

Prof. BAŞAK KAYHAN

Personal Information

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International Researcher IDs

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Education Information

Post Doctorate, The Trudeau Institute, Immunology, United States Of America 2004 - 2007

Post Doctorate, The Weizmann Institute of Science, Life Sciences, Immunology Department, Israel 2001 - 2004

Doctorate, Gazi University, Tıp Fakültesi/Sağlık Bilimleri Enstitüsü, Temel Bilimler/Mikrobiyoloji/İmmünoloji, Turkey 1997 - 2000

Postgraduate, Gazi University, Tıp Fakültesi/Sağlık Bilimleri Enstitüsü, Temel Bilimler/Mikrobiyoloji/İmmünoloji, Turkey 1995 - 1997

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji, Turkey 1990 - 1994

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Occupational Health and Safety, İş Güvenliği, İSAGEM, 2012

Health&Medicine, Hibridoma Teknikleri ve Monoklonal Antikor Üretimi, MAM-TUBİTAK, 1998

Dissertations

Doctorate, Epitop maskelenmesi yöntemi ile immün yanıtın yönlendirilmesinde IgG ve Fab etkinliğinin karşılaştırılması , Gazi University, Sağlık Bilimleri Enstitüsü/Tıp Fakültesi, Temel Tıp Bilimleri/Mikrobiyoloji-İmmünoloji, 2001

Postgraduate, İnsan serumlarında difteri antitoksin düzeyinin kantitatif bioassay yöntem ile ölçülmesi , Gazi University, Sağlık Bilimleri Enstitüsü/Tıp Fakültesi, Temel Tıp Bilimleri/Mikrobiyoloji-İmmünoloji, 1997

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences

Academic Titles / Tasks

Professor, Inonu University, Tıp Fakültesi, Temel Tıp Bilimleri, 2014 - Continues
Associate Professor, Inonu University, Tıp Fakültesi, Temel Tıp Bilimleri, 2009 - 2014
Lecturer, Bülent Ecevit Üniversitesi, Tıp Fakültesi, Temel Bilimler, 2007 - 2009

Advising Theses

Kayhan B., Investigation of Anti-Alpha1,3 Galactose Levels in pre-op and post-op Liver Transplant Patients ,
Postgraduate, M.YİĞİT(Student), Continues
Kayhan B., Kronik Karaciğer Fibrozu Oluşturulan Genç Ve Yaşlı Farelerde İnflamatuar Ve Anti-İnflamatuar Sitokin
Genlerinin İfade Edilme Düzeyinin Araştırılması, Doctorate, Z.METE(Student), 2020
Kayhan B., Karaciğer Transplantasyonu Hastalarının Operasyon Öncesi ve Sonrasında, İnflamatuar ve Anti-inflamatuar
Gen İfadelerinin İncelenmesi, Doctorate, G.KARACA(Student), 2020
KAYHAN B., Karaciğer Fibrozunda Sistemik İmmün Yanıtın Yönlendirilmesi, Postgraduate, E.CANPOLAT(Student), 2019
KAYHAN B., KARACİĞER FİBROZU ESNASINDA LİPOKSİN A4'ÜN KARACİĞER HÜCRE YENİLENMESİ ve İMMÜN YANIT
ÜZERİNE ETKİSİNİN ARAŞTIRILMASI, Doctorate, E.L.(Student), 2016
KAYHAN B., Akut brusellozda bazı inflamazom genlerinin ifade edilme düzeyinin araştırılması, Postgraduate,
G.KARACA(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effects of Noopept on Oxidative Stress Related Parameters in the Streptozotocin-Induced Diabetes Model**
GÜRBÜZ P., DÜZÖVA H., KAYHAN B., Cig B., NAZIROĞLU M., AKATLI A. N.
ACTA PHYSIOLOGICA, vol.234, pp.54, 2022 (SCI-Expanded)
- II. **A bioactive product lipoxin A4 attenuates liver fibrosis in an experimental model by regulating immune response and modulating the expression of regeneration genes**
KURTOĞLU E. L., KAYHAN B., GÜL M., KAYHAN B., Kayhan M. A., KARACA Z. M., YEŞİLADA E., YILMAZ S.
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.30, no.8, pp.745-758, 2019 (SCI-Expanded)
- III. **Immune Response in the Liver under Conditions of Infection, Malignancy, and Transplantation**
KAYHAN B., ÖZDAMAR Ş. O., Padberg W., Kayabas U., Aharoni R., Mirshahidi S.
JOURNAL OF IMMUNOLOGY RESEARCH, 2014 (SCI-Expanded)
- IV. **The effect of atorvastatin and its role on systemic cytokine network in treatment of acute experimental colitis**
Aktunc E., KAYHAN B., Arasli M., Gun B. D., Barut F.
IMMUNOPHARMACOLOGY AND IMMUNOTOXICOLOGY, vol.33, no.4, pp.667-675, 2011 (SCI-Expanded)
- V. **Analysis of peripheral blood lymphocyte phenotypes and Th1/Th2 cytokines profile in the systemic immune responses of Helicobacter pylori infected individuals**
Kayhan B., Arasli M., Eren H., Aydemir S., KAYHAN B., Aktas E., Tekin I.
MICROBIOLOGY AND IMMUNOLOGY, vol.52, no.11, pp.531-538, 2008 (SCI-Expanded)
- VI. **A replication-deficient murine gamma-herpesvirus blocked in late viral gene expression can establish latency and elicit protective cellular immunity**
Kayhan B., YAGER E. J., LANZER K., COOKENHAM T., JIA Q., WU T., WOODLAND D. L., SUN R., BLACKMAN M. A.
JOURNAL OF IMMUNOLOGY, vol.179, no.12, pp.8392-8402, 2007 (SCI-Expanded)
- VII. **Immunomodulatory therapeutic effect of glatiramer acetate on several murine models of inflammatory bowel disease**
AHARONI R., Kayhan B., BRENNER O., Domev H., Labunskay G., ARNON R.
JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS, vol.318, no.1, pp.68-78, 2006 (SCI-Expanded)
- VIII. **Infection of dendritic cells by a gamma 2-herpesvirus induces functional modulation**

FLANO E., Kayhan B., WOODLAND D. L., BLACKMAN M. A.

JOURNAL OF IMMUNOLOGY, vol.175, no.5, pp.3225-3234, 2005 (SCI-Expanded)

- IX. **Therapeutic effect of the immunomodulator glatiramer acetate on trinitrobenzene sulfonic acid-induced experimental colitis**
AHARONI R., Kayhan B., ARNON R.
INFLAMMATORY BOWEL DISEASES, vol.11, no.2, pp.106-115, 2005 (SCI-Expanded)
- X. **A DNA aptamer prevents influenza infection by blocking the receptor binding region of the viral hemagglutinin**
JEON S. H., Kayhan B., Ben-Yedidia T., ARNON R.
JOURNAL OF BIOLOGICAL CHEMISTRY, vol.279, no.46, pp.48410-48419, 2004 (SCI-Expanded)
- XI. **Can IL-2R alpha be a valuable marker along with CA 19-9 in the diagnosis of chronic pancreatitis and pancreatic cancer?**
Kayhan B., Kayhan B., AKDOGAN M.
INTERNATIONAL JOURNAL OF BIOLOGICAL MARKERS, vol.19, no.3, pp.196-202, 2004 (SCI-Expanded)
- XII. **Fc-dependent monoclonal IgG1-mediated suppression of antibody response**
Kayhan B., AYBAY C.
IMMUNOLOGICAL INVESTIGATIONS, vol.33, no.4, pp.367-383, 2004 (SCI-Expanded)
- XIII. **Glatiramer acetate-specific T cells in the brain express T helper 2/3 cytokines and brain-derived neurotrophic factor in situ**
AHARONI R., Kayhan B., Eilam R., SELA M., ARNON R.
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol.100, no.24, pp.14157-14162, 2003 (SCI-Expanded)
- XIV. **Glatiramer acetate (Copaxone (R)) regulates nitric oxide and related cytokine secretion in experimental autoimmune encephalomyelitis**
Kayhan B., AHARONI R., ARNON R.
IMMUNOLOGY LETTERS, vol.88, no.3, pp.185-192, 2003 (SCI-Expanded)
- XV. **Effect of mucosal immunomodulation with fed cholera toxin on healing of experimental colonic anastomosis**
KAPLAN M., MENTES B. B., TATLICIOGLU E., Kayhan B., AYBAY C.
DISEASES OF THE COLON & RECTUM, vol.45, no.6, pp.819-825, 2002 (SCI-Expanded)
- XVI. **Is hepatitis-B immunization effective during chronic liver fibrosis? Investigation of secretory and cellular immune responses on an experimental model**
KAYHAN B., Karaca Z. M., CANPOLAT GÖKÇE E., ERSAN V., GÜL M., YOĞLU S., YILMAZ S.
IMMUNOPHARMACOLOGY AND IMMUNOTOXICOLOGY, vol.45, no.1, pp.102-113, 1 (SCI-Expanded)

Articles Published in Other Journals

- I. **Influence of Lipoxin-A4 Treatment on Cytokine, Chemokine Genes Expression, and Phenotypic Distribution of Lymphocyte Subsets During Experimental Liver Fibrosis**
Karaca Z. M., Kurtoglu E. L., GÜL M., KAYHAN B.
EURASIAN JOURNAL OF MEDICINE, vol.54, no.1, pp.27-35, 2022 (ESCI)
- II. **False negative results in luminex panel reactive antibody identification assay: Should we be alert on them?**
Karaca Z. M., Ersan V., Kayhan B., Yilmaz S.
Annals of Medical Research, vol.28, no.3, pp.471-475, 2021 (Peer-Reviewed Journal)
- III. **The relationship between caspase-1 related inflammasome expression and serum inflammatory cytokine levels during acute brucellosis**
KARACA G., KARACA Z. M., KAYHAN B., BAYINDIR Y., Kayabas U., TOPLU S., ELMASDAG S., Onalan E., YEŞİLADA E.
NORTHERN CLINICS OF ISTANBUL, vol.6, no.2, pp.117-123, 2019 (ESCI)
- IV. **Solid Organ Transplant Alıcılarında Transplantasyon Öncesi Hazırlık ve Tanı Yöntemleri: Solid Organ**

Transplantasyonu İmmünolojisi

KAYHAN B.

Türkiye Klinikleri Enfeksiyon Hastalıkları, vol.10, no.2, pp.162-172, 2017 (Peer-Reviewed Journal)

V. Merkezi Sinir Sisteminde İmmün Yanıt

KAYHAN B., GÜL M.

Türkiye Klinikleri Nöroşirürji, vol.6, no.1, pp.1-7, 2016 (Peer-Reviewed Journal)

VI. Mystery of Immune Response in Relapsed Brucellosis: Immunophenotyping and Multiple Cytokine Analysis

KAYHAN B., Kayabas U., Kolgelier S., OTLU B., GÜL M., KURTOĞLU E. L., BAYINDIR Y.

MEDITERRANEAN JOURNAL OF INFECTION MICROBES AND ANTIMICROBIALS, vol.5, 2016 (ESCI)

VII. The combined use of dimethyl sulfoxide with chemotherapeutics on bladder cell culture

Sözen S., Kayhan B., Bozkirli I., Yaman Ö., Tuncel A., Oğuzülgen I., Alkibay T.

Gazi Medical Journal, vol.12, no.2, pp.41-44, 2001 (Scopus)

VIII. The comparison of the effect of somatostatin and SMS 201-995 on enzyme change following endoscopic retrograde cholangiopancreatography

GORGUL A., Kayhan B., MENTES B., Kayhan B., AKI Z.

Gazi Medical Journal, vol.9, no.1, pp.9-13, 1998 (Scopus)

IX. Prophylactic effect of somatostatin on ERCP-induced pancreatitis

Gorgul A., Mentes B., Cindoruk M., Akcali Z., Dumlu S., Kayhan B., Kayhan B., Aybay C., Imir T.

Gazi Medical Journal, vol.7, no.4, pp.129-132, 1996 (Scopus)

Books & Book Chapters

I. İMMÜNOLOJİ

KAYHAN B.

in: Moleküler Hücre Biyolojisi, Geçkil H, Özmen M, Yeşilada Ö., Editor, Palme Yayın Dağıtım, New York, pp.656-756, 2011

Refereed Congress / Symposium Publications in Proceedings

I. Lipoxin A(4) Improves Ultrastructural View of Liver and Reduces Expression Levels of MKK4 and TGF-beta During Thioacetamide (TAA) Induced Fibrosis

KURTOĞLU E., KAYHAN B., GÜL M., KAYHAN B., Akdogan M., YILMAZ S.

68th Annual Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD) / Liver Meeting, Washington, Kiribati, 20 - 24 October 2017, vol.66

II. Attenuation of Antibody Response and Elevation of CD4(+)CD25(+)Foxp3(+) Treg cell Frequency During Chronic Liver Fibrosis

Canpolat E., Karaca M., Kayhan B., Kayhan B., Bayındır Y., Yılmaz S.

68th Annual Meeting of the American-Association-for-the-Study-of-Liver-Diseases (AASLD) / Liver Meeting, Washington, Kiribati, 20 - 24 October 2017, vol.66

III. Expression levels of inflammasome genes and Caspase 1 during acute brucellosis

KARACA G., KAYHAN B., TOPLU S., KAYABAŞ Ü., ELMASDAĞ Ş., OTLU B., BAYINDIR Y.

3rd Molecular Immunology and Immunogenetics (MIMIC 2016), Antalya, Turkey, 27 - 30 April 2016, vol.4, pp.33-34

IV. A DNA aptamer binds to hCD3 T lymphocytes and granulocytes but does not bind to hCD19 B lymphocytes

KAYHAN B., KURTOĞLU E. L.

3rd Molecular Immunology and Immunogenetics (MIMIC 2016), Antalya, Turkey, 27 - 30 April 2016, vol.4, pp.34

V. Expression levels of inflammasome genes and Capase 1 during acute brucellosis

Karaca G., KAYHAN B., Toplu S., KAYABAŞ Ü., Elmasdağ Ş., OTLU B., BAYINDIR Y.

3. 3rd International Molecular Immunology & Immunogenetics Congress MIMIC-III, Antalya, Turkey, 27 - 30 April 2016, vol.4, pp.33-34

VI. Sepsis ve ağır sepsisli hastalarda TREM-1, HLA-G5 ve HLA-DR5 düzeylerinin ve aralarındaki ilişkinin araştırılması

IŞIKBER G. G., BAYINDIR Y., KAYHAN B., KAYABAŞ Ü., YÜCEL N., MEMİŞOĞLU F., KÖSE A.

5. TÜRKİYE EKMUD BİLİMSEL PLATFORMU, İzmir, Turkey, 01 April 2015, pp.393

VII. SEPSİS VE AĞIR SEPSİSLİ HASTALARDA TREM-1, HLA-G5 VE HLA- DR DÜZEYLERİNİN VEARALARINDAKİ İLİŞKİNİN ARAŞTIRILMASI

IŞIKBER G. G., BAYINDIR Y., KAYHAN B., KAYABAŞ Ü., YÜCEL N., MEMİSOĞLU F., KÖSE A.

5. TÜRKİYE EKMUD BİLİMSEL PLATFORMU, Antalya, Turkey, 1 - 04 April 2015, pp.393

VIII. Therapeutic effect of TV-5010 on dextran sulfate sodium - Induced experimental

Aharoni R., Kayhan B., ARNON R.

Digestive Disease Week Meeting/107th Annual Meeting of the American-Gastroenterological-Association, Los-Angeles, Chile, 20 - 25 May 2006, vol.130

IX. Therapeutic effect of the immunomodulators glatiramer acetate and TV5010 on dextran sulfate sodium-induced experimental colitis.

AHARONI R., Kayhan B., ARNON R.

6th Annual Meeting of the Federation-of-Clinical-Immunology-Societies, San-Francisco, Costa Rica, 1 - 05 June 2006, vol.119

X. Secretion of brain-derived neurotrophic factor (BDNF), interleukin 10 and transforming growth factor beta by glatiramer acetate specific T-cells in the brain

AHARONI R., Kayhan B., SELA M., ARNON R.

56th Annual Meeting of the American-Academy-of-Neurology, San-Francisco, Costa Rica, 24 April - 01 May 2004, vol.62

Supported Projects

KAYHAN B., TUBITAK Project, Kronik Karaciğer Fibrozu Oluşturulan Genç ve Yaşlı Farelerde İnflamatuvar ve Anti-İnflamatuvar Sitokin Genlerinin İfade Edilme Düzeyinin Araştırılması, 2018 - Continues

KAYHAN B., KARACA G., Project Supported by Higher Education Institutions, Karaciğer Transplantasyonu Hastalarının Operasyon Öncesi ve Sonrasında, İnflamatuvar ve Anti-inflamatuvar Gen İfadelerinin İncelenmesi, 2020 - 2022

KAYHAN B., SÖNMEZ A., Project Supported by Higher Education Institutions, KRONİK KARACİĞER FİBROZU OLUŞTURULAN GENÇ ve YAŞLI FARELERDE KARACİĞER ve DALAK KEMOKİN GENLERİNİN İFADE EDİLME DÜZEYİNİN ARAŞTIRILMASI, 2018 - 2020

GÜL M., IŞIK B., PARLAKPINAR H., ÖZHAN O., AKPOLAT N., YILMAZ S., KAYHAN B., ERDEMLİ M. E., GÖZÜKARA BAĞ H. G., GÜL S., et al., Project Supported by Higher Education Institutions, Hepatektomi öncesi melatonin uygulamasının UW University of Wisconsin solüsyonunda karaciğerin korunması üzerine etkisi, 2018 - 2020

KAYHAN B., Project Supported by Higher Education Institutions, KARACİĞER FİBROZUNDA SİSTEMİK İMMÜN YANITIN YÖNLENDİRİLMESİ, 2016 - 2019

YEŞİLADA E., KAYHAN B., TUBITAK Project, Karaciğer Fibrozu Esnasında Lipoksin A4 ün Karaciğer Hücre Yenilenmesi ve İmmün Yanıt Üzerine Etkisinin Araştırılması, 2014 - 2016

KAYHAN B., TUBITAK Project, SIÇANLARDA FARKLI BESİNSEL YAĞLARIN POSTPRANDIAL İNFLAMASYON SİRKADYEN RİTME GÖRE KARŞILAŞTIRILMASI, 2013 - 2014

KAYHAN B., TUBITAK Project, Deksmetomidin in immün sisteme ve deneysel akut inflamatuvar barsak hastalığında sistemik ve lokal inflamatuvar yanıtı etkisi, 2010 - 2011

Patent

Kayhan B., Kurtoğlu E. L., Gül M., KARACIĞER FİBROZUNUN TEDAVİSİNDE LİPOKSİN A4 KULLANIMI, Patent, CHAPTER A Human Needs, The Invention Registration Number: TR 2016 13166 B , Standard Registration, 2019
KAYHAN B., NUCLEIC ACID MOLECULES, POLYPEPTIDES, ANTIBODIES AND COMPOSITIONS FOR TREATING AND DETECTING INFLUENZA VIRUS INFECTION, Patent, CHAPTER C Chemistry; Metallurgy, 2015
KAYHAN B., Cop 1 for inhibiting weight loss, inducing weight regain or reducing macroscopic colonic damage in severe crohn's disease, Patent, CHAPTER A Human Needs, 2013
KAYHAN B., COP 1 FOR TREATMENT OF INFLAMMATORY BOWEL DISEASES, Patent, CHAPTER A Human Needs, 2013

Memberships / Tasks in Scientific Organizations

Karacığer Nakli Derneği, Member, 2019 - Continues, Turkey
Türk İmmünoloji Derneği, Member, 2008 - Continues, Turkey
American Association of Immunology, Member, 2017 - 2020, United States Of America

Metrics

Publication: 45
Citation (WoS): 546
Citation (Scopus): 547
H-Index (WoS): 10
H-Index (Scopus): 10