

General Chemistry - Introduction

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EPFL Welcome to EPFL!

- Your chemistry teachers



Arne Seitz

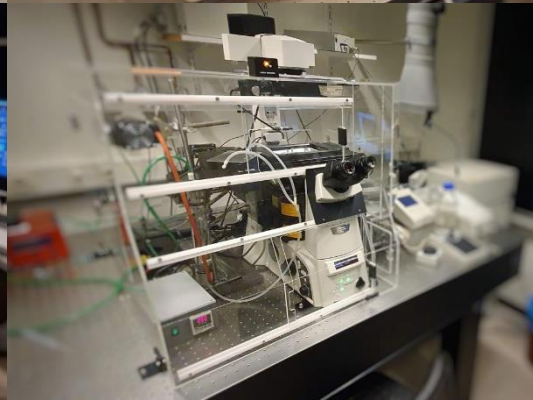
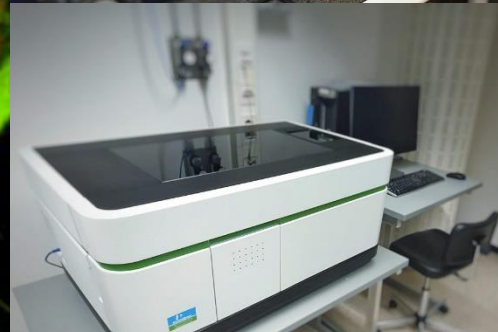
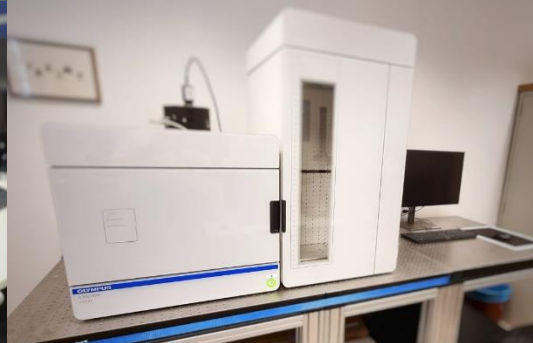
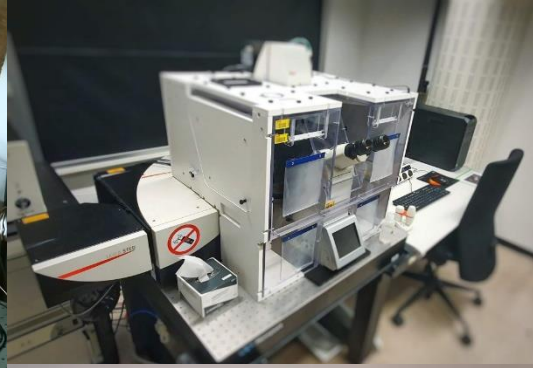
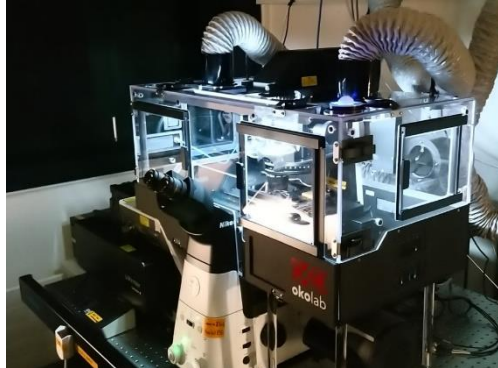
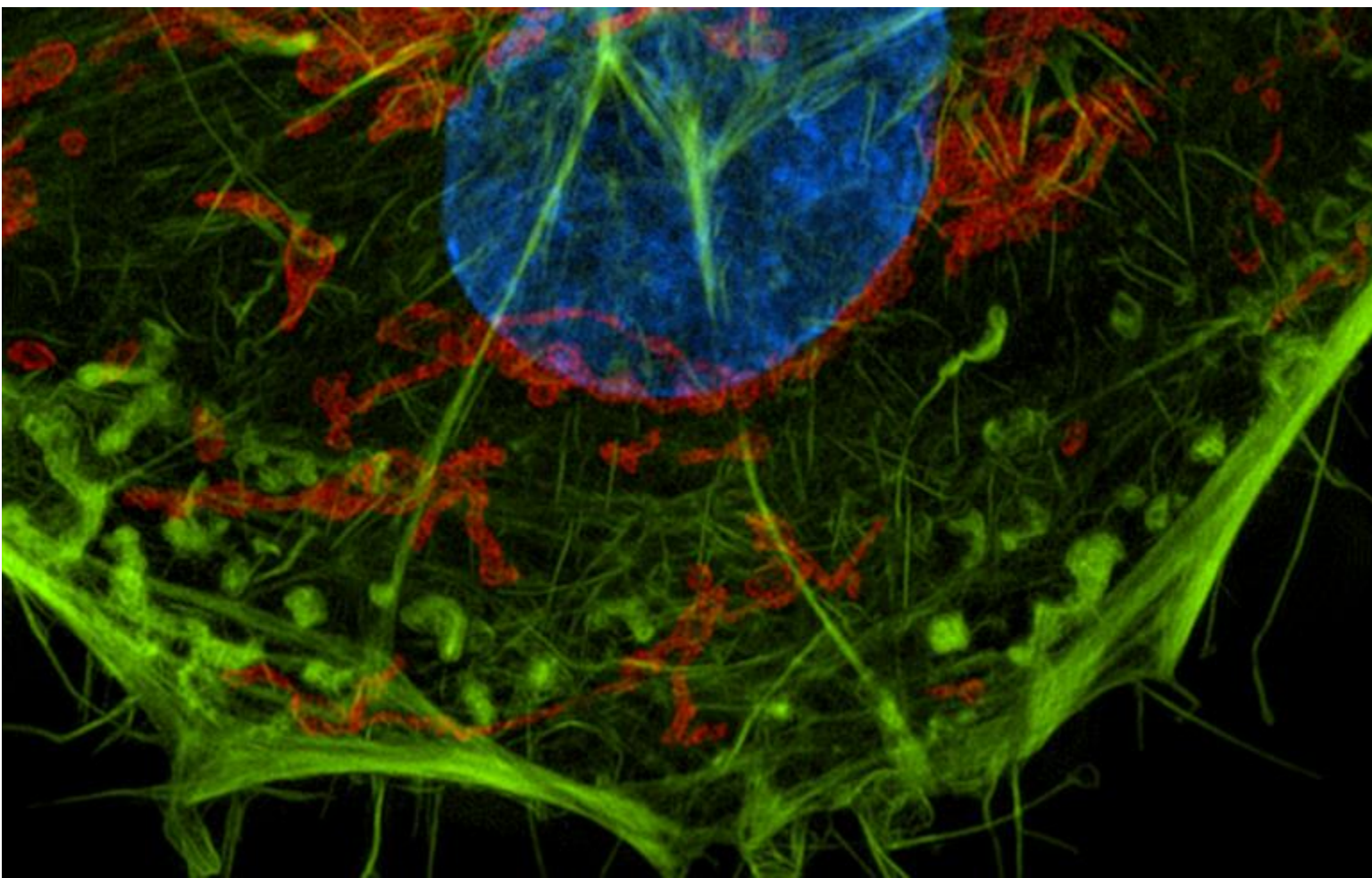


Aleksandar Antanasijević



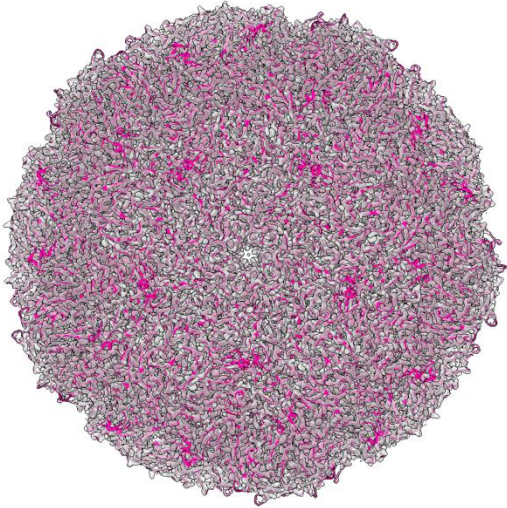
Camille Goemans

BiImaging & Optics Platform (BIOP)



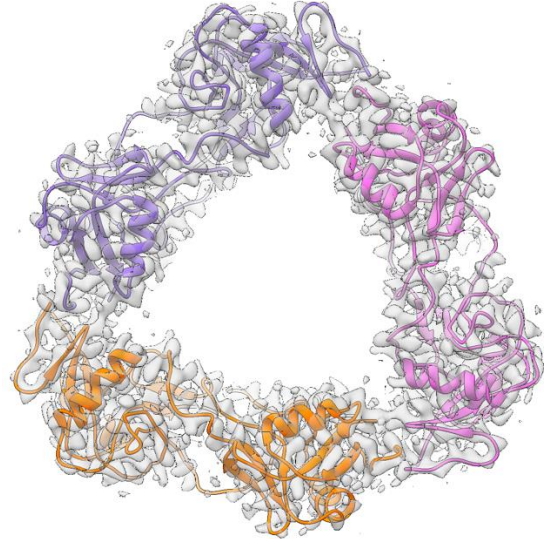
Laboratory of Virology and Structural Immunology

Viruses and viral antigens



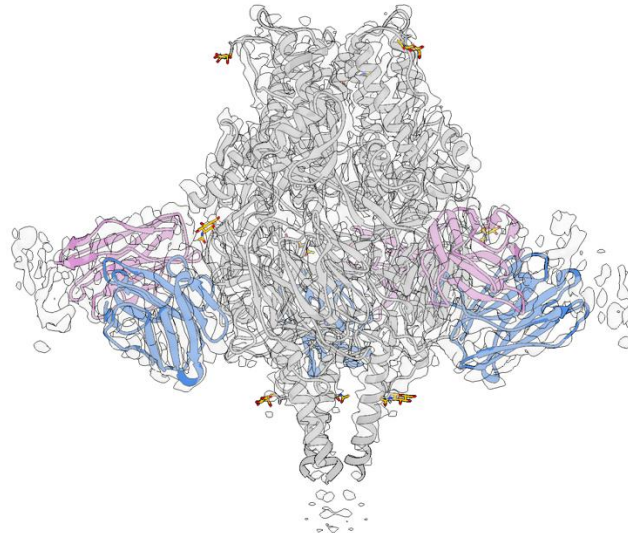
Enterovirus A71

Snake toxins



C-type-lectin-like protein (CLP)

Antibody-Antigen complexes



RSV-F + LOR69 mAb

EM method development

Backbone model

Prediction	SCD	SSC	P/G	SSC	SMC	SSC	HYF	LMC	P/G
Matching	+	+	+	+	+	+	+	+	+
Best Match	R	T	G	S	T	A	Y	N	P

Best match model

Sequence from Structure

Electron microscopy Infrastructure



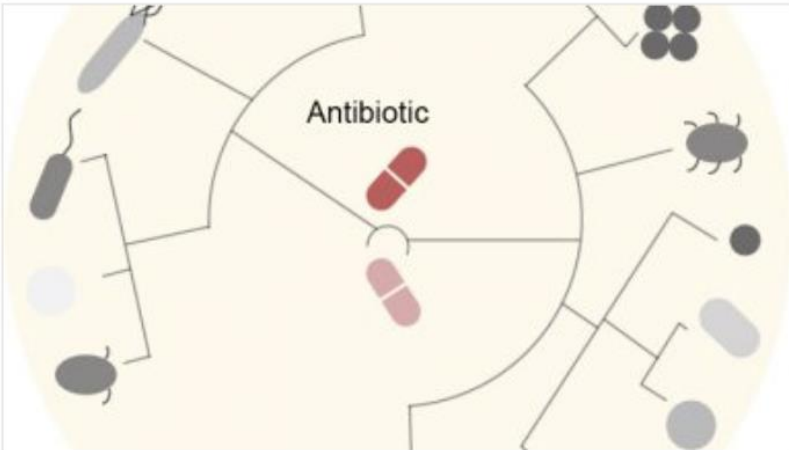
Centre Interdisciplinaire de Microscopie Électronique



Data Processing Infrastructure



Systems and Molecular Microbiology



Antibiotics impact

How antibiotics impact diverse bacteria ?

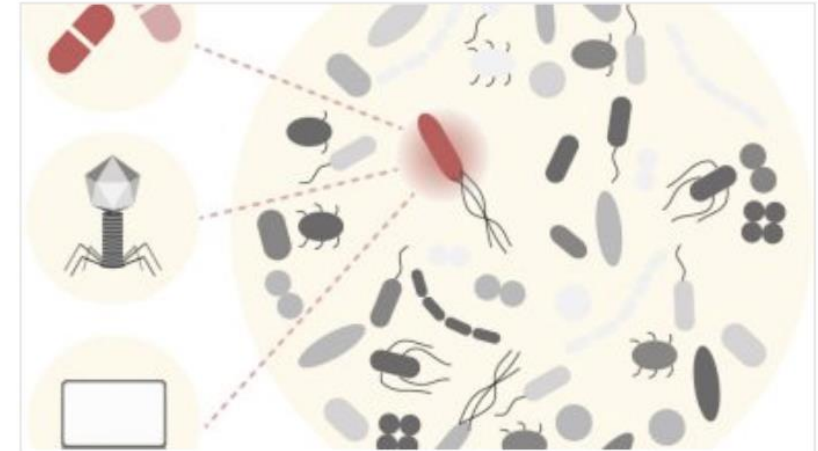
[See more](#)



Antibiotic resistance

How antibiotic resistance emerges and spreads in the gut?

[See more](#)



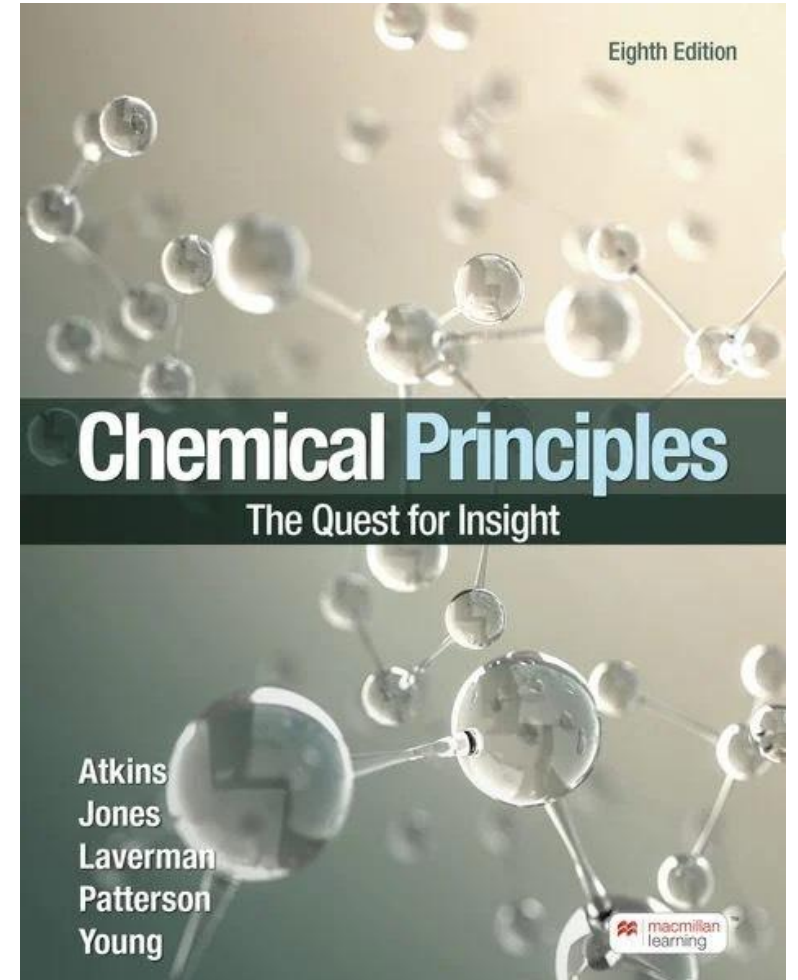
Treatment design

How to design better treatment

[See more](#)

General information about this course

- Slides and lectures are given in **English**
- Reference book is **Chemical Principles** from Atkins (available at the library)
- Images come primarily from this book (other references available upon request)
- The first two lectures will recapitulate the **background** needed for this class
- **Questions** can be asked during the break or before/after the lectures; during the exercise session; on the forum



What if you have a question?

1. In person: before/after the lecture or during the break
 - For general/organisation: reach Camille Goemans (through class representative)
 - For content questions: reach the respective teacher
2. TAs: at the exercise session
3. Check in the source book
4. If you cannot find an answer, use the ED forum as “last resort”
 - Only if there is no other way to ask your question
 - Not meant to replace course or exercise session attendance
 - Check if it was not asked before
 - We will try to answer in 1-2 weeks
 - Be respectful in the way you ask your question

General information about the exam

- The exam will be in **English (+ French translation)**
- It will be a mix of **MCQ, True and False and open questions**, similar to the exercises
- You **cannot bring anything** in addition what is needed to write at the exam
- The course **periodic table** will be provided

Weekly schedule

Weekly organisation (all information will be on Moodle! Check it regularly)

- On Tuesdays 12.15 - 13.00: Bonus hour (only needed some weeks - check on Moodle)
- On Tuesdays 15.15 - 17.00: Exercise sessions with teaching assistants (TAs) (**cancelled this week**)
- On Fridays 11.15-13.00: Lecture (no recording)
- Every Thursday on Moodle: slides for the next lecture and exercise series (! all is new)
- Every Wednesday on Moodle: Corrections from the last session

Exercise sessions

Exercise rooms

- CE1103: students A-Ce (last name)
 - CE1104: students Ch-Ge (last name)
 - GCA331: students Gi-Mc (last name)
 - GCB330: students Me-Se (last name)
 - GRB330: students Si-Z (last name)
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- **Doing the exercises properly and attending the exercise session help you to be ready for the exam!**

Teachers evaluation

- *An indicative feedback process for all Bachelor and Masters courses is launched automatically during week 5 of each semester. In order to maximise the response rate in the indicative feedback process, students express their level of agreement with a single statement: “The running of the course enables my learning and an appropriate class climate”, and have the opportunity to leave comments.*
- *A more in-depth evaluation happens at the end of the semester*

Let's enjoy our time together



- We show up on time
- We prepare our lectures properly
- We are open to feedback (student reps?)
- ...
- You show up on time
- You don't talk during the class
- You participate when needed
- You do not film the lectures
- You are respectful on the forum

Questions?

