



## Prof. Dr. MUSTAFA AYDIN BARLAS

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### EDUCATIONAL INFORMATION

| Degree            | University          | Department          | Year(s)     |
|-------------------|---------------------|---------------------|-------------|
| Bachelor's Degree | Istanbul University | Cerrahpasa Type Pr. | 1971 - 1977 |

### RESEARCH AREAS

pharmacology

### ACADEMIC DUTIES

| Duty                | University          | Area                                      | Year(s)     |
|---------------------|---------------------|-------------------------------------------|-------------|
| Professor           | Altinbas University | Department of Internal Medicine Sciences  | 2018 -      |
| Professor           | Istanbul University | Department of Internal Medicine Sciences  | 1995 - 2018 |
| Associate Professor | Istanbul University | Department of Internal Medicine Sciences  | 1989 - 1995 |
| Assistant Professor | Istanbul University | Department of Internal Medicine Sciences  | 1987 - 1989 |
| Research Assistant  | Georgia College     | Department of Pharmacology and Toxicology | 1983 - 1987 |

### ADMINISTRATIVE DUTIES

| Duty                      | University          | Year(s)     |
|---------------------------|---------------------|-------------|
| Head of Department        | Altinbas University | 2018 -      |
| Assistant Dean            | Istanbul University | 2001 - 2004 |
| Institute Deputy Director | Istanbul University | 1994 - 2000 |

### ACADEMIC AND PROFESSIONAL MEMBERSHIPS

| Organisation                     | Membership | Year(s) |
|----------------------------------|------------|---------|
| turkish pharmacology association | prof       | 1981 -  |

### NON-UNIVERSITY EXPERIENCE

| Country       | Organisation               | Duty          | Year(s)     |
|---------------|----------------------------|---------------|-------------|
| United States | medical college of georgia | posdoc fellow | 1983 - 1987 |

### BOOKS

### ARTICLES

#### Propofol but not dexmedetomidine produce locomotor sensitization via nitric oxide in rats

Uskur Tuğçe, ÖZÇETİN ŞENÖZ AYŞE, Çevreli Burcu, BARLAS MUSTAFA AYDIN, UZBAY İSMAİL TAYFUN  
Psychopharmacology, 2021

International DOI: 10.1007/s00213-020-05707-5

**ARTICLES****Correction to: Propofol but not dexmedetomidine produce locomotor sensitization via nitric oxide in rats**

ERDEM TUĞÇE BÜŞRA, ÖZÇETİN ŞENÖZ AYŞE, ÇEVRELİ BURCU, BARLAS MUSTAFA AYDIN, UZBAY İSMAİL TAYFUN

Psychopharmacology, 2020

International DOI: 10.1007/s00213-020-05724-4

**Dexmedetomidine induces conditioned place preference in rats: Involvement of opioid receptors**Uskur Tugce, BARLAS MUSTAFA AYDIN, AKKAN AHMET GÖKHAN, SHAHZADI ANDLEEB, UZBAY İSMAİL TAYFUN  
Behavioural Brain Research, 2016

International DOI: 10.1016/J.BBR.2015.09.017

**Dexmedetomidine induces conditioned place preference in rats: Involvement of opioid receptors**Tuğçe Uskur, BARLAS MUSTAFA AYDIN, AKKAN AHMET GÖKHAN, SHAHZADI ANDLEEB, UZBAY İSMAİL TAYFUN  
Behavioural Brain Research, 2016

International DOI: 10.1016/J.BBR.2015.09.017

**Dexmedetomidine induces conditioned place preference in rats: Involvement of opioid receptors**ERDEM TUĞÇE BÜŞRA, BARLAS MUSTAFA AYDIN, AKKAN AHMET GÖKHAN, SHAHZADI ANDLEEB, UZBAY İSMAİL TAYFUN  
Behavioural Brain Research, 2016

International DOI: 10.1016/j.bbr.2015.09.017

**Effects of antioxidants on post thawed bovine sperm and oxidative stress parameters Antioxidants protect DNA integrity against cryodamage**

ÇOYAN KENAN, BUCAK MUSTAFA NUMAN, TUNCER PÜRHAN BARBAROS, SARIÖZKAN SERPİL, BAŞPINAR NURİ, TAŞPINAR MEHMET, ÖZTUNA DERYA, PEKER AKALIN PINAR, AYDOS SENA, ILGAZ SEDA, SUNGUROĞLU ASUMAN, BÜYÜKLEBLEBİCİ SERHAT, BİLGİLİ ALİ

Cryobiology, 2010

International DOI: 10.1016/j.cryobiol.2010.09.001

**Renovascular Actions of Adenosine in the Isolated Perfused Rat Kidney: Possible Underlying Mechanisms**KÜÇÜKHÜSEYİN CİHAT, AKBAŞ N, SİLAN C, BARLAS MUSTAFA AYDIN, YILLAR DÜNDAR OKAN, SEÇKİN İ  
Journal of Basic and Clinical Physiology and Pharmacology, 2001

International DOI: 10.1515/jbcpp.2001.12.4.289

**Sensitivity of pancreatic substrates obtained from different species in islet cell antibody detection**

IŞITMANGİL GÜLBU, SATMAN İLHAN, KIRAN BAYRAM, BARLAS MUSTAFA AYDIN, DIŞÇI RİAN, YILMAZ MEHMET TEMEL

Medical Bulletin of Istanbul Medical Faculty, 1998

National

**Effect of theophylline in Chronic Obstructive Lung Disease**

UMUT S., YILDIRIM N., BARLAS AYDIN, ÖZÜNER Z.

international journal of clinical pharmacology and toxicology, 1992

International

**Venous blood histamine levels and effect of terfenadine in patients with bronchial hyperreactivity**UMUT SEMA, KOLDAŞ ZEHRA LALE, GEMİCİOĞLU BİLUN, Yıldırım Nurhayat, BARLAS MUSTAFA AYDIN, Özünür Zeki  
Int J Clin Pharmacol Ther Toxicol., 1992

International

**VENOUS BLOOD HISTAMINE LEVELS AND EFFECT OF TERFENADINE IN PATIENTS WITH BRONCHIAL HYPERREACTIVITY**

KOLDAŞ ZEHRA LALE, Gürsoy Melih, GEMİCİOĞLU BİLUN, YILDIRIM NURHAYAT, BARLAS MUSTAFA AYDIN, Özünür Zeki

Int J Clin Pharmacol Ther Toxicol, 1992

International

## ARTICLES

### Effect of theophylline in chronic obstructive lung disease

UMUT SEMA, GEMİCİOĞLU BİLUN, Yıldırım Nurhayat, BARLAS MUSTAFA AYDIN, Özün Zeki

Int J Clin Pharmacol Ther Toxicol., 1992

International

### EFFECT OF THEOPHYLLINE IN CHRONIC OBSTRUCTIVE LUNG DISEASE

UMUT SEMA, GEMİCİOĞLU BİLUN, YILDIRIM NURHAYAT, BARLAS MUSTAFA AYDIN, Zeki Özün

Int J Clin Pharmacol Ther Toxicol., 1992

International

### The Effect of Oral Sustained Release Theophylline on Respiratory Muscle Function and its Interaction with Nifedipine in Chronic Obstructive Lung Disease

UMUT S., GÜROCAK B., YILDIRIM N., ERTURAN S., ÖZÜNER Z., BARLAS AYDIN, AKKAN G., TEZCAN V., HACİBEKİROĞULLARI M., YENEL F.

TURK J. MED. BIOL. RES, 1990

National

### identification of T-kininogenase in rat and mouse submandibular glands

BARLAS MUSTAFA AYDIN

Adv.Exp.Med.Biol., 1989

International

### Oral Uzun Etkili Teofilin'in Kronik Obstrüktif Akciğer Hastalığında Serum Histamin ve Serotonin Düzeylerine Etkisi

GÜROCAK B., UMUT S., YILDIRIM N., ERTURAN S., ÖZÜNER Z., BARLAS AYDIN, GÜRSOY M., YENEL F.

SOLUNUM DERGİSİ, 1989

National

### ISOLATION OF A THIOL-ACTIVATED T-KININOGENASE FROM THE RAT SUBMANDIBULAR GLAND

BARLAS MUSTAFA AYDIN

FEBS LETTERS, 1987

International

### role of dipeptidyl peptidase iv in uptake of peptide nitrogen from b-casomorphin in rabbit renal BBM

BARLAS MUSTAFA AYDIN

american journal of physiology, 1987

International

### RELEASE OF T-KININ AND BRADYKININ IN CARAGEENIN INDUCED INFLAMMATION IN THE RAT

BARLAS MUSTAFA AYDIN, SUGIO KAZUO, GREENBAUM LOWELL M.

FEBS LETTERS, 1985

International

### T-KININOGEN-THE MAJOR PLASMA KININOGEN IN RAT ADJUVANT ARTHRITIS

BARLAS MUSTAFA AYDIN, OKAMOTO HIROCHI, GREENBAUM LOWELL M.

BBRC, 1985

International

## PROCEEDINGS

### The effect of Dexmedetomidine on morphine induced dependence in rats

USKUR B TUĞÇE, BARLAS MUSTAFA AYDIN, AKKAN AHMET GÖKHAN

5th International Regional (North America) ISBS Neuroscience and Biological Psychiatry "Stress and Behavior", 2015

International

### Role of L selectin VLA4 leukosialin and beta 1 integrin in different stages of autoimmune type 1 diabetes

Dervogormiyaciyan Hermine, Araslı Mehmet, Aydemir Deniz, Yıllar Gaye, DENİZ GÜNNUR, SATMAN İLHAN, GÜROL ALİ OSMAN, Aktaş Esin, TÜTÜNCÜ YILDIZ, BARLAS MUSTAFA AYDIN, YILMAZ MEHMET TEMEL

35th Annual Meeting of European Association for the Study of Diabetes (EASD), 1999

International

## PROCEEDINGS

### Increased Plasma Levels of T-Kininogen in Rats Treated with Freund's Adjuvant

BARLAS MUSTAFA AYDIN, OKAMOTO HIROCHI, GREENBAUM LOWELL M.

International Kinin Congress, 1984

International

## PROJECTS

### Bifenotipik Akut Lösemi Hastalarının Genetik Karakterizasyonu (Executive)

Scientific research project supported by Higher Education Institutions, 06.05.2022 -

National Continues

### Bifenotipik Akut Lösemi Hastalarının Genetik Karakterizasyonu (Executive)

Scientific research project supported by Higher Education Institutions, 06.04.2022 -

National Continues

## THESIS SUPERVISION

### Ketamin, propofol ve deksmedetomidin'in sıçanlarda duyarlılaşma gelişmesi üzerine etkilerinin açık alan lokomotor aktivite testi ile incelenmesi

TUĞÇE BÜŞRA ERDEM

2019 Doctorate

### Deksmedetomidin'in sıçanlarda morfin bağımlılığına ve morfin bağımlılığının nüksüne etkisinin değerlendirilmesi

TUĞÇE BÜŞRA USKUR

2014 Master's Degree

## COURSES

| Course Type       | Course Code | Course Name                                                  |
|-------------------|-------------|--------------------------------------------------------------|
| Bachelor's Degree | MED307      | CIRCULATORY AND RESPIRATORY SYSTEMS                          |
| Bachelor's Degree | MED304      | UROGENITAL SYSTEM DISEASES                                   |
| Bachelor's Degree | MED306      | GASTROINTESTINAL SYSTEM AND DISEASES                         |
| Bachelor's Degree | MED308      | NEUROLOGICAL SCIENCES, PSYCHIATRY AND MUSCULOSKELETAL SYSTEM |
| Bachelor's Degree | MED310      | PUBLIC HEALTH, FORENSIC MEDICINE, DEONTOLOGY, BIOSTATISTICS  |
| Bachelor's Degree | MED100-C3   | MOLECULAR AND CELLULAR MEDICAL SCIENCES COMMITTEE III        |
| Bachelor's Degree | MED100-C4   | MOLECULAR AND CELLULAR MEDICAL SCIENCES COMMITTEE IV         |
| Bachelor's Degree | MED300      | INTRODUCTION TO CLINICAL SCIENCES (BODY SYSTEM DISEASES)     |
| Bachelor's Degree | MED300-C3   | CIRCULATORY AND RESPIRATORY SYSTEMS COMMITTEE - III          |
| Bachelor's Degree | MED257      | MEDICAL SKILLS PRACTICES II                                  |

## PERSONAL INFORMATION

### CONTACT INFORMATION

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