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### Eğitim Bilgileri

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

Yüksek Lisans, University Of South Florida, Collegue 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., Abdullah Gül Üniversitesi, Yaam Ve Dogan Bilimleri Fakültesi, Molekuler Biyoloji Ve Genetik, 2018 - Devam Ediyor

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 İndekslerine Giren Dergi)
- 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 İndekslerine Giren Dergi)
- 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 İndekslerine Giren Dergi)
- 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 İndekslerine Giren Dergi)
- 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 İndekslerine Giren Dergi)
- 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 İndekslerine Giren Dergi)
- 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. , Batliwalla 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 İndekslerine Giren Dergi)
- 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 İndekslerine Giren Dergi)
- IX. **Mechanistic role of each metal ion in Streptomyces dinuclear aminopeptidase: Peptide hydrolysis and 7 x 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 İndekslerine Giren Dergi)
- X. **A "moonlighting" dizinc aminopeptidase from Streptomyces griseus: Mechanisms for peptide hydrolysis and the 4x10(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 İndekslerine Giren Dergi)

- 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 İndekslerine Giren Dergi)
- 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 İndekslerine Giren Dergi)
- 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 İndekslerine Giren Dergi)
- XIV. **Specificity of a soluble UDP-galactose : fucoside alpha 1,3-galactosyltransferase that modifies the cytoplasmic glycoprotein Skp1 in Dictyostelium**  
KETCHAM C., WANG F., FİSHER 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 İndekslerine Giren Dergi)
- 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 İndekslerine Giren Dergi)
- 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 İndekslerine Giren Dergi)
- 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 İndekslerine Giren Dergi)

## **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**  
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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., Desteklenmiş Diğer Projeler, Endocrine regulation of IgG glycosylation in arthritis, 2012 - 2014  
ERCAN A., Desteklenmiş Diğer Projeler, To evaluate the variation in IgG glycosylation in early ages and possible hormonal effect on IgG glycosylation among JIA patients., 2011 - 2013  
ERCAN A., Desteklenmiş Diğer Projeler, Immunological mechanisms and rheumatic disease, 2008 - 2010  
ERCAN A., Desteklenmiş Diğer Projeler, 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

## **Atıflar**

Toplam Atıf Sayısı (WOS):467  
h-indeksi (WOS):10