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Eğitim Bilgileri

Tıpta Uzmanlık, Ankara Üniversitesi, Ankara Tıp Fakültesi, Türkiye 1986 - 1990

Lisans, Ankara Üniversitesi, Tıp Fakültesi, Tıp Pr., Türkiye 1980 - 1986

Yabancı Diller

İspanyolca, A1 Başlangıç

İngilizce, C1 İleri

Fransızca, A1 Başlangıç

Araştırma Alanları

Farmakoloji ve Klinik Farmakoloji

Akademik Unvanlar / Görevler

Prof. Dr., Ankara Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2000 - Devam Ediyor

Doç. Dr., Ankara Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1993 - 2000

Yrd. Doç. Dr., Ankara Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1990 - 1993

Öğretim Görevlisi Dr., Ankara Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1990 - 1990

Araştırma Görevlisi, Ankara Üniversitesi, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 1986 - 1990

Akademik İdari Deneyim

Ankara Üniversitesi, 2013 - 2016

Verdiği Dersler

Diüretik İlaçlar, Lisans, 2023 - 2024

Solunum sistemi farmakolojisi, Lisans, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009

Genel Farmakoloji, Lisans, 2017 - 2018

GENEL FARMAKOLOJİ (FARMAKODİNAMİK-FARMAKOKİNETİK), Lisans, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006

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- II. **Biased agonism at G protein-coupled receptors**
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- IV. **Vasopressin receptor 2 mutations in the nephrogenic syndrome of inappropriate antidiuresis show different mechanisms of constitutive activation for G protein coupled receptors**
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- VI. **A Unifying Approach to the Duality of "Energetic" Versus "Conformational" Formulations of Allosteric Coupling: Mechanistic Implications for GPCR Allostery**
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- VII. **What is biased efficacy? Defining the relationship between intrinsic efficacy and free energy coupling**
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- VIII. **Ligands Raise the Constraint That Limits Constitutive Activation in G Protein-coupled Opioid Receptors**
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JOURNAL OF BIOLOGICAL CHEMISTRY, cilt.288, sa.33, ss.23964-23978, 2013 (SCI-Expanded)
- IX. **Where have all the active receptor states gone?**
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- X. **Cell Contact-dependent Functional Selectivity of beta(2)-Adrenergic Receptor Ligands in Stimulating cAMP Accumulation and Extracellular Signal-regulated Kinase Phosphorylation**
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- XI. **Long and short distance movements of beta(2)-adrenoceptor in cell membrane assessed by photoconvertible fluorescent protein dendra2-beta(2)-adrenoceptor fusion**
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- XII. **beta(2)-Adrenoceptor, Gs and adenylate cyclase coupling in purified detergent-resistant, low density membrane fractions**
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- XIV. **Allosteric Coupling and Conformational Fluctuations in Proteins**
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- XIX. **Gs in the caveola is coupled to adenylyl cyclase but not to beta 2-adrenergic receptor**
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- XX. **Intramolecular network of allosteric connectivity in GPCR: an improved evolutionary method combined with molecular dynamic simulations**
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- XXII. **Partial rescue of functional interactions of a nonpalmitoylated mutant of the G-protein G alpha(s) by fusion to the beta-adrenergic receptor**
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- XXIII. **Correlation between affinity and efficacy - Response from Kenakin and Onaran**
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- XXIV. **The ligand paradox between affinity and efficacy: can you be there and not make a difference?**
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- XXV. **Agonist-directed trafficking explaining the difference between response pattern of naratriptan and sumatriptan in rabbit common carotid artery**
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- XXVI. **Quasi-irreversible binding of agonist to beta-adrenoceptors and formation of non-dissociating receptor-G(s) complex in the absence of guanine nucleotides**
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- XXVII. **Dietary selenium and vitamin E intakes alter beta-adrenergic response of L-type Ca-current and beta-adrenoceptor-adenylate cyclase coupling in rat heart**
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- XXVIII. **Receptor dimerization and Hill coefficients - Reply**
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- XXIX. **Ligand efficacy and affinity in an interacting 7TM receptor model**
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- XXX. **Pharmacokinetics of phenprobamate after oral administration to healthy subjects**
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- XXXI. **Opioid receptor ligands in human hepatic encephalopathy**
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- XXXII. **Ca²⁺-induced inhibition of adenylyl cyclase in turkey erythrocyte membranes**
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- XXXIII. **Decrease in apparent alpha(1)-adrenoceptor G protein coupling during maturation in rat aorta**
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- XXXIV. **The effects of verapamil and nimodipine on bupivacaine-induced cardiotoxicity in rats: An in vivo and in vitro study**
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- XXXVI. **Contribution of spontaneous beta-adrenoceptor activity in forskolin stimulated adenylyl cyclase activity in rat heart membranes.**
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- XXXVIII. **An efficacy-dependent effect of cardiac overexpression of beta(2)-adrenoceptor on ligand affinity in transgenic mice**
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- XL. **Pharmacokinetics of recombinant human erythropoietin in children with chronic renal failure**
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- XLI. **Agonist efficacy and allosteric models of receptor action**
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- XLIII. **Opioid ligands in human hepatic encephalopathy.**
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- XLV. **LYSOLIPIDS REVERSIBLY INHIBIT CA-2+-DEPENDENT, GTP-DEPENDENT AND PH-DEPENDENT FUSION OF BIOLOGICAL-MEMBRANES**
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- XLVI. **BETA-GAMMA SUBUNITS OF GUANINE NUCLEOTIDE-BINDING PROTEINS AND REGULATION OF SPONTANEOUS RECEPTOR ACTIVITY - THERMODYNAMIC MODEL FOR THE INTERACTION BETWEEN RECEPTORS AND GUANINE NUCLEOTIDE-BINDING PROTEIN SUBUNITS**
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- XLVII. **$\beta\gamma$ Subunits of guanine nucleotide-binding proteins and regulation of spontaneous receptor activity: Thermodynamic model for the interaction between receptors and guanine nucleotide-binding protein subunits**
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- XLVIII. **ACIDIC PH INDUCES FUSION OF CELLS INFECTED WITH BACULOVIRUS TO FORM SYNCYTIA**
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- XLIX. **DRUG EFFICACY AT GUANINE NUCLEOTIDE-BINDING REGULATORY PROTEIN-LINKED RECEPTORS - THERMODYNAMIC INTERPRETATION OF NEGATIVE ANTAGONISM AND OF RECEPTOR ACTIVITY IN THE ABSENCE OF LIGAND**
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- L. **ROLE OF ALPHA-ADRENOCEPTORS IN THE EFFECTS OF BUSPIRONE AND 5-CARBOXAMIDOTRYPTAMINE IN RABBIT ISOLATED THORACIC AORTA**
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- LI. **ATYPICAL SCHILD PLOTS WITH HISTAMINE H-1 RECEPTOR AGONISTS AND ANTAGONISTS IN THE RABBIT AORTA**
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- LII. **REGIONAL HISTAMINERGIC POTENCIES IN RABBIT SYSTEMIC CIRCULATION**
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- LIIL. **KINETICS OF ANTAGONISM AT HISTAMINE-H1 RECEPTORS IN ISOLATED RABBIT ARTERIES**
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- LIV. **HETEROGENEITY OF HISTAMINE H-2-RECEPTOR MEDIATED RESPONSES IN THE RABBIT AORTA**
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- LV. **A SEMI-ITERATIVE METHOD FOR DERIVATION OF CONCENTRATION-RESPONSE PARAMETERS**
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Kitap & Kitap Bölümleri

- I. **A Unifying Approach to the Duality of "Energetic" Versus "Conformational" Formulations of Allosteric Coupling: Mechanistic Implications for GPCR Allostery**
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- II. **Intramolecular dynamics and ligand-induced conformational changes: a stochastic model of receptor action**
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Cerrahi servislerdeki asansörlerden elde edilen bakterilerin tanımlanması ve antimikrobiyal duyarlılıkları**

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Desteklenen Projeler

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Bilimsel Dergilerdeki Faaliyetler

CELLULAR SIGNALLING, Özel Sayı Editörü, 2021 - 2021

Bilimsel Hakemlikler

NAUNYN-SCHMIEDEBERG'S ARCHIVES OF PHARMACOLOGY, SCI Kapsamındaki Dergi, Ekim 2023

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