

# Eastern European Immunology Firsts

Immunology · Practice Test · 12 Questions

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**1. Who was a Soviet immunologist known for developing the first effective vaccine against tularemia?**

- A) Elie Metchnikoff
- B) Nikolay Gamaleya
- C) Ivan Pavlov
- D) Ilya Mechnikov

**2. Which Russian scientist, a Nobel laureate, is credited with pioneering research on anaphylaxis and allergy?**

- A) Emil von Behring
- B) Karl Landsteiner
- C) Charles Richet
- D) Ilya Mechnikov

**3. The concept of 'natural immunity' was significantly contributed to by which Nobel Prize-winning Russian biologist?**

- A) Dmitri Mendeleev
- B) Nikolai Vavilov
- C) Ilya Mechnikov
- D) Ivan Sechenov

**4. What key immunological discovery is attributed to the work of Russian scientist Igor Tamm in the 1930s, concerning viruses?**

- A) The discovery of antibodies
- B) The role of lymphocytes
- C) The mechanism of viral adsorption
- D) The concept of phagocytosis

**5. Which Soviet scientist was a pioneer in the development of live attenuated vaccines and studied immunity to bacterial infections?**

- A) Alexander Fleming
- B) Selman Waksman
- C) Nikolay Gamaleya
- D) René Dubos

**6. The discovery of the role of cytokines, particularly interferons, in innate immunity had significant contributions from researchers in which Eastern European country?**

- A) Hungary
- B) Poland
- C) Czechoslovakia
- D) Soviet Union

**7. What early method for diagnosing infectious diseases, involving the observation of immune responses, was refined by Russian scientists in the late 19th and early 20th centuries?**

- A) PCR testing
- B) ELISA
- C) Serological tests
- D) Western blot

**8. The study of phagocytes as a defense mechanism against pathogens was a groundbreaking contribution by which Nobel laureate born in Ukraine (then part of the Russian Empire)?**

- A) Louis Pasteur
- B) Robert Koch
- C) Emil von Behring
- D) Ilya Mechnikov

**9. Which Russian parasitologist and immunologist developed a crucial vaccine against cutaneous leishmaniasis?**

- A) Vladimir Engelhardt
- B) Leonid Bogush
- C) B.B. Babkin
- D) A.A. Smorodintsev

**10. The development of an effective oral polio vaccine, a major public health achievement, involved contributions from researchers in which Eastern European country in its early stages?**

- A) Romania
- B) Bulgaria
- C) Cuba
- D) Soviet Union

**11. The discovery of the 'autoimmune regulator' (AIRE) gene, important for preventing autoimmune diseases, has roots in research connected to which region?**

- A) Western Europe
- B) North America
- C) Eastern Europe/Russia
- D) East Asia

**12. Which Soviet scientist worked on the immunology of viral hepatitis and developed diagnostic methods for it?**

- A) V.I. Ioffe
- B) A.A. Pokrovsky
- C) M.P. Chumakov
- D) V.M. Zhdanov