

Prof. ABDULLAH YALÇIN

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International Researcher IDs

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Education Information

Doctorate, University of Louisville, School of Medicine, United States Of America 2002 - 2008

Doctorate, Bursa Uludağ University, Sağlık Bilimleri Enstitüsü, Biyokimya (Veteriner) (Dr), Turkey 1998 - 2002

Undergraduate, Bursa Uludağ University, Veteriner Fakültesi, Veteriner Pr., Turkey 1994 - 1998

Dissertations

Doctorate, Role of 6-Phosphofructo-2-Kinase (PFKFB3) in the Regulation of Cellular Proliferation, University of Louisville, Tıp Fakültesi Biyokimya Ve Moleküler Biyoloji, 2008

Doctorate, Nefritisli köpeklerin serum ve idrar protein fraksiyonlarının elektroforetik olarak ayrımı ve idrar proteinlerinin immüno blot tekniği ile incelenmesi, Bursa Uludağ University, Sağlık Bilimleri Enstitüsü, Biyokimya (Veteriner) (Dr), 2002

Research Areas

Health Sciences, Natural Sciences

Academic Titles / Tasks

Professor, Bursa Uludağ University, Veteriner Fakültesi, Veteriner Hekimliği Temel Bilimler Böl., 2018 - Continues

Associate Professor, Bursa Uludağ University, Veteriner Fakültesi, Veteriner Hekimliği Temel Bilimler Böl., 2011 - 2018

Research Assistant, Bursa Uludağ University, Veteriner Fakültesi, Veteriner Hekimliği Temel Bilimler Böl., 1998 - 2011

Courses

Biochemistry II, Undergraduate, 2016 - 2017, 2017 - 2018

Karbonhidratlar ve Metabolizması, Doctorate, 2017 - 2018

ADVISING THeses

Yalçın A., The role of 6-phosphofructo-2-kinase / fructose-2,6-bisphosphatase enzymes in epithelial-mesenchymal transition induced by transforming growth factor β -1, Doctorate, T.HAZAL(Student), 2020

Yalçın A., Role of PFKFB2 in the oncogenic transformation of pancreatic epithelial cells, Doctorate, S.CAN(Student), 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Overexpression of dual-specificity phosphatases 4 and 13 attenuates transforming growth factor β 1-induced migration and drug resistance in A549 cells in vitro**
GÜLER S., Altunok T. H. , Sarioglu A., ZIK B., Asmaz D., Kayapınar N., Sonmez O., Tepedelen B. E. , YALÇIN A.
Biochemical and Biophysical Research Communications, vol.606, pp.35-41, 2022 (Peer-Reviewed Journal)
- II. **Simultaneous inhibition of PFKFB3 and GLS1 selectively kills KRAS transformed pancreatic cells**
Ozcan S. C. , Mutlu A., Altunok T. H. , Gurpinar Y., Sarioglu A., GÜLER S., Muchut R. J. , Iglesias A. A. , ÇELİKLER KASIMOĞULLARI S., Campbell P. M. , et al.
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol.571, pp.118-124, 2021 (Peer-Reviewed Journal)
- III. **PFKFB2 regulates glycolysis and proliferation in pancreatic cancer cells**
Ozcan S. C. , Sarioglu A., Altunok T. H. , AKKOÇ A., GÜZEL S., GÜLER S., Imbert-Fernandez Y., Muchut R. J. , Iglesias A. A. , Gurpinar Y., et al.
MOLECULAR AND CELLULAR BIOCHEMISTRY, vol.470, pp.115-129, 2020 (Peer-Reviewed Journal)
- IV. **6-phosphofructo-2-kinase/fructose 2,6-bisphosphatase-3 is required for transforming growth factor beta 1-enhanced invasion of Panci cells in vitro**
YALÇIN A., Solakoglu T. H. , Ozcan S. C. , GÜZEL S., Peker S., ÇELİKLER KASIMOĞULLARI S., Balaban B. D. , Sevinc E., Gurpinar Y., Chesney J. A.
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol.484, no.3, pp.687-693, 2017 (Peer-Reviewed Journal)
- V. **6-Phosphofructo-2-kinase (PFKFB3) promotes cell cycle progression and suppresses apoptosis via Cdk1-mediated phosphorylation of p27**
YALÇIN A., Clem B. F. , Imbert-Fernandez Y., Ozcan S. C. , Peker S., O'Neal J., Klarer A. C. , Clem A. L. , Telang S., Chesney J.
CELL DEATH & DISEASE, vol.5, 2014 (Peer-Reviewed Journal)
- VI. **Cytochrome c oxidase is activated by the oncoprotein Ras and is required for A549 lung adenocarcinoma growth**
Telang S., Nelson K. K. , Siow D. L. , YALÇIN A., Thornburg J. M. , Imbert-Fernandez Y., Klarer A. C. , Farghaly H., Clem B. F. , Eaton J. W. , et al.
MOLECULAR CANCER, vol.11, 2012 (Peer-Reviewed Journal)
- VII. **A novel small molecule antagonist of choline kinase-alpha that simultaneously suppresses MAPK and PI3K/AKT signaling**
Clem B. F. , Clem A. L. , YALÇIN A., Goswami U., Arumugam S., Telang S., Trent J. O. , Chesney J.
ONCOGENE, vol.30, no.30, pp.3370-3380, 2011 (Peer-Reviewed Journal)
- VIII. **Relationship with gamma glutamyl transferase activity and glutaraldehyde coagulation test of serum immunoglobulin G concentration in newborn goat kids**
YALÇIN E., TEMİZEL E. M. , YALÇIN A., Carkungoz E.
SMALL RUMINANT RESEARCH, vol.93, no.1, pp.61-63, 2010 (Peer-Reviewed Journal)
- IX. **Selective inhibition of choline kinase simultaneously attenuates MAPK and PI3K/AKT signaling**
YALÇIN A., Clem B., Makoni S., Clem A., Nelson K., Thornburg J., Siow D., Lane A. N. , Brock S. E. , Goswami U., et al.
ONCOGENE, vol.29, no.1, pp.139-149, 2010 (Peer-Reviewed Journal)
- X. **Nuclear Targeting of 6-Phosphofructo-2-kinase (PFKFB3) Increases Proliferation via Cyclin-dependent Kinases**
YALÇIN A., Clem B. F. , Simmons A., Lane A., Nelson K., Clem A. L. , Brock E., Siow D., Wattenberg B., Telang S., et al.
JOURNAL OF BIOLOGICAL CHEMISTRY, vol.284, no.36, pp.24223-24232, 2009 (Peer-Reviewed Journal)

- XI. **Regulation of glucose metabolism by 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatases in cancer**
YALÇIN A., Telang S., Clem B., Chesney J.
EXPERIMENTAL AND MOLECULAR PATHOLOGY, vol.86, no.3, pp.174-179, 2009 (Peer-Reviewed Journal)
- XII. **Small-molecule inhibition of 6-phosphofructo-2-kinase activity suppresses glycolytic flux and tumor growth**
Clem B., Telang S., Clem A., Yalcin A., Meier J., Simmons A., Rasku M. A. , Arumugam S., Dean W. L. , Eaton J., et al.
MOLECULAR CANCER THERAPEUTICS, vol.7, no.1, pp.110-120, 2008 (Peer-Reviewed Journal)
- XIII. **Ras transformation requires metabolic control by 6-phosphofructo-2-kinase**
Telang S., YALÇIN A., Clem A. L. , Bucala R., Lane A. N. , Eaton J. W. , Chesney J.
ONCOGENE, vol.25, no.55, pp.7225-7234, 2006 (Peer-Reviewed Journal)
- XIV. **Targeted disruption of inducible 6-phosphofructo-2-kinase results in embryonic lethality**
Chesney J., Telang S., Yalcin A., Clem A., Wallis N., Bucala R.
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol.331, no.1, pp.139-146, 2005 (Peer-Reviewed Journal)
- XV. **Reference serum protein and lipoprotein fractions of ostriches (*Struthio camelus*) in Turkey**
Polat U., Cetin M., Turkyilmaz O., Yalcin A.
ONDERSTEPSOORT JOURNAL OF VETERINARY RESEARCH, vol.71, no.1, pp.77-79, 2004 (Peer-Reviewed Journal)
- XVI. **Electrophoretic separation of urine proteins of healthy dogs and dogs with nephropathy and detection of some urine proteins of dogs using immunoblotting**
Yalcin A., Cetin M.
REVUE DE MEDECINE VETERINAIRE, vol.155, no.2, pp.104-112, 2004 (Peer-Reviewed Journal)
- XVII. **Effects of dietary carnitine supplementation on plasma carnitine and some serum biochemical parameters in lambs**
Cetin M., Petek M., Polat U., Yalcin A.
REVUE DE MEDECINE VETERINAIRE, vol.154, no.3, pp.195-198, 2003 (Peer-Reviewed Journal)
- XVIII. **Blood biochemical parameters in fertile and repeat breeder cows**
Cetin M., Dogan İ., Polat U., Yalcin A., Turkyilmaz O.
INDIAN JOURNAL OF ANIMAL SCIENCES, vol.72, no.10, pp.865-866, 2002 (Peer-Reviewed Journal)

Articles Published in Other Journals

- I. **Upregulation of dual-specificity phosphatase-26 is required for transforming growth factor β 1(TGF β 1)-induced Epithelial-mesenchymal transition in A549 and PANC1 cells**
Yalçin A., Güler S., Zik B.
MOLECULAR BIOLOGY REPORTS, vol.29, no.1, pp.10-16, 2022 (Peer-Reviewed Journal)
- II. **Adiponectin and Its Protective Effects**
GÜZEL S., YALÇIN A.
Journal of Biological & Environmental Sciences, vol.6, no.17, pp.135-139, 2012 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Regulation of Tumor Cell Biology and Metabolism by 6-Phosphofructo-2-Kinases**
YALÇIN A.
7. Multidisipliner Kanser Araştırma ve 1. Temel Onkoloji Kongresi, İzmir, Turkey, 11 - 14 October 2018
- II. **Making insulin producing beta cells from mouse embryonic stem cells: new insight into treatment of diabetes mellitus**
GÜZEL S., Gürpınar y., ÖZCAN S. C. , YALÇIN A.
I. ULUSLARARASI VETERİNER BİYOKİMYA VE KLİNİK BİYOKİMYA KONGRES, 12 April 2018

- III. **PFKFB2: Different roles of distinct splices**
ÖZCAN S. C. , balaban b. D. , Solakoglu T. H. , GÜZEL S., Chesney J. A. , YALÇIN A.
ESMO Asia 2017, 17 - 19 November 2017, vol.28
- IV. **6 phosphofructo 2 kinase fructose 2 6 bisphosphatase 3 regulates the epithelial mesenchymal transition**
YALÇIN A., Sevinc E., GÜZEL S., ÖZCAN S. C. , McNally L., ŞAMLI H.
41st FEBS Congress, Kuşadası, Turkey, 3 - 08 September 2016, vol.283
- V. **Silencing of PFKFB2 reduces fructose 2 6 bisphosphate levels without affecting glycolysis in KRasG12V transformed pancreatic duct cells**
YALÇIN A., ÖZCAN S. C. , Campbell P. M. , Chesney J., GÜZEL S., Sevinç E.
New Frontiers in Understanding Tumor Metabolism, 21 - 25 February 2016
- VI. **Tümör Hücrelerinde Slug Ekspresyonunun PFKFB2 Tarafından Regülasyonu**
YALÇIN A., ÖZCAN S. C. , SEViÇ E., GÜZEL S., CHESNEY J.
XXVII. ULUSAL BİYOKİMYA KONGRESİ, Turkey, 3 - 06 November 2015, vol.40
- VII. **Regulation of twist and slug by PFKFB2**
YALÇIN A., ÖZCAN S. C. , GÜZEL S., jason c.
European Cancer Congress, Vienna, Austria, 25 - 29 September 2015, vol.51, pp.5
- VIII. **A role for 6 phosphofructo 2 kinase in the epithelial mesenchymal transition of tumor cells**
YALÇIN A., ÖZCAN S. C. , GÜZEL S., Solakoğlu T. H. , ŞAMLI H., Chesney J.
EACR-AACR-SIC Special conference on Anticancer Drug Action and Drug Resistance: From Cancer biology to the clinic, 20 - 23 June 2015
- IX. **A role for 6 phosphofructo 2 kinase in the epithelial mesenchymal transition of tumor cells**
YALÇIN A., ÖZCAN S. C. , GÜZEL S., TUĞBA HAZAL S., JASON C.
EACR-AACR-SIC Anticancer Drug Action and Drug Resistance: from Cancer Biology to the Clinic, Flores, Guatemala, 20 - 23 June 2015
- X. **PFKFB2 ve PFKFB3 Enzimlerinin Kök Hücrelerin Pluripotentiği ve Farklılaşmasındaki Rollerini**
GÜZEL S., ÖZCAN S. C. , BELENLİ D., GÜRPINAR Y., YALÇIN A.
VII. Veteriner ve Klinik Biyokimya Kongresi, Samsun, Turkey, 28 - 30 May 2015
- XI. **6 phosphofructo 2 kinases in cellular proliferation and epithelial mesenchymal transition**
YALÇIN A.
EACR-sponsored 3rd Anticancer Agent Development Congress, 18 - 19 May 2015
- XII. **6 Fosfofrukto 2 kinaz Enzimlerinin Kök Hücre Biyolojisindeki Rolü**
GÜZEL S., ÖZCAN S. C. , BELENLİ D., YALÇIN A.
IV. Uludağ Üniversitesi Bilgilendirme ve ARGE Günleri, Bursa, Turkey, 11 - 13 November 2014
- XIII. **Tümör Hücrelerinde PFKFB3 Tarafından EMT Programının Regülasyonu**
BELENLİ D., GÜZEL S., ÖZCAN S. C. , SOLAKOĞLU T. H. , YALÇIN A.
Uludağ Üniversitesi IV. Bilgilendirme ve AR-GE Günleri, Bursa, Turkey, 11 - 13 November 2014
- XIV. **Tümör hücrelerinde PFKFB2 izoformları ve lokalizasyonları**
ÖZCAN S. C. , BELENLİ D., GÜZEL S., MEHMET TARHAN S., YALÇIN A.
Uludağ Üniversitesi IV. Bilgilendirme ve ARGE Günleri, Bursa, Turkey, 11 - 13 November 2014
- XV. **Fructose 2 6 bisphosphate links glucose to survival and growth**
YALÇIN A., Imbert Fernandez Y., Clem A., Oneal J., Telang S., Clem B., Chesney J.
Metabolism, Diet, and Disease: Cancer and Metabolism, 28 - 30 May 2014, vol.2, pp.5

Supported Projects

YALÇIN A., BAYRAM E., GÜZEL S., GÜLER S., Project Supported by Higher Education Institutions, Pankreatik Duktal Adenokarsinom Hücrelerinin Glutaminaz İnhibisyonuna Duyarlılığını Etkileyen Genlerin CRISPR/Cas9 Taraması ile Ortaya Çıkarılması, 2022 - Continues

GÜLER S., ZİK B., YALÇIN A., ÖZYİĞİT M. Ö. , ASMAZ E. D. , Project Supported by Higher Education Institutions, Farklı

Kanser Türlerinde Capsaicin'nin Kemoterapotiklerle Kombinasyonun in vitro ve in vivo Etkileri, 2020 - Continues
YALÇIN A., Güler S., Diril K., TÜBİTAK Project, Identification of Metabolic Genes That Exhibits Synthetic Lethal Interaction with 6-Phosphofructo-2-Kinase/Fructose-2,6-Bisphosphatase-2 in Pancreatic Ductal Adenocarcinoma Cells, 2022 - 2024
Yalçın A., TÜBİTAK Project, Pankreas Kanserinin Glutaminaz İnhibisyonuna Duyarlılığında 6-Fosfofrukto-2-Kinaz/Fruktoz-2,6-Bisfosfataz-2'nin Etkisinin Araştırılması, 2019 - 2022
Erbaykent Tepedelen B., Yalçın A., Güler S., Zık B., TÜBİTAK Project, Tgf- β Tarafından İndüklenen Emt'xxde Dusp'xxların Rolünün Araştırılması, 2018 - 2022
YALÇIN A., Project Supported by Higher Education Institutions, PFKFB2'nin Tümör Hücre Biyolojisindeki Rolünün Araştırılması, 2018 - 2020
Güler S., Yalçın A., Project Supported by Higher Education Institutions, Investigation of the Role of PFKFB2 in Tumor Cell Biology, 2017 - 2020
YALÇIN A., Project Supported by Higher Education Institutions, PFKFB3'ün Slug ile Etkileşiminin Araştırılması, 2015 - 2020
Yalçın A., Güzel S., Budak F., TÜBİTAK Project, ROLE OF PFKFB2 IN THE ONCOGENIC TRANSFORMATION OF PANCREATIC EPITHELIAL CELLS, 2014 - 2018
Cangül İ. T. , Yalçın A., Project Supported by Higher Education Institutions, PFKFB3 ün Slug ile Etkileşiminin Araştırılması, 2015 - 2017
GÜZEL S., CANGÜL İ. T. , YALÇIN A., ŞAMLI H., TÜBİTAK Project, Tümör Hücrelerinde PFKFB3 Tarafından ZEB1 Fonksiyonunun Regülasyonu, 2014 - 2017
Şamlı H., Güzel S., Yalçın A., Dinçel D., Project Supported by Higher Education Institutions, 6 Fosfofrukto 2 Kinaz İzoenzimlerinin Kök Hücre Biyolojisindeki Rolü, 2014 - 2016
YALÇIN A., Other Supported Projects, Activation of Cyclin Dependent Kinases by Fructose 2 6, 2011 - 2016
Yalçın A., Other Supported Projects, Investigation of the Role of PFKFB3 in EMT and Metastasis in NSCLC, 2013 - 2015
Yalçın A., FP7 Project, Role of PFKFB3 in The Regulation of the Cell Cycle and Tumorigenesis, 2010 - 2014
YALÇIN A., Other Supported Projects, Controlled Inhibition of the Glycolytic Pathway for Lung Cancer Targeted Therapy, 2010 - 2013
Yalçın A., TÜBİTAK Project, Investigation of the Role of 6-Phosphofructo-2-Kinase (PFKFB3) in Tumor Cell Biology, 2010 - 2012
YALÇIN A., Other Supported Projects, Role of Inducible 6 Phosphofructo 2 Kinase iPFK2 in Controlling Metabolic Flux and Growth Activated by Ras in Breast Adenocarcinomas, 2004 - 2007

Memberships / Tasks in Scientific Organizations

Association for Molecular Cancer Research, Board Member, 2021 - Continues, Turkey
European Association for Cancer Research, Member, 2005 - Continues, United Kingdom
Chemistry-Biology Research Group, Consultant, 2016 - 2019, Turkey

Metrics

Publication: 36
Citation (WoS): 1145
Citation (Scopus): 1208
H-Index (WoS): 12
H-Index (Scopus): 12