

**Schedule of seminars and lectures on
INTRODUCTION TO CLINICAL IMMUNOLOGY
for the Students of English Dentistry Division,
Medical University of Warsaw**

2nd year, winter semester 2026/2027

Teachers/lecturers:

- Prof. Dominika Nowis, MD, PhD, Laboratory of Experimental Medicine, Medical University of Warsaw, 5 Nielubowicza Street, Warsaw, e-mail: dominika.nowis@wum.edu.pl (DN)
- Prof. Jakub Golab, MD, PhD, Department of Immunology, Medical University of Warsaw, 5 Nielubowicza Street, Warsaw, e-mail: jakub.golab@wum.edu.pl (JG)

October 5th, 2026

Room 3.39 UCD (University Center of Dentistry), 6 Binieckiego Street

Lecture 1 (10:00 – 10:45) - Introduction to immunology. Organization of the immune system. **JG**

Lecture 2 (10:45 – 11:30) - Therapeutic and diagnostic applications of monoclonal antibodies. **DN**

October 12^{ve}, 2026

Room 3.39 UCD (University Center of Dentistry), 6 Binieckiego Street

Seminar 1 (10:00 – 11:30) - The role of the immune system. Structure of lymphoid organs. Structure of antibodies and T-cell antigen receptors. Classes and subclasses of antibodies - biological significance. Applications of monoclonal antibodies and their derivatives. **(DN)**

Reading: Abul K. Abbas, Andrew H. Lichtman, Shiv Pillai. Basic Immunology - Functions and Disorders of the Immune System (Seventh Edition), Elsevier LTD, 2023 – **Chapters: 1, 4**

October 19th, 2026

Room 3.39 UCD (University Center of Dentistry), 6 Binieckiego Street

Seminar 2 (10:00 – 11:30) - Sources of diversity of antibodies and T cell receptors (TCRs). Major histocompatibility system. Presentation of antigens to T lymphocytes. **(JG)**

Reading: Abul K. Abbas, Andrew H. Lichtman, Shiv Pillai. Basic Immunology - Functions and Disorders of the Immune System (Seventh Edition), Elsevier LTD, 2023 – **Chapters: 3, 4, 5**

October 26th, 2026

Room 3.39 UCD (University Center of Dentistry), 6 Binieckiego Street

Lecture 3 (10:00 – 10:45) – Mucosal immunity. **DN**

Lecture 4 (10:45 – 11:30) - Maturation and circulation of lymphocytes. **JG**

November 2nd, 2026

Room 3.39 UCD (University Center of Dentistry), 6 Binieckiego Street

Seminar 3 (10:00 – 11:30) - Development of the cellular and humoral immune response. Mechanisms of lymphocytes' cytotoxicity. Regulation of the immune response. Immunological memory. **(JG)**

Reading: Abul K. Abbas, Andrew H. Lichtman, Shiv Pillai. Basic Immunology - Functions and Disorders of the Immune System (Seventh Edition), Elsevier LTD, 2023 – **Chapters: 6, 7, 8**

November 9th, 2026

Room 3.39 UCD (University Center of Dentistry), 6 Binieckiego Street

Lecture 5 (10:00 – 10:45) – Anti-infective immunity - part 1. **DN**

Lecture 6 (10:45 – 11:30) - Anti-infective immunity - part 2. **DN**

November 16th, 2025

Room 3.39 UCD (University Center of Dentistry), 6 Binieckiego Street

Lecture 7 (10:00 – 10:45) - Hypersensitivity and allergic diseases. **JG**

Lecture 8 (10:45 – 11:30) - Immune tolerance and autoimmune diseases. **DN**

November 23rd, 2025

Room 3.39 UCD (University Center of Dentistry), 6 Binieckiego Street

Lecture 9 (10:00 – 10:45) - Immunology and immunotherapy of cancer. **JG**

Lecture 10 (10:45 – 11:30) - Secondary immunodeficiencies, HIV infection. **DN**

November 30th, 2026

Room 3.39 UCD (University Center of Dentistry), 6 Binieckiego Street

Seminar 4 (10:00 – 11:30) - Innate immunity. Function of the complement system. Interferons. Functions of macrophages and granulocytes. Natural and antibody-dependent cell-mediated cytotoxicity. Mechanisms of lymphocyte cytotoxicity. Mechanisms of immunity in mucous membranes, with special emphasis on the oral cavity. **(DN)**

Reading: Abul K. Abbas, Andrew H. Lichtman, Shiv Pillai. Basic Immunology - Functions and Disorders of the Immune System (Seventh Edition), Elsevier LTD, 2023 – **Chapter 2**

December 7th, 2026

Room 3.39 UCD (University Center of Dentistry), 6 Binieckiego Street

Seminar 5 (10:00 – 11:30) -Recapitulation of learnt topics. **Credit Colloquium.** Completion by students of the Questionnaire for Evaluation of Classes and Academic Teachers. **(DN & JG)**