



Immunology Tutorial – Book Club CTS/KSL Nr. 102635

Dates:	As a rule, start in spring and/or fall, according to sufficient interest
Time/Duration:	Mondays, 17:30 - 19:00, monthly for two consecutive semesters
Organizers/Tutors:	GCB/various senior scientists (see table)
Venue:	Tutor-dependent. Building and room locations will be communicated in advance of the tutorial.

Registration for the tutorial AND exam separate registrations: 1. Course and 2. Assessment

Textbook:

Abbas, Abul K.: «Cellular and Molecular Immunology», 10th Edition, Saunders, May 2021, ([ISBN: 0-323-75748-0](#)). You should have your own copy.

Course Description:

Take this tutorial course to [fill in gaps of knowledge in immunology you need for your thesis](#). In addition, this tutorial [accommodates students with no prior knowledge in immunology](#).

The 21 chapters of the book will be discussed in 10 tutorial sessions every other Monday, except for the first HS2023 tutorial, which will be held on will be on a Thursday. **All participants are expected to read the chapters being discussed prior to the monthly meetings, to come well prepared to each session, and be able to act as discussion leader any time.** The tutors will submit several questions, for which all participants must prepare the answers in advance. The tutorial is held in English and conducted by several senior scientists.

Structure of each session:

1. Discussion leaders: all participants must be prepared to act as discussion leaders any time, and possibly several times. Participants can volunteer for this task, or will be selected by the tutor, at the start of each session—one discussion leader per chapter.
2. The task of the discussion leader is to give a 10-20-min summary of the most important topics of the chapter at the start of the session.
3. What did you not understand? All participants should prepare questions to clarify facts/topics which are not fully understood.
4. Translate knowledge from textbook to daily situations: All participants are expected to prepare answers to the tutor's questions received in advance. Tutors will also make sure that knowledge of previous chapters has been integrated.

The tutor's role is to act as a resource person, should one be needed, and not as a typical «instructor» as in your master's programs. The tutor may also intervene if the discussion *goes astray*. —Alternatively, the tutor could also present a paper or a problem related to the textbook chapters.

You will attend a minimum of 8 sessions to qualify for taking the exam and earning the 3.0 ECTS. – If you must be absent for any session, please notify the course organizers (info.gcb@unibe.ch) in advance of the tutorial.

Limitation: 6-12 students

Credits: 3.0 ECTS

**Registration &
Organization:**

Registration in CTS/KSL is required for both the course and the assessment. Students who have this tutorial on their doctoral agreement as a mandatory tutorial have priority.

Final examination:

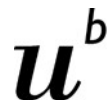
- The oral, c. 45 min. examination covering the entire Abbas book, will take place approximately one to two months after the last session of the tutorial and will be conducted by two examiners, usually selected from the team of tutors.
- Candidates will need to register on the CTS/KSL platform for the examination, and in due time, will be informed about the registration deadline by e-mail.
- Examination dates will be organized individually and are subject to the availability of the examiners.
- Candidates are expected to be available for the suggested examination date. Temporary professional absences during the prospective examination period have to be communicated to the organizer *in advance*.

Rules for Withdrawal from Examinations:

- The successful completion of all courses and examinations listed as «mandatory requirements» in the Doctoral Agreement is an indispensable requirement to continue with the PhD program of the GCB. A failed mandatory examination may be repeated once. If failed twice, the PhD program cannot be continued (see «Promotionsreglement», **Art. 9²** and **Art. 19¹**).
- Withdrawal from a scheduled examination later than 14 days before the examination date is only accepted if caused by important reasons, such as severe health problems of the candidate or other exceptional circumstances such as bereavement in the close family. Withdrawals due to health problems must be supported by a medical certificate.
 - In cases of insufficient or missing justification for absence at an examination, the examination will count as failed.



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Graduate School for Cellular and Biomedical Sciences
Immunology Tutorial (3.0 ECTS), CTS/KSL 102635
Abul K. Abbas et al., «Cellular and Molecular Immunology», 10th
Edition, May 2021, ISBN: 9780323757485

Mondays*, 17:30-19:00

**Dates are subject to
change.**

To Be Announced. Varies.

Day and Time:

Venue:

Session	Date	Tutor	Chapters
1	5-Feb-24	Prof. Dr. Britta Engelhardt	# 1: Properties and Overview of Immune Responses # 2: Cells and Tissues of the Immune System
2	19-Feb-24	Prof. Dr. Charaf Benarafa	# 3: Leukocyte Circulation and Migration into Tissues # 4: Innate Immunity
3	4-Mar-24	PD Dr. Fabian Blank	# 5: Antibodies and Antigens # 6: Antigen Presentation to T Lymphocytes and the Functions of MHC Molecules
4	18-Mar-24	Dr. Ramanjaneyulu Allam	# 7: Immune Receptors and Signal Transduction # 8: Lymphocyte Development and Antigen Receptor Gene Rearrangement
5	Tues., 02-04-24*	Prof. Dr. Stephanie Ganal-Vonarburg	# 9: Activation of T Lymphocytes # 10: Differentiation and Functions of CD4+ Effector T Cells # 11: Differentiation and Functions of CD8+ Effector T Cells
6	22-Apr-24	PD Dr. Alexander Eggel	# 12: B Cell Activation and Antibody Production # 13: Effector Mechanisms of Humoral Immunity
7	06-May-24	PD Dr. Marco Alves	# 14: Specialized Immunity at Epithelial Barriers and in Immune Privileged Tissues # 15: Immunologic Tolerance and Autoimmunity
8	13-May-24	Prof. Dr. Robert Rieben	# 16: Immunity to Microbes # 17: Transplantation Immunology
9	3-Jun-24	Dr. Steven Proulx	# 18: Immunity to Tumors # 19: Hypersensitivity Disorders
10	17-Jun-24	Dr. Stephanie Talker	# 20: Allergy # 21: Congenital and Acquired Immunodeficiencies

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