

PERSONAL INFORMATION **Zsofia Gyulai****WORK EXPERIENCE**

April 2010–Present

clinical assessor

National Institute of Pharmacy and Nutrition (Hungary)

Clinical efficacy and safety assessment for marketing authorization applications

October 1988–December 2006

assistant professor

University of Szeged, Faculty of Medicine, Department of Medical Microbiology and Immunobiology (Hungary)

research in virology and immunology.

Classroom and laboratory instruction of medical microbiology and immunology for medical, dental and pharmaceutical students in Hungarian and English.

Supervisor of medical and pharmaceutical students preparing their diploma thesis. Supervisor of PhD students

September 2006–February 2010

visiting scientist

Cancer and Inflammation Program, Laboratory of Experimental Immunology, CCR, -NCI/NIH Frederick, MD (United States)

Research in cancer immunology, chemical carcinogenesis

August 1996–December 1998

visiting scientist

The Wistar Institute, Philadelphia, PA (United States)

Research in viral immunology, preclinical/clinical testing of vaccine candidates

April 1994–April 1995

visiting scientist

Cornell University Medical College, Dept. of Pharmacology, New York, NY. (United States)

Biomedical research

EDUCATION AND TRAINING– **MD. degree 1988**

Albert Szent-Gyorgyi Medical University Szeged (Hungary)

– **Ph.D. degree 2001**

University of Szeged, Faculty of Medicine Szeged (Hungary)

– **Specialization in Medical Microbiology 1992**

Postgraduate Medical School, Budapest (Hungary)

ADDITIONAL INFORMATION**Expertise**

Immunologist, virologist, microbiologist with experience in medical microbiology/virology, infectious diseases, cellular/humoral immunology, chemical carcinogenesis, preclinical/clinical testing of vaccine candidates, and molecular biology

Publications

Original articles:

1. Salcedo R, Worschech A, Cardone M, Jones Y, Gyulai Z, Dai RM, Wang E, Ma W, Haines D, O'huigin C, Marincola FM, Trinchieri G: MyD88-mediated signaling prevents development of adenocarcinomas of the colon: role of interleukin 18 *J Exp Med* 207(8),2080-8. (2010)
2. Tizslavicz Z, Gyulai Z, Bencsik K, Szolnoki Z, Kocsis AK, Somogyvári F, Vécsei L, Mándi Y: RAGE gene polymorphisms in patients with multiple sclerosis. *J Mol Neurosci*, 39(3), 360-5. (2009)
3. Szoke D, Molnar B, Solymosi N, Racz K, Gergics P, Blasko B, Vasarhelyi B, Vannay A, Mandy Y, Klausz G, Gyulai Z, Galamb O, Spisak S, Hutkai B, Somogyi A, Berta K, Szabo A, Tulassay T, Tulassay Z: Polymorphisms of the ApoE, HSD3B1, IL-1beta and p53 genes are associated with the development of early uremic complications in diabetic patients: Results of a DNA resequencing array study. *Int J Mol Med*, 23(2), 217-27. (2009)
4. Szoke D, Molnar B, Solymosi N, Klausz G, Gyulai Z, Toth B, Mandi Y, Tulassay Z: T-251A polymorphism of IL-8 relating to the development of histological gastritis and G-308A polymorphism of TNF- α relating to the development of macroscopic erosion, *Eur J Gastroen Hepat*, 20, 191-95. (2008)
5. Hofner P, Seprényi G, Miczák A, Buzás K, Gyulai Z, Medzihradszky KF, Rouhiainen A, Rauvala H, Mándi Y: High Mobility Group Box 1 protein induction by Mycobacterium bovis BCG, *Mediators of Inflammation*, 2007, Article ID 53805. (2007)
6. Kis Z, Sas K, Gyulai Z, Tresó B, Petrovay F, Kapusinszky B, Csire M, Endresz V, Burian K, Mandi Y, Vecsei L, Gonczol E: Chronic infections and genetic factors in the development of ischemic stroke, *New Microbiol*, 30(3), 213-20. (2007)
7. Kahán Z, Csenki M, Varga Z, Szil E, Cserhati A, Balog A, Gyulai Z, Mándi Y, Boda K, Thurzó L: The risk of early lung sequelae after conformal radiotherapy in breast cancer patients, *Int J Radiat Oncol Biol Phys* 68;3, 673-681 (2007)
8. Hofner P, Gyulai Z, Kiss ZF, Tiszai A, Tizslavicz L, Tóth G, Szőke D, Molnár B, Lonovics J, Tulassay Z, Mándi Y: Genetic Polymorphisms of NOD1 and IL-8, but not Polymorphisms of TLR4 Genes, Are Associated with Helicobacter pylori-Induced Duodenal Ulcer and Gastritis, *Helicobacter* 12;2, 124–131 (2007)
9. Hofner P, Balog A, Gyulai Z, Farkas G, Rakonczay Z, Takacs T, Mandi Y: Polymorphism in the IL-8 gene, but not in the TLR4 gene, increases the severity of acute pancreatitis, *Pancreatology*, 23;6, 542-548 (2006)
10. Gyulai Z, Balog A, Borbenyi Z, Mandi Y: Genetic polymorphisms in patients with myelodysplastic syndrome, *Acta Microbiol Immunol Hung*, 52, 463-475 (2005)
11. Balog A, Gyulai Z, Boros LG, Farkas Gy, Takács T, Lonovics J, Mandi Y: Polymorphism of the TNF- α , HSP70-2 and CD14 genes increases susceptibility to severe acute pancreatitis, *Pancreas*, 30, 46-50 (2005)
12. Klausz G, Molnar T, Nagy F, Gyulai Z, Boda K, Lonovics J, Mandi Y: Polymorphism of the heat-shock protein gene HSP70-2, but not polymorphisms of the IL-10 and CD14 genes, is associated with the outcome of Crohn's disease, *Scand J Gastroenterology*, 40, 1197-1204 (2005)
13. Balog A, Borbenyi Z, Gyulai Z, Molnár L, Mandi Y: Clinical importance of TGF- β but not of TNF- α gene polymorphism in patients with myelodysplastic syndrome belonging to the refractory anemia subtype, *Pathobiology*, 72, 165-170 (2005)
14. Gyulai Z, Klausz G, Tiszai A, Lenart Z, Kasa IT, Lonovics J, Mandi Y: Genetic polymorphism of interleukin-8 (IL-8) is associated with Helicobacter pylori-induced duodenal ulcer, *Eur Cytokine Netw*, 15, 353-8 (2004)
15. Balog A, Klausz G, Gal J, Molnar T, Nagy F, Ocsóvszky I, Gyulai Z, Mandi Y: Investigation of the prognostic value of TNF-alpha gene polymorphism among patients treated with infliximab, and the effects of infliximab therapy on TNF-alpha production and apoptosis, *Pathobiology*, 71, 274-80 (2004)
16. Klausz G, Tiszai A, Lénárt Z, Gyulai Z, Tizslavicz L, Hőgye M, Csanády M, Lonovics J, Mándi Y: Helicobacter pylori-induced immunological responses in patients with duodenal ulcer and in patients with cardiomyopathies, *Acta Microbiol Immunol Hung*, 51, 311-20 (2004)
17. Klausz G, Buzás E, Scharek P, Tizslavicz L, Gyulai Z, Fulop AK, Falus A, Mandi Y: Effects of Helicobacter pylori infection on gastric inflammation and local cytokine production in histamine-deficient (histidine decarboxylase knock-out) mice, *Immunol Letters*, 94, 223-228 (2004)
18. Balog A, Gal J, Gyulai Z, Zsilak S, Barath S, Mandi Y: Tumour necrosis factor- α and heat-shock protein 70-2 gene polymorphisms in a family with rheumatoid arthritis, *Acta Microbiol Immunol Hung*, 51, 263-9 (2004)
19. Klausz G, Tiszai A, Tizslavicz L, Gyulai Z, Lénárt Z, Lonovics J, Mándi Y: Local and peripheral cytokine response and CagA status of Helicobacter pylori-positive patients with duodenal ulcer. *Eur.*

Cytokine Netw., 14, 1-6 (2003)

20. Endrész V, Burián K, Berencsi K, Gyulai Z, Horton H, Virok D, Méric C, Plotkin SA, Gönczöl É: Optimization of DNA immunization against human cytomegalovirus, *Vaccine*, 19 (28-29), 3972-3980 (2001)
 21. Burián K, Berencsi K, Endrész V, Gyulai Z, Vályi-Nagy T, Vályi-Nagy I, Bakay M, Geng Y, Virók D, Kari L, Hajnal-Papp R, Trinchieri G, Gönczöl É: Chlamydia pneumoniae superinfection exacerbates aortic injury and inflammatory foci caused by murine cytomegalovirus infection in mice, *Clin Diagn Lab Immunol*, 8 (6), 1263-1266 (2001)
 22. Berencsi K, Gyulai Z, Gonczol E, Pincus S, Cox WI, Michelson S, Kari L, Méric C, Cadoz M, Zahradnik J, Starr S, Plotkin SA: A canarypox vector expressing cytomegalovirus phosphoprotein 65 (pp65) induces long-lasting cytotoxic T cell responses in human cytomegalovirus (HCMV) seronegative subjects, *J Infect Dis*, 183 (8), 1171-79 (2001)
 23. Gyulai Z: Herpesvírusok elleni vakcináció lehetőségei, *Lege Artis Medicinæ*, 10 (3), 226-234 (2000)
 24. Gyulai Z, Endresz V, Burian K, Pincus S, Toldy J, Cox WI, Méric C, Plotkin SA, Gonczol E, Berencsi K: Cytotoxic T lymphocyte (CTL) responses to human cytomegalovirus pp65, IE1-exon4, gB, pp150, and pp28 in healthy individuals: reevaluation of prevalence of IE-specific CTLs, *J Infect Dis*, 181 (5), 1537-46 (2000)
 25. Geng Y, Berencsi K, Gyulai Z, Valyi-Nagy T, Gonczol E, Trinchieri G: Roles of interleukin-12 and gamma interferon in murine Chlamydia pneumoniae infection, *Infect. Immun*, 68 (4), 2245-2253 (2000)
 26. Gönczöl É, Berencsi K, Endrész V, Burián K, Gyulai Z, Kari L, Virók D: Új vakcinák lehetősége a jövő század első negyedében, *Lege Artis Medicinæ*, 9 (2), 88-95 (1999)
 27. Adler SP, Plotkin SA, Gonczol E, Cadoz M, Méric C, Wang JB, Dellamonica P, Best AM, Zahradnik J, Pincus S, Berencsi K, Cox WI, Gyulai Z: A canarypox vector expressing cytomegalovirus (CMV) glucoprotein B primes for antibody responses to a live attenuated CMV vaccine (Towne), *J Infect Dis*, 180 (3), 843-846 (1999)
 28. Endrész V, Kari L, Berencsi K, Kari Cs, Gyulai Z, Jenei Cs, Pincus S, Rodeck U, Méric C, Plotkin SA, Gonczol E: Induction of human cytomegalovirus (HCMV)- glycoprotein B (gB)- specific neutralizing antibody and phosphoprotein 65 (pp65)-specific cytotoxic T lymphocyte responses by naked DNA immunization, *Vaccine*, 17 (1), 50-58 (1999)
 29. Berencsi K, Gonczol E, Endrész V, Kough J, Takeda S, Gyulai Z, Plotkin SA, Rando RF: The N-terminal 303 amino acids of the human cytomegalovirus envelope glycoprotein B (UL55) and the exon 4 region of the major immediate early protein 1 (UL 123) induce a cytotoxic T-cell response, *Vaccine*, 14 (5), 369-374 (1996)
 30. Mucsi I, Gyulai Z, Béládi I: Combined effects of flavonoids and acyclovir against herpesviruses in cell cultures, *Acta Microbiol. Hung*, 39 (2), 137-147 (1992)
 31. Mucsi I, Gyulai Z, Béládi I: Flavonoidok antivirális hatásának vizsgálata nukleozid analógokkal vagy interferonnal kombináltan, *Kísér. Orvostud*, 39, 443-448 (1987)
- 48 Conference abstracts

Projects

Memberships

Hungarian Society of Microbiology (MMT), Hungarian Society of Immunology (MIT)

Other Relevant Information

Fellowships:

János Bolyai Research Fellowship of the Hungarian Academy of Sciences 2002-2005

Journal review for: *Cytokine*

Proficiency in languages: fluent in English; reading and understanding German and Russian