

TRAINING & SKILLS

Last updated 06/10/2020

Any training you do outside the core training of your program is your own choice. You are free to choose whatever you like, provided your supervisor agrees. Please keep a record of all activities so you can earn credits. As a general guideline, count 0.5 credits per day of workshop/course.

You may join the **core training from any of the 6 programs.**

BIOMED/GESAN: core training consists of modules (topics) and 'chapitres choisis (journal clubs). Contact Dylan Walser or Manel Essaidi to sign up.

BIOMO: core training consists of a weekly 3h course (Mondays) which contains scientific content and transferable skills (ethics, communication, teaching, statistics...). Contact the lecturer directly if you want to join a specific module.

PHARM, ECOVO: core training is part of CUSO, join as an external member.

PHYVI: core training consists of a weekly course. Contact the lecturer directly if you want to join.

You are also strongly encouraged to join a [CUSO doctoral program](#) (note that some are mandatory for specific programs of the PSLs)

WHERE CAN I FIND TRAINING FOR...?

bioinformatics	9
EndNote.....	4
English (Academic writing)	12
ethics.....	8
French.....	12
information literacy skills	4
life after the thesis	7
Management	7
patenting.....	13
PHILOSOPHY OF SCIENCE	10
plagiarism	4
programming	9
Scientific and Academic English	7
statistics	9
STATISTICS.....	10
technology transfer	13
transferable and soft skills	7
Writing and communication	4

Please take me straight to the web!

<i>Bibliography</i>	https://www.unige.ch/biblio/en/training/ https://infotrack.unige.ch/
<i>Bioinformatics</i>	https://www.sib.swiss/scientific-community/training/upcoming-training-courses
<i>Database management</i>	https://www.unige.ch/biblio/en/training/ https://infotrack.unige.ch/ https://www.sib.swiss/scientific-community/training/upcoming-training-courses
<i>Electronic lab book systems</i>	https://www.unige.ch/biblio/en/training/ https://infotrack.unige.ch/
<i>Endnote</i>	https://www.unige.ch/biblio/en/training/ https://infotrack.unige.ch/
<i>English</i>	http://mdl.unige.ch/accueil/ http://www.upcge.ch/en/
<i>Research Ethics</i>	https://ori.hhs.gov/TheLab/TheLab.shtml (free for EMBO members & lab) https://courses.epigeum.com/

<i>French</i>	http://mdl.unige.ch/accueil/ http://www.upcge.ch/en/
<i>Omics</i>	https://biologie.cuso.ch/staromics/welcome/
<i>Philosophy of Sciences</i>	http://wadme.unige.ch:3149/pls/opprg/w_rech_cours.debut
<i>Presentation skills</i>	https://competences.cuso.ch/en/modules/
<i>Programming</i>	https://www.sib.swiss/scientific-community/training/upcoming-training-courses
<i>R</i>	https://www.sib.swiss/scientific-community/training/upcoming-training-courses
<i>Referencing software</i>	https://www.unige.ch/biblio/en/training/ https://infotrack.unige.ch/
<i>Science communication</i>	https://competences.cuso.ch/en/modules/ https://www.unige.ch/dife/enseigner-apprendre/soutien-doctorat/
<i>Statistics</i>	https://competences.cuso.ch/en/modules/ http://wadme.unige.ch:3149/pls/opprg/w_rech_cours.debut https://www.sib.swiss/scientific-community/training/upcoming-training-courses
<i>Teaching skills</i>	https://competences.cuso.ch/en/modules/
<i>Technology transfer</i>	https://www.unige.ch/unitec/fr/actualite/conference/
<i>Transferable skills</i>	https://competences.cuso.ch/en/modules/ https://www.unige.ch/dife/enseigner-apprendre/soutien-doctorat/
<i>Writing</i>	https://competences.cuso.ch/en/modules/ http://mdl.unige.ch/accueil/ https://www.unige.ch/dife/enseigner-apprendre/soutien-doctorat/



<https://www.unige.ch/biblio/en/training/>

The Library offers training sessions to help you mastering **information literacy skills** according to your profile. You might learn for instance to:

- search with efficacy in scientific databases specific to your discipline
- manage your bibliographic references with a suitable software (e.g. EndNote)
- avoid plagiarism in your academic works
- follow the new trends in scientific publishing

You can search for training by discipline, by level, and by theme.

Strongly recommended for PhD students:

PhD Library Camp: <https://www.unige.ch/biblio/fr/formation/phd-library-camp>



<https://infotrack.unige.ch/>

InfoTrack is the UNIGE Library's online platform for online training in information literacy. It addresses the following themes:

- How to find information?
- Document/literature research plan
- Sort out the information
- Plagiarism
- Writing and communication

Through a series of 24 short video episodes, this formation relates various students' stories about information competencies needed to write academic papers and reports. (available only in French)



CONFÉRENCE UNIVERSITAIRE DE SUISSE OCCIDENTALE



<https://www.cuso.ch/programmes-doctoraux/>

CUSO offers **subject-specific courses** grouped into various **CUSO doctoral programs**. Depending on which PhD program at UNIGE you are affiliated with, you may be asked to join a CUSO doctoral program in parallel. If you are not asked to do so, you can still elect to join a program and benefit from a range of **free** scientific courses which give you **credits**.

Below are some recommended CUSO programs for PhD students in our PhD School.

CUSO Program	Target audience	Brief description
STAROMICS https://biologie.cuso.ch/staromics/welcome/ Contact person at UNIGE: Emi Nagoshi (BIOMO) Florian Steiner (BIOMO)	Anyone doing 'omics'	The StarOmics Doctoral Program is covering quantitative aspects of modern biology and integrating novel biological strategies and reasoning (Analysis strategies for Genomics, Transcriptomics, Proteomics, Metabolomics, Connectomics and all other large scale data generating technologies)
Doctoral Program in Ecology and Evolution (DPEE) https://biologie.cuso.ch/ecologie-et-evolution/welcome/ Contact person at UNIGE: Mathias Currat (ECOVO)	Mandatory for PhD students in the ECOVO program Optional: anyone interested in Ecology and Evolution	The Doctoral Program in Ecology and Evolution (DPEE) aims to facilitate the acquisition of knowledge and scientific methods through courses,

		seminars and workshops to which foreign experts will be invited.
<p>MOLECULAR PLANT SCIENCES (MPS) https://biologie.cuso.ch/molecular-plant-sciences/welcome-to-mps/</p> <p>Contact person at UNIGE: ?</p>	<p>Anyone interested in plant sciences (particularly BIOMO PhD students in the BIVEG department)</p>	<p>MPS aims to help PhD students broaden their scientific knowledge, acquire novel techniques through courses, workshops and seminars dedicated to plant sciences, as well as establish a social and scientific network of expertise.</p>
<p>MICROBIOLOGY https://biologie.cuso.ch/microbiologie/welcome/</p> <p>Contact person at UNIGE: ?</p>	<p>Anyone interested in microbiology</p>	<p>scientific and technical training in fundamental and applied microbial sciences</p>
<p>PHARMACEUTICAL SCIENCES https://pharma.cuso.ch/accueil/</p> <p>Contact person at UNIGE: Béatrice Kaufmann Florence von Ow Yogi Kalia</p>	<p>Mandatory for PhD students in the PHARM program</p> <p>Optional: anyone interested in pharmaceutical sciences</p>	<p>Le programme doctoral est constitué de modules d'enseignement portant sur différents aspects des sciences pharmaceutiques. Les sujets proposés sont notamment les statistiques avec applications biomédicales, la propriété intellectuelle, la</p>

		chimie thérapeutique, la pharmacie galénique et la biopharmacie, la chimie analytique, la phytochimie et la pharmacognosie, la biotechnologie, la pharmacie clinique, la pharmacie hospitalière et la pharmacie sociale.
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<https://competences.cuso.ch/en/modules/>

Besides subject-specific courses in the various doctoral programs (e.g. Pharmaceutical Sciences, Ecology and Evolution) CUSO offers **generic skills workshops** to help you develop transferable and soft skills.

The generic skills workshops are offered **in six fields**:

1. **Communication - COM** - These workshops will help you to develop oral and written communication skills. Such skills are important for the dissemination of your research and sharing your knowledge.
2. **Organization, Management and Planning - OGP** - Learn how to conduct and lead a project, manage your time and skills, and how to plan realistically. These are essential skills not only for the successful completion of your thesis, but also for your future professional career.
3. **Professional Planning - PRO** - These workshops aim to prepare you for life after the thesis. They are concerned primarily with your realisation of the range of skills that you have acquired as a doctoral student and how you can make the most of these in a CV, a portfolio or a letter of motivation.
4. **Scientific and Academic English - ANG** - These workshops focus on specific aspects of English and do not teach basic skills. A good command of English is therefore required (levels B1 or B2). The workshops cover skills such as scientific writing in English or how to prepare a scientific presentation.
5. **Scientific Information- ISC** - These workshops explore the digital resources available to search, process and classify information in the rapidly and constantly evolving environment of research technologies.



6. **Research and Society - REC** - These workshops reflect on issues of ethics, epistemology and the politics of research.

CUSO courses and workshops are open to all PhD students enrolled in one of the universities affiliated with CUSO (UNIGE is affiliated with CUSO). PhD students who are part of a CUSO doctoral program (this applies to ECOVO and PHARM) have priority. If you are an ECOVO or PHARM member, please register with the relevant CUSO doctoral program here:

<https://www.cuso.ch/programmes-doctoraux/>. All other students (BIOMO, BIOMED, PHYVI, GESAN) can register with CUSO without affiliation to a CUSO doctoral program by sending an email to competences@cuso.ch. Once you are a CUSO member, you will be notified when the registration for the generic skills workshops opens, at the beginning of each semester.

When you sign up, please specify which workshop you would like to take part in. You will be added to the waiting list, and if a spot frees up 3-4 weeks before the workshop, you will be contacted to confirm your registration.

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[competences.cuso.ch](https://www.competences.cuso.ch)

Twitter : @cuso_skills



<https://www.sib.swiss/scientific-community/training/upcoming-training-courses>

SIB courses are targeted to PhDs, postdocs, technicians and researchers, from the Swiss and international scientific community. SIB courses are mostly in a face-to-face format with an emphasis on practical learning, and several of them exploit SIB's free access [e-learning modules](#) on basic bioinformatics topics.

The SIB training portfolio is composed of a wide range of courses and workshops covering several bioinformatics-related fields, such as computational biology methods, statistics and biological data analysis, and computing techniques. It is continuously evolving to meet the needs of life scientists, clinicians and bioinformaticians, from academia and private companies, and to ensure the scientists make the best of [bioinformatics resources](#).

SIB Training Courses for 2019: Topics covered span areas such as NGS and other omics data analysis, single-cell, statistics, programming, machine learning, and several SIB resources.

Sign up for the **mailing list** so you never miss a registration deadline – some courses are highly popular and fill up very fast!

http://wadme.unige.ch:3149/pls/opprg/w_rech_cours.debut

Please browse the list of courses – think outside the box! There are many attractive courses on offer that are not necessarily listed for doctoral students or for scientists.

A selection that may be of interest:

PHILOSOPHY OF SCIENCE

10S003	Introduction à l'histoire et à la philosophie des sciences	S	CR 2h AN JE 16:15-18:00 Sciences III, 1S059
34I0148	Philosophy of Medicine	L	SE 2h A Je 14-16, B107 SE 2h P Me 12-14, B315
34I0160	Philosophy of Science : Philosophy of Biology	L	SE 2h A Ma 12-14, PHIL102

STATISTICS

S421005	Survival Analysis	GSEM	CR 2h P Je 16-18, M 5020
S411023	Introduction to Biostatistics Real Life Examples in Clinical Research and Development	GSEM	CR 4h P Me 08-12, M 3220
S403005	Sample size calculations and experimental design guidelines for the 3R	GSEM	CR 2h P 27 février 2018 de 9h15 à 16h00 en salle TBA au CMU - 14 et 28 mars 2018 de 9h15 à 12h00 salle M S040 - UniMail

SCIENTIFIC WRITING

14B012	Scientific writing and communication	S	CR 4h P Thursday afternoon: 7, 14, 21, 28 March, 4 April 2019
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			Conservatoire et Jardin botaniques (192 Rue de Lausanne)
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UNIVERSITÉ DE GENÈVE

DIVISION DE LA FORMATION ET DES ÉTUDIANTS
PÔLE DE SOUTIEN À L'ENSEIGNEMENT ET L'APPRENTISSAGE

Université de Genève > DIFE > Enseigner et Apprendre > Soutien au doctorat

<https://www.unige.ch/dife/enseigner-apprendre/soutien-doctorat/>

The DIFE offers workshops in French and in English on how to write and present your thesis, but you do not need to wait until year 4 or 5: other soft skills courses are available too.



MAISON DES LANGUES

<http://mdl.unige.ch/accueil/>

The UNIGE language centre offers a range of courses in English (Academic writing) and French (beginners to advanced). Note that all courses are now fee-paying for doctoral students.

UP
CGe

Welcome to the
Website of the
Université Populaire
of Geneva Canton

<http://www.upcge.ch/en/>

A cheaper option to learn French is at the Université populaire – courses run from October to June, once or twice per week 1h30.



The University Tech Transfer office (UNITEC) offers a series of courses about technology transfer, IP rights, patenting...for more information, visit

<https://www.unige.ch/unitec/fr/actualite/conference/>

or join their mailing list for regular updates on courses and events.