Haluk Barbaros ORAL, MD Ph.D., is a Professor of Immunology and the director of the Department of Immunology at Bursa Uludag University Faculty of Medicine, Turkiye. Dr. Oral is a graduate of the Faculty of Medicine, Bursa Uludag University, Turkiye. He became a specialist in Infectious Diseases and Clinical Microbiology at the Bursa Uludag University, and then, received his MSc and Ph.D. in Immunology from Imperial College of Science, Technology and Medicine, the University of London, UK. He has been a professor of Immunology at Bursa Uludag University since 2008. He has published over 90 papers in peer-reviewed journals



and various book chapters in the fields of microbiology and immunology. He is also on the editorial and reviewer boards of several scientific journals. He is president of the Turkish Society of Immunology. Professor Oral has been the vice dean of the Faculty of Medicine, Bursa Uludag University since 2019.

The main research interests of Professor Oral comprise immune gene and cellular therapies for autoimmune diseases and cancer; investigation of new molecular targets in granulomatous infectious diseases; and, recently, exosomes in health and diseases.

Relevant Literature:

- Bal, S. H., Sağdilek, E., Karaçay, M., Kızmaz, M. A., Kumaş, L. T., Can, F. E., Yıldırım, M., Canavar-Yıldırım, T., Koşay-Gülkaya, D., Yöyen-Ermiş, D., Budak, F., Heper, Y., Güresl, İ., & Oral, H. B. (2022). The effect of exosomes released from apheresis platelet concentrates under the impact of gamma irradiation and storage time upon platelet aggregation and hemostasis. Blood transfusion = Trasfusione del sangue, 10.2450/2022.006-22. Advance online publication. https://doi.org/10.2450/2022.006-22.
- Cagan, E., Tezcan, G., Simsek, A., Kizmaz, M. A., Dombaz, F., Asan, A., Demir, H. I., Bal, H., Yoyen Ermis, D., Gorek Dilektasli, A., Kazak, E., Akalin, E. H., **Oral, H. B.**, & Budak, F. (2022). The Age-Dependent Role of Th22, Tc22, and Tc17 Cells in the Severity of Pneumonia in COVID-19 Immunopathogenesis. Viral immunology, 35(4), 318–327. https://doi.org/10.1089/vim.2021.0132.
- Simsek, A., Kizmaz, M. A., Cagan, E., Dombaz, F., Tezcan, G., Asan, A., Demir, H. I., Bal, S. H., Ermis, D. Y., Dilektaslı, A. G., Kazak, E., Akalin, E. H., Oral, H. B., & Budak, F. (2022). Assessment of CD39 expression in regulatory T-cell subsets by disease severity in adult and juvenile COVID-19 cases. Journal of medical virology, 94(5), 2089–2101. https://doi.org/10.1002/jmv.27593.

- 4. Acet Öztürk, N. A., Ursavaş, A., Görek Dilektaşli, A., Demirdöğen, E., Coşkun, N. F., Ediger, D., Uzaslan, A. E., Yöyen Ermiş, D., Karaca, M., Terzi, O. E., Bayram, M., Ömer Topçu, D., Yiğitliler, B., Yurttaş, A., Maharramov, S., Yazici, G., Oral, H. B., & Karadağ, M. (2021). Interleukin-21: a potential and predicting prognosis in biomarker for diagnosis COVID-19 patients. Turkish journal of medical sciences, 51(5), 2274-2284. https://doi.org/10.3906/sag-2102-24.
- Goktas, S. Y., Oral, A. Y., Yılmaz, E., Akalın, E. H., Guvenc, F., Ozkaya, G., Kocaeli, H., Dogan, S., Yılmazlar, S., & Oral, H. B. (2021). Diagnostic value of the CSF levels of D-Lactate and pro-inflammatory cytokines (TNF-alpha, IL-6, IL-8 and IL-17) in the patients with suspected nosocomial meningitis. Singapore medical journal, 10.11622/smedj.2021123. Advance online publication. https://doi.org/10.11622/smedj.2021123.