial Life Sciences (CILS)**. This Certificate aims at **improving the employability of Graduates** who hold a university degree in Life Sciences and the program has been designed to bridge the gap between Academic and Industrial Life Sciences (ILS)

## OBJECTIVES

- Acquire the **basic vocabulary** used in ILS and learn about the **different jobs** linked to ILS
- Understand the **different phases of product development** and acquire a basic knowledge of the activities linked to these phases
- Learn about specific tools, e.g. in the field of **Quality** as well as **Technical Lab Skills** (such as health and safety), **Project Management** (such as risk analysis)
- Acquire targeted knowledge and know-how related to a specific job “category” through a **6-month traineeship** in industry performed after the courses

## TRAINEESHIP

- A 6-month traineeship is strongly encouraged to complement the theoretical / practical courses and to validate the best practices used in the industry
- A series of companies (CILS board, CILS partners) have agreed to take some students each year
- Traineeships can be performed in companies located in Switzerland or abroad providing the local administrative conditions are fulfilled
- The CILS program does not guarantee access to a traineeship

# CILS

**CERTIFICATE  
IN INDUSTRIAL  
LIFE SCIENCES**

## CILS PROGRAM

- Introduction to the pharmaceutical industry
- Drug discovery and development: an industrial perspective
- Drug development and clinical trials
- Biostatistics within drug development
- Biotechnology development
- Creating a successful business in Life Sciences
- Personal Genomics and Predictive Genetics
- Quality by design (QBD) to ensure product quality
- Pharmaceutical project and portfolio management
- Patenting procedures and intellectual property
- Pre-clinical in vivo models (theory)
- Science, technologies and society impact
- Portfolio / project report

## CILS ADVISORY BOARD

Composed of senior scientists and managers from bio-medical and pharmaceutical companies active in the Lemmanic area, of professors from the Faculty of Science of the University of Geneva active in the relevant disciplines (Biochemistry, Biology, Chemistry, Pharmaceutical Sciences), and of members of the Career center and the Pedagogy unit of the University of Geneva