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Eğitim Bilgileri

Doktora, University of South Florida, College Of Science And Arts , Chemistry , Amerika Birleşik Devletleri 1998 - 2003

Yüksek Lisans, University of South Florida, College Of Science And Arts , Chemistry , Amerika Birleşik Devletleri 1995 - 1997

Lisans, Orta Doğu Teknik Üniversitesi, Odtü, Kimya , Türkiye 1989 - 1993

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Mechanistic investigation of dinuclear peptidase from Streptomyces griseus and Alteromonas sp. by using alternative catalysis: transition-state analogue substrates as probes., University Of South Florida, Kimya, Biyokimya, 2003
Yüksek Lisans, Comparative proteolysis of the phosphagen kinases, University Of South Florida, Kimya, Biyokimya, 1997

Araştırma Alanları

Sağlık Bilimleri, Tıp, Temel Tıp Bilimleri, Biyokimya, Yaşam Bilimleri, Biyokimya, Enzimoloji, Kimya, Biyokimya, Protein Kimyası, Temel Bilimler

Akademik Unvanlar / Görevler

Yrd.Doç.Dr., Harvard University, Harvard Medical School, Department Of Medicine, 2014 - 2015

Okutman, Harvard University, Harvard Medical School, Department Of Medicine, 2011 - 2014

Araştırma Görevlisi, Harvard University, Harvard School of Public Health, Harvard Medical School, Department Of Medicine, 2007 - 2011

Araştırma Görevlisi, University of Oklahoma, Oklahoma Health Sciences Center, Department Of Biochemistry And Molecular Biology , 2003 - 2006

Araştırma Görevlisi, University of South Florida, Faculty Of Arts And Sciences, Chmistry, 1998 - 2003

Akademik İdari Deneyim

Abdullah Gül Üniversitesi, Yaşam ve Doğa Bilimleri Fakültesi, Moleküler Biyoloji ve Genetik, 2018 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. High-throughput characterization of the functional impact of IgG Fc glycan aberrancy in juvenile idiopathic arthritis
Cheng H. D., Stockmann H., Adamczyk B., McManus C. A., Ercan A., Holm I. A., Rudd P. M., Ackerman M. E., Nigrovic P. A.
GLYCOBIOLOGY, cilt.27, sa.12, ss.1099-1108, 2017 (SCI-Expanded)
- II. Expression Patterns of Bovine CD1 In Vivo and Assessment of the Specificities of the Anti-Bovine CD1 Antibodies
Thi Kim Anh Nguyen T. K. A. N., Reinink P., El Messlaki C., Im J. S., Ercan A., Porcelli S. A., Van Rhijn I.
PLOS ONE, cilt.10, sa.3, 2015 (SCI-Expanded)
- III. Congenital disorder of fucosylation type 2c (LADII) presenting with short stature and developmental delay with minimal adhesion defect
Dauber A., Ercan A., Lee J., James P., Jacobs P. P., Ashline D. J., Wang S. R., Miller T., Hirschhorn J. N., Nigrovic P. A., et al.
HUMAN MOLECULAR GENETICS, cilt.23, sa.11, ss.2880-2887, 2014 (SCI-Expanded)
- IV. Natural variation in Fc glycosylation of HIV-specific antibodies impacts antiviral activity
Ackerman M. E., Crispin M., Yu X., Baruah K., Boesch A. W., Harvey D. J., Dugast A., Heizen E. L., Ercan A., Choi I., et al.
JOURNAL OF CLINICAL INVESTIGATION, cilt.123, sa.5, ss.2183-2192, 2013 (SCI-Expanded)
- V. Characterization of Fibrinogen Glycosylation and Its Importance for Serum/Plasma N-Glycome Analysis
Adamczyk B., Struwe W. B., Ercan A., Nigrovic P. A., Rudd P. M.
JOURNAL OF PROTEOME RESEARCH, cilt.12, sa.1, ss.444-454, 2013 (SCI-Expanded)
- VI. Multiple Juvenile Idiopathic Arthritis Subtypes Demonstrate Proinflammatory IgG Glycosylation
Ercan A., Barnes M. G., Hazen M., Tory H., Henderson L., Dedeoglu F., Fuhlbrigge R. C., Grom A., Holm I. A., Kellogg M., et al.
ARTHRITIS AND RHEUMATISM, cilt.64, sa.9, ss.3025-3033, 2012 (SCI-Expanded)
- VII. Hypogalactosylation of serum N-glycans fails to predict clinical response to methotrexate and TNF inhibition in rheumatoid arthritis
Ercan A., Cui J., Hazen M. M., Bathiwala F., Royle L., Rudd P. M., Coblyn J. S., Shadick N., Weinblatt M. E., Gregersen P., et al.
ARTHRITIS RESEARCH & THERAPY, cilt.14, sa.2, 2012 (SCI-Expanded)
- VIII. Aberrant IgG Galactosylation Precedes Disease Onset, Correlates With Disease Activity, and Is Prevalent in Autoantibodies in Rheumatoid Arthritis
Ercan A., Cui J., Chatterton D. E. W., Deane K. D., Hazen M. M., Brintnell W., O'Donnell C. I., Derber L. A., Weinblatt M. E., Shadick N. A., et al.
ARTHRITIS AND RHEUMATISM, cilt.62, sa.8, ss.2239-2248, 2010 (SCI-Expanded)
- IX. Mechanistic role of each metal ion in Streptomyces dinuclear aminopeptidase: Peptide hydrolysis and $7 \times 10(10)$ -fold rate enhancement of phosphodiester hydrolysis
Ercan A., Tay W. M., Grossman S. H., Ming L.
JOURNAL OF INORGANIC BIOCHEMISTRY, cilt.104, sa.1, ss.19-29, 2010 (SCI-Expanded)
- X. A "moonlighting" zinc aminopeptidase from Streptomyces griseus: Mechanisms for peptide hydrolysis and the $4 \times 10(10)$ -fold acceleration of the alternative phosphodiester hydrolysis
Ercan A., Park H. I., Ming L.
BIOCHEMISTRY, cilt.45, sa.46, ss.13779-13793, 2006 (SCI-Expanded)
- XI. Molecular characterization of a novel UDP-galactose : fucoside alpha 3-galactosyltransferase that

- modifies Skp1 in the cytoplasm of Dictyostelium**
Ercan A., Panico M., Sutton-Smith M., Dell A., Morris H., Matta K., Gay D., West C.
JOURNAL OF BIOLOGICAL CHEMISTRY, cilt.281, sa.18, ss.12713-12721, 2006 (SCI-Expanded)
- XII. Kinetic analysis of a Golgi UDP-GlcNAc : polypeptide-Thr/Ser N-acetyl-alpha-glucosaminyltransferase from Dictyostelium**
Ercan A., West C.
GLYCOBIOLOGY, cilt.15, sa.5, ss.489-500, 2005 (SCI-Expanded)
- XIII. The Skp1 prolyl hydroxylase from Dictyostelium is related to the hypoxia-inducible factor-alpha class of animal prolyl 4-hydroxylases**
VAN DER WEL H., Ercan A., WEST C. M.
JOURNAL OF BIOLOGICAL CHEMISTRY, cilt.280, sa.15, ss.14645-14655, 2005 (SCI-Expanded)
- XIV. Specificity of a soluble UDP-galactose : fucoside alpha 1,3-galactosyltransferase that modifies the cytoplasmic glycoprotein Skp1 in Dictyostelium**
KETCHAM C., WANG F., FISHER S. Z., Ercan A., VAN DER WEL H., LOCKE R. D., Sirajud-Doulah K., MATTA K. L., WEST C. M.
JOURNAL OF BIOLOGICAL CHEMISTRY, cilt.279, sa.28, ss.29050-29059, 2004 (SCI-Expanded)
- XV. Iron(III)-Chelex resin complex as a prototypical heterogeneous catalyst for phosphodiester hydrolysis**
Lykourinou-Tibbs V., Ercan A., MİNG L. J.
CATALYSIS COMMUNICATIONS, cilt.4, sa.10, ss.549-553, 2003 (SCI-Expanded)
- XVI. Proteolytic susceptibility of creatine kinase isozymes and arginine kinase**
ERCAN A., Grossman S.
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, cilt.306, sa.4, ss.1014-1018, 2003 (SCI-Expanded)
- XVII. Remarkable enhancement of the hydrolyses of phosphoesters by dinuclear centers: Streptomyces aminopeptidase as a 'natural model system'**
Ercan A., PARK H. I., MİNG L. J.
CHEMICAL COMMUNICATIONS, sa.24, ss.2501-2502, 2000 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. IgG Fc Glycosylation Favoring Less Inflammatory Variants Is Regulated by Estradiol in Men**
ERCAN A., Yu E., Finkelstein J., Nigrovic P. A.
Eleventh Annual Interdisciplinary Women's Health Research Symposium, 6 - 07 Kasım 2014, cilt.23, ss.849-877
- II. Multiple Juvenile Idiopathic Arthritis Subtypes Demonstrate Pro-inflammatory IgG Glycosylation**
ERCAN A., Barnes M. G., Hazen M. M., Tory H., Henderson L., Dedeoglu F., Fuhlbrigge R. C., Grom A., Holm I. A., Kellogg M., et al.
Ninth Annual Interdisciplinary Women's Health Research Symposium, 15 - 16 Kasım 2012, cilt.21, ss.985-1013
- III. Juvenile idiopathic arthritis is associated with potentially pathogenic glycosylation of IgG**
ERCAN A., Hazen M. M., Son M. B., Kim S., Dedeoglu F., Sundel R. P., Fuhlbrigge R. C., Cui J., Shadick N. A., Weinblatt M. E., et al.
2011 Pediatric Rheumatology Symposium, 2 - 05 Haziran 2011, cilt.10, ss.5
- IV. Molecular Characterization of a Novel Cytoplasmic UDP-Gal : Fucoside 3-Galactosyltransferase that Modifies Skp1 in Dictyostelium**
ERCAN A., Smith M. S., Dell A., Morris H. R., Matta K. L., Gay D., West C. M.
THE 2005 MEETING OF THE SOCIETY FOR GLYCOBIOLOGY, 9 - 12 Kasım 2005, cilt.15, ss.1165-1255

Desteklenen Projeler

ERCAN A., Diğer Uluslararası Fon Programları, Endocrine regulation of IgG glycosylation in arthritis, 2012 - 2014
ERCAN A., Diğer Uluslararası Fon Programları, To evaluate the variation in IgG glycosylation in early ages and possible hormonal effect on IgG glycosylation among JIA patients., 2011 - 2013
ERCAN A., Diğer Uluslararası Fon Programları, Immunological mechanisms and rheumatic disease, 2008 - 2010
ERCAN A., Diğer Uluslararası Fon Programları, Cytosolic glycosylation, 2003 - 2006

Bilimsel Hakemlikler

Journal of Rheumatology, SCI Kapsamındaki Dergi, Aralık 2014
Journal of Rheumatology, SCI Kapsamındaki Dergi, Aralık 2014
Eylül 2014
Aralık 2013
Annals of the Rheumatic Diseases, SCI Kapsamındaki Dergi, Mart 2013
Scientific Reports, SCI Kapsamındaki Dergi, Ocak 2013
Eylül 2012
Arthritis care and research, Diğer İndekslerce Taranan Dergi, Ağustos 2012
Journal of Rheumatology, SCI Kapsamındaki Dergi, Ağustos 2011

Metrikler

Yayın: 21
Atıf (WoS): 482
Atıf (Scopus): 446
H-İndeks (WoS): 10
H-İndeks (Scopus): 11