

Curriculum Vitae – Adam Klocperk, MD, Ph.D.

Name: Adam Klocperk

Title: MD, Ph.D.

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Higher education

Level	Year	Description
Residency	2014-2021	University Hospital in Motol Field: Allergology and clinical immunology
Doctoral programme (PhD)	2014-2019	Charles University in Prague, 2nd Medical Faculty Programme: Immunology Topic: Adaptive immunity in patients with primary immunodeficiencies Supervisor: Prof. MUDr. Anna Šedivá, DSc.
Master programme (MD)	2008-2014	Charles University in Prague, 2nd Medical Faculty Programme: General medicine

Recent work

Year	Employer	Position	Reference contact
2018	Center for Chronic Immunodeficiency, Freiburg, GER	Visiting scientist (CVID, primary immunodeficiency)	Prof. Dr. Med. Klaus Warnatz (klaus.warnatz@uniklinik-freiburg.de)
2014-	Dpt. of Immunology, University Hospital Motol, Prague, CZ	Clinical immunology fellow, PhD student, junior PI (primary immunodeficiency, autoimmunity)	Prof. MUDr. Anna Šedivá, CSc. (anna.sediva@lfmotol.cuni.cz)
2020-	Dpt. of Immunology, 2 nd Faculty of Medicine, Charles University, CZ	Deputy for undergraduate education	Prof. MUDr. Jiřina Bartůňková, Dr.Sc. (jjirina.bartunkova@lfmotol.cuni.cz)

Published works

h-index: 12 **Citations on WoS:** 2119

Recent first or last author

Klocperk A, et al. 2022. „Distinct CD8 T Cell Populations with Differential Exhaustion Profiles Associate with Secondary Complications in Common Variable Immunodeficiency.“ *J Clin Immunol.* 2022; Available from: <https://doi.org/10.1007/s10875-022-01291-9>

Smetanova, J et al. 2021. 2021. “Accelerated Maturation, Exhaustion, and Senescence of T Cells in 22q11.2 Deletion Syndrome.” *Journal of Clinical Immunology*, October.

Bloomfield, M & Klocperk A, et al. 2021. “Natural Course of Activated Phosphoinositide 3-Kinase Delta Syndrome in Childhood and Adolescence“. *Front. Pediat.* 2021, 9, 1-12

Klocperk, Adam et al. 2021. „Elevated Biomarkers of NETosis in the Serum of Pediatric Patients With Type 1 Diabetes and Their First-Degree Relatives“. *Front. Immunol.* 2021, 12, 1-6.

Klocperk, Adam et al. 2020. „Case report: Systemic Inflammatory Response and Fast Recovery in a Pediatric Patient With COVID-19.“ *Front. Immunol.* 2020, 11, 1–5.

Klocperk, Adam et al. 2020. „Exhausted phenotype of follicular CD8 T cells in CVID.“ *Journal of Allergy and Clinical Immunology* 146(4):912-915.e13

Klocperk, Adam et al. 2019. “First thymic transplant in the Czech Republic as a novel therapeutic option for patients with complete DiGeorge syndrome.“ *Alergie* 4:200-205

Recent co-author

Manry J, et al. 2022. „The risk of COVID-19 death is much greater and age dependent with type I IFN autoantibodies.“ *Proc Natl Acad Sci U S A.* 2022;119:e2200413119.

Fejtikova M, et al. 2022. „TLR8/TLR7 dysregulation due to a novel TLR8 mutation causes severe autoimmune hemolytic anemia and autoinflammation in identical twins.“ *Am J Hematol* 2022;97:338–51

Kanderova, V et al. 2021. “Early-Onset Pulmonary and Cutaneous Vasculitis Driven by Constitutively Active SRC-Family Kinase HCK.” *The Journal of Allergy and Clinical Immunology*, September.

Parackova, Zuzana et al. 2021. “Neutrophils mediate Th17 promotion in COVID-19 patients”. *Journal of Leukocyte Biology* 109(1):73-76

Basho, K et al. 2021. „IL-2 contributes to cirrhosis-associated immune dysfunction by impairing follicular T helper cells in advanced cirrhosis”. *J Hepatol* 2021;74:649–60.

Bastard, P et al. 2021. „Autoantibodies neutralizing type I IFNs are present in ~4% of uninfected individuals over 70 years old and account for ~20% of COVID-19 deaths “. *Science Immunology* 62(6):eabl4340

Mauracher, A et al. 2020. “Erythropoiesis defect observed in STAT3 GOF patients with severe anaemia”. *Journal of Allergy and Clinical Immunology* 145(4):1297-1301.

Awarded fellowships and grants

2020-2023: AZV NU20-05-00282 “T-MAPs: High content mapping of surface molecules in normal and disturbed development of T lymphocytes, a search for diagnostic and therapeutic targets”, co-recipient

2020: University Hospital in Motol Modern Therapies project “PIDLA: Web-based companion app for diagnosis of primary immunodeficiencies”, principal recipient

2018 & 2019: Charles University – University of Zurich bilateral support “Rare inborn errors of immunity - insight into pathogenesis and treatment options”

2018: ESID Medium-term Fellowship, awarded towards lab rotation at the AG Warnatz, Center for Chronic Immunodeficiency, Freiburg, Germany, project “Follicular cytotoxic T-cells in COVID”

2015-2017: GAUK 127315 „The effect of thymic dysplasia on immune system of patients with diGeorge syndrome“, principal recipient

Other recent awards

2020: Czech society for analytical cytometry, best clinical cytometry publication “Exhausted phenotype of follicular CD8 T cells in COVID”

2020: European Society for Immunodeficiencies Junior Talent Award

2019: Alergie, best publication „First thymic transplant in the Czech Republic as a novel therapeutic option for patients with complete DiGeorge syndrome“

2016: Czech society for analytical cytometry, best clinical cytometry publication “Low marginal zone-like B lymphocytes and natural antibodies characterize skewed B-lymphocyte subpopulations in del22q11 diGeorge patients”

Memberships

EAACI, ESID, ČSAKI PID WP, ČLS JEP, ČLK