

## Asst. Prof. BANU BAYYURT KOCABAŞ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ABF-3932-2020

ScopusID: 54388169000

Yoksis Researcher ID: 359053

### Dissertations

Doctorate, In vivo applications of liposomal vaccines encapsulating single or dual pathogen-associated molecular patterns, Ihsan Dogramaci Bilkent University, MOLECULAR BIOLOGY AND GENETICS DEPT, 2017

### Research Areas

Biomaterial, Immunology, Virology

### Courses

Virology, Undergraduate, 2022 - 2023

Immunology, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Experimental Techniques in Immunology, Postgraduate, 2023 - 2024

GENETICS LABORATORY, Undergraduate, 2022 - 2023, 2021 - 2022

Recombinant DNA Techniques, Undergraduate, 2021 - 2022

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Enhancing preventive and therapeutic cancer vaccine efficacy through biotherapeutic ligand-associated extracellular vesicles**  
Kahraman T., Akpınar G. G., Yildirim M., Larssen P., Bayyurt-Kocabas B., Yagci F. C., Gursel A., Horuluoglu B. H., Yazar V., Ayanoglu İ. C., et al.  
JOURNAL OF CONTROLLED RELEASE, vol.376, pp.618-631, 2024 (SCI-Expanded)
- II. **Exosomes co-encapsulating antigen and immunoadjuvants act as an effective therapeutic cancer vaccine**  
Yildirim M., Yildirim T. C., Gucluler G., Bayyurt B., Kahraman T., Evcili I., Kaya G. G., Bozbeyoglu N., Yagci F. C., Gursel I.  
EUROPEAN JOURNAL OF IMMUNOLOGY, vol.51, pp.416, 2021 (SCI-Expanded)
- III. **Dual-adjuvant effect of pH-sensitive liposomes loaded with STING and TLR9 agonists regress tumor development by enhancing Th1 immune response.**

Kocabas B., Almacioglu K., Bulut E. A., Gucluler G., Tincer G., Bayik D., GÜRSEL M., GÜRSEL İ.

Journal of controlled release : official journal of the Controlled Release Society, vol.328, pp.587-595, 2020 (SCI-Expanded)

- IV. **Human Gut Commensal Membrane Vesicles Modulate Inflammation by Generating M2-like Macrophages and Myeloid-Derived Suppressor Cells**  
Bulut E. A., Kocabas B., Yazar V., Aykut G., GÜLER Ü., SALİH B., Yılmaz N. S., AYANOĞLU İ. C., Polat M. M., AKÇALI K. C., et al.  
JOURNAL OF IMMUNOLOGY, vol.205, no.10, pp.2707-2718, 2020 (SCI-Expanded)
- V. **Encapsulation of two different TLR ligands into liposomes confer protective immunity and prevent tumor development**  
Bayyurt B., Tincer G., Almacioglu K., Alpdundar E., GÜRSEL M., GÜRSEL İ.  
Journal of Controlled Release, vol.247, pp.134-144, 2017 (SCI-Expanded)
- VI. **Enhanced immunostimulatory activity of cyclic dinucleotides on mouse cells when complexed with a cell-penetrating peptide or combined with CpG**  
Yildiz S., Alpdundar E., Gungor B., Kahraman T., Bayyurt B., GÜRSEL İ., GÜRSEL M.  
European Journal of Immunology, vol.45, no.4, pp.1170-1179, 2015 (SCI-Expanded)
- VII. **CpG ODN nanorings induce IFN $\alpha$  from plasmacytoid dendritic cells and demonstrate potent vaccine adjuvant activity**  
Gungor B., Yagci F. C., Tincer G., Bayyurt B., Alpdundar E., Yildiz S., Ozcan M., GÜRSEL İ., GÜRSEL M.  
Science Translational Medicine, vol.6, no.235, 2014 (SCI-Expanded)
- VIII. **Effect of double growth factor release on cartilage tissue engineering**  
Ertan A. B., Yilgor P., Bayyurt B., Calikoglu A. C., Kaspar C., Kök F. N., KÖSE G., Hasirci V.  
Journal of Tissue Engineering and Regenerative Medicine, vol.7, no.2, pp.149-160, 2013 (SCI-Expanded)
- IX. **The antiproliferative effect of celecoxib loaded pNIPAM nanoparticles**  
Bayyurt B., Hasirci V.  
Journal of Biomaterials and Tissue Engineering, vol.2, no.3, pp.220-227, 2012 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Chitosan Polysaccharide Suppress Toll Like Receptor Dependent Immune Response**  
Tincer G., Bayyurt B., Arica Y. M., Gursel I.  
TURKISH JOURNAL OF IMMUNOLOGY, vol.3, no.1, pp.15-20, 2015 (ESCI)
- II. **Inflammasome Induction and Immunostimulatory Effects of CpG-ODN Loaded Liposomes Containing DC-Cholesterol**  
Bayyurt B., Gursel I.  
TURKISH JOURNAL OF IMMUNOLOGY, vol.2, no.2, pp.21-28, 2014 (ESCI)

## Supported Projects

BAYYURT KOCABAŞ B., Project Supported by Higher Education Institutions, pH'a Duyarlı Lipozom İçerisine Yüklendiği TLR9 ve STING ligandlarının Etkisinin Hücresel Mekanizmasının İncelenmesi, 2023 - Continues  
Bayyurt Kocabaş B., Gürsel İ., Sayı Yazgan A., Öktem Okullu S., Salih B., Gürsel M., Yılmaz İ. C., TÜBİTAK Project, Korunma Ve Tedavi Ulusal Platformu, 2023 - 2027

## Metrics

Publication: 17

Citation (WoS): 217

Citation (Scopus): 225

H-Index (WoS): 6

H-Index (Scopus): 6

## **Awards**

Bayyurt Kocabaş B., Işıl Berat Barlan Genç Bilim İnsanı Ödülü, Türk İmmünoloji Derneği, November 2023