

ÖZGEÇMİŞ

Adı Soyadı : **Altan Ercan**

Aldığı Akademik Unvanlar		
	Unvanı Aldığı Üniversite	Unvanı Aldığı Tarih
Dr. Öğr. Üyesi	Abdullah Gul Universitei	Mayis 2018
Dr. Öğr. Üyesi	Harvard Universitei	Mayis 2014
Doktora	University of South Florida, USA	Agustos 2003
YüksekLisans	University of South Florida, USA	Aralik 1997
Lisans	Orta Dogu Teknik Universitesi	Agustos 1993
Çalıştığı Kurumlar		Çalıştığı Tarihler
1. University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA		08/2003-06/2006
2. The Scripps Research Institute, Tampa, FL, USA		07/2006-07/2007
3. Harvard Medical School, Boston, MA, USA		10/2007-06/2015
4. Utopicpharma LLC		07/2015-08/2016
Akademik Görevler		
1. Postdoctoral Fellow (08/2003-06/2006) 2. Postdoctoral Fellow (07/2006-07/2007) 3. Postdoctoral fellow (10/2007-07/2011), Instructor (07/2011-05/2014), Assistant Professor (05/2014-06/2015) Associate Immunologist (07/2011- 06/2015) 4. Principle Investigator (07/2015-08/2016)		
Projeler		
1. Immunological mechanisms and rheumatic disease PI, Michael Brenner T32AR007530 award from NIH 2. IgG glycosylation in early ages and possible hormonal effect on IgG glycosylation among JIA patients Kelly Award for Juvenile Arthritis Research Arthritis National Research Foundation 3. Congenital disorder of fucosylation type 2c (LADII) 4. Characterization of the Anti-Bovine CD1 Antibodies 5. Endocrine regulation of IgG glycosylation in arthritis PI, Jill Goldstein 2K12HD051959 award from NIH 6. Cytosolic glycosylation 7. Enzymatic mechanism of glycosyltransferase 8. Peptide and phosphoester hydrolysis by the same enzyme, a peptidase 9. Proteolytic susceptibility of creatine kinase isozymes		
Yayınlanmış Makaleler		

A- Uluslararası

1. **Ercan A**, Park HI, Ming L-J. Remarkable enhancement of the hydrolyses of phosphoesters by dinuclear centers: *Streptomyces* aminopeptidase as a 'natural model system.' *Chem Commun* 2000;24:2501-2502.
2. Lykourinou-Tibbs V, **Ercan A**, Ming L-J. Iron(III)-chelex resin complex as a prototypical catalyst for phosphoester hydrolysis. *Catal Commun* 2003;4:549-553.
3. **Ercan A**, Grossman SH. Proteolytic susceptibility of creatine kinase isozymes and arginine kinase. *Biochem Biophys Res Commun* 2003 Jul 11;306(4):1014-1018.
4. Ketcham C, Wang F, Fisher SZ, **Ercan A**, van der Wel H, Locke RD, Siraud-Doulah K, Matta KL, West CM. Specificity of a soluble UDP-galactose:fucoside \square 1,3-galactosyltransferase that modifies the cytoplasmic glycoprotein Skp1 in dictyostelium. *J Biol Chem* 2004 May 3;279:29050-29059.
5. **Ercan A**, West CM. Kinetic analysis of a Golgi UDP-GlcNAc:polypeptide-Thr/Ser N-acetyl- α -glucosaminyltransferase from Dictyostelium. *Glycobiology* 2005 May;15(5):489-500.
6. van der Wel H, **Ercan A**, West CM. The Skp1 prolyl hydroxylase from Dictyostelium is related to the hypoxia-inducible factor- α class of animal prolyl 4-hydroxylases. *J Biol Chem* 2005 Apr 15;280(15):14645-14655.
7. **Ercan A**, Panico M, Sutton-Smith M, Dell A, Morris HR, Matta KL, Gay D, West CM. Molecular characterization of a novel cytoplasmic UDP-Gal:Fucoside \square 3-galactosyltransferase that modifies Skp1 in Dictyostelium. *J Biol Chem* 2006 May 5;281(18):12713-12721.
8. **Ercan A**, Park HI, Ming L-J. A "Moonlighting" dizinc aminopeptidase from *Streptomyces griseus*: mechanism for peptide hydrolysis and the 4×10^{10} -fold acceleration of the alternative phosphodiester hydrolysis. *Biochemistry* 2006 Nov 21;45(46):13779-13793.
9. **Ercan A**, Tay WM, Grossman SH, Ming L-J. Mechanistic role of each metal ion in *Streptomyces* dinuclear aminopeptidase: PEPTIDE hydrolysis and 7×10^{10} -fold rate enhancement of phosphodiester hydrolysis. *J Inorg Biochem* 2010 Jan;104(1):19-29.
10. **Ercan A**, Cui J, Chatterton DEW, Deane KD, Hazen MM, Brintnell W, O'Donnell CI, Derber LA, Weinblatt ME, Shadick NA, Bell DA, Cairns E, Solomon DH, Holers VM, Rudd PM, Lee DM. Aberrant IgG galactosylation precedes disease onset, correlates with disease activity, and is prevalent in autoantibodies in rheumatoid arthritis. *Arthritis Rheum* 2010 Aug;62(8):2239-48.
11. **Ercan A**, Cui J, Hazen MM, Batliwalla F, Royle L, Rudd PM, Coblyn M, Shadick N, Weinblatt ME, Gregersen P, Lee DM, Nigrovic PA. Hypogalactosylation of serum N-glycans fails to predict clinical response to methotrexate and TNF inhibition in rheumatoid arthritis. *Arthritis Res Ther* 2012 Mar 5;14(2):R43.
12. **Ercan A**, Hazen MM, Tory H, Henderson L, Dedeoglu F, Fuhlbrigge RC, Grom A, Holm I, Kellogg M, Kim S, Rudd P, Spigarelli M, Son MB, Sundel RP, Glass DN, Thompson SD, Nigrovic PA. Multiple juvenile idiopathic arthritis subtypes demonstrate proinflammatory IgG glycosylation. *Arthritis Rheum* 2012 Sep;64(9):3025-3033.
13. Adamczyk B, Struwe WB, **Ercan A**, Nigrovic PA, Rudd PM. Characterization of fibrinogen glycosylation and its importance for serum/plasma N-glycome analysis. *J Proteome Res* 2013 Jan 4;12(1):444-454.
14. Ackerman ME, Crispin M, Yu X, Baruah K, Boesch AW, Harvey DJ, Dugast AS, Heizen EL, **Ercan A**, Choi I, Streeck H, Nigrovic PA, Bailey-Kellogg C, Scanlan C, Alter G. Natural variation in Fc glycosylation of HIV-specific antibodies impacts antiviral activity. *J Clin Invest* 2013 May 1;123(5):2183-92.
15. Dauber A, **Ercan A**, Lee J, James P, Jacobs PP, Ashline DJ, Wang SR, Miller T, Hirschhorn JN, Nigrovic PA, and Sackstein R. Congenital disorder of fucosylation type 2c (LADII) presenting with short stature and developmental delay with minimal adhesion defect. *Hum Mol Gen* 2014 Jun 1;23(11):2880-7.
16. Nguyen TKA, Reinink P, El Messlaki C, Im JS, **Ercan A**, Porcelli SA, Van Rhijn I. Expression Patterns of Bovine CD1 In Vivo and Assessment of the Specificities of the Anti-Bovine CD1 Antibodies. *PLoS One*. 2015 Mar 27;10(3):e0121923. doi: 10.1371/journal.pone.0121923. eCollection 2015
17. **Ercan A**, Kohrt WM, Cui J, Deane KD, Pezer M, Yu EW, Hausmann JS, Campbell H, Kaiser UB, Rudd PM, Lauc G, Wilson JF, Finkelstein JS, Nigrovic PA. Estrogens regulate glycosylation of IgG in women and men. *JCI Insight*. 2017 Feb 23;2(4):e89703. doi: 10.1172/jci.insight.89703.

Bildiriler

A- Uluslararası

1. **Ercan A**, Cui J, Hazen MM, Batliwalla F, Royle L, Shadick NA, Weinblatt ME, Rudd PM, Gregersen P, Lee DM, Nigrovic P. Modulation of IgG galactosylation by Anti-Tumor Necrosis factor and Methotrexate treatment and their clinical implication. 2010. Glycobiology Meeting, St. Petersburg, FL.
2. **Ercan A**, Cui J, Hazen MM, Weinblatt ME, Shadick NA, Gozansky W, Holers VM, Deane KD, Lee DM, Nigrovic P (2010) Gender specific IgG glycosylation Conroys-BRI Center For Research on Women's Health & Gender Biology, Fall 2010 Workshop and Poster Session, Boston, MA.
3. **Ercan A**, Hazen M, Son MB, Kim S, Dedeoglu F, Sundel RP, Fuhlbrigge RC, Cui J, Shadick NA, Weinblatt ME, Spigarelli M, Glass DN, Thompson SD, Nigrovic PA. Juvenile Idiopathic Arthritis Is Associated with Potentially Pathogenic Glycosylation of IgG (plenary oral presentation). 2011. ACR/ARHP 2011 Pediatric Rheumatology Symposium (PRSYM), Miami, FL.
4. **Ercan A**, Barnes MG, Hazen M, Tory H, Henderson L, Dedeoglu F, Fuhlbrigge RC, Grom A, Holm IA, Kellogg M, Kim S, Adamczyk B, Rudd PM, Son MB, Sundel RP, Foell D, Glass DN, Thompson SD, Nigrovic PA. Multiple juvenile idiopathic arthritis subtypes demonstrate pro-inflammatory IgG glycosylation. 2012. 9th Annual Interdisciplinary Women's Health Research Symposium, Bethesda, MD.
5. **Ercan A**, Gozansky W, Yu E, Finkelstein J, Rudd P, and Nigrovic PA. Estradiol modulates IgG Fc glycosylation toward less inflammatory variants in both women and men. 2013. 10th Annual Interdisciplinary Women's Health Research Symposium, Bethesda, MD.

Kitaplar

A- Uluslararası

1. **Ercan A**. Thesis for M.Sc. "Comparative proteolysis of the phosphagen kinases." University of South Florida, Tampa, FL. 2003. QD31.2.Z7 E73 1997.
2. **Ercan A**. Thesis for Ph.D. "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, Tampa, FL. 2003. QD31.2.Z9 E73 2003.