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Prof. MUDr. Vojtěch Thon, Ph.D.

Specialization: Allergy, Immunology

Prof. Vojtěch Thon is an immunologist and allergist. He works at the Research Centre for Toxic Compounds in the Environment (RECETOX) of Masaryk University and AKIMED in Brno. After studying general medicine at Charles University in Prague and at the University of Vienna, he worked from 1990 to 2000 at the Institut für Immunologie der Universität Wien, in the United States at the University of Alabama at Birmingham (UAB) and in Vienna at the Biomedizinische Forschungsgesellschaft, where he developed a biological model of toxic shock syndrome and candidate vaccine.

He deals with vaccination response and principles of safe vaccination, mucosal immunity, immunopathology and treatment of immunodeficient conditions, allergic and autoimmune diseases. In the Czech Republic, he worked on a fundamental change of the vaccination schedule, including the possibility of moving BCG vaccination to the second half of the first year of age of the child for the safety of vaccination and prevention of non-tuberculous mycobacteriosis, on the reduction of complications in bone marrow transplantation CD34+ stem cells of haematopoietic formation, on the introduction of screening tests of the development of T and B-lymphocytes (TREC and KREC) from the dry blood spot of the newborn for early detection of congenital immune disorders, about safe vaccination of patients with multiple sclerosis, about component diagnostics in allergy and its interpretation in allergic conditions, etc.

He is dedicated to the complex development of the health of the population, including the CELSPAC project. His professional work is very often quoted internationally. In addition to the above, he has lectured and collaborated with a number of foreign universities such as universities in Oxford, Regensburg, Seattle, Freiburg, Brescia, Hannover, Rome, Oslo, Karolinska Institutet Stockholm, and others. He continuously devotes himself to the undergraduate and postgraduate teaching of students at the Masaryk University in Brno, including Ph.D. students at Charles University in Prague. He is the author of textbooks for medical students. Reviewer of the English edition of the Oxford textbook H. Chapel et al. Essentials of Clinical Immunology and translation into Czech (Triton, 2018).