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International Researcher IDs

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Publons / Web Of Science ResearcherID: W-7938-2018

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Education Information

Doctorate, Acibadem Mehmet Ali Aydınlar University, Graduate School Of Health Sciences, Biyokimya Ve Moleküler Biyoloji (Dr), Turkey 2013 - 2018

Postgraduate, University Of Nottingham {England}, Kanser İmmünolojisi Ve Biyoteknoloji, United Kingdom 2011 - 2012

Undergraduate, Istanbul Technical University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, Turkey 2007 - 2011

Dissertations

Doctorate, Benign ve malign tiroid nodüllerinin proteomik profil farklılıklarının belirlenmesi, Acibadem Mehmet Ali Aydınlar University, Graduate School Of Health Sciences, Biyokimya Ve Moleküler Biyoloji (Dr), 2018

Postgraduate, Reciprocal Regulation of NK1R Isoforms in T cells, University Of Nottingham {England}, Kanser İmmünolojisi Ve Biyoteknoloji, 2012

Academic Titles / Tasks

Research Assistant, Acibadem Mehmet Ali Aydınlar University, Faculty Of Engineering and Natural Sciences, Biomedical Engineering, 2014 - 2018

Advising Theses

Uçal Y., Formalinle Fikse Edilmiş ve Parafine gömülmüş mide biyopsi örneklerinde MALDI görüntüleme yöntemi optimizasyonu, Postgraduate, B.Ergün(Student), Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Increased maternal leptin levels may be an indicator of subclinical hypothyroidism in a newborn.**
KARPUZOGLU H., UÇAL Y., Kumru P., Muhcu M., Eroglu M., Serdar M. A., SERTESER M., ÖZPINAR A.
Journal of medical biochemistry, vol.41, no.2, pp.156-161, 2022 (SCI-Expanded)
- II. **Zinc protoporphyrin levels in COVID-19 are indicative of iron deficiency and potential predictor of**

disease severity

Kilercik M., Uçal Y., Serdar M. A., Serteser M., Özpınar A., Schweigert F. J.

PLOS ONE, vol.17, no.2, 2022 (SCI-Expanded)

- III. **Association of maternal serum trace elements with newborn screening-thyroid stimulating hormone**
UÇAL Y., Serdar M. A., Akin-Levi C., Yildirim-Keles Z. Z., Turam C., Kumru P., Muhcu M., Eroglu M., AKSUNGAR F., ÖZPINAR A.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.45, no.5, pp.507-514, 2020 (SCI-Expanded)
- IV. **Progesterone at high doses reduces the growth of U87 and A172 glioblastoma cells: Proteomic changes regarding metabolism and immunity**
Altınöz M., Ucal Y., Yilmaz M., Kiris İ., Ozisik O., Sezerman U., Ozpinar A., Elmaci I.
CANCER MEDICINE, vol.9, no.16, pp.5767-5780, 2020 (SCI-Expanded)
- V. **Proteomics in thyroid cancer and other thyroid-related diseases: A review of the literature.**
Ucal Y., Ozpinar A.
Biochimica et biophysica acta. Proteins and proteomics, vol.1868, pp.140510, 2020 (SCI-Expanded)
- VI. **An Assessment of HbA1c in Diabetes Mellitus and Pre-diabetes Diagnosis: a Multi-centered Data Mining Study.**
Serdar M. A., Serteser M., Uçal Y., Karpuzoglu H., Aksungar F., Coşkun A., Kilercik M., Ünsal İ., Özpınar A.
Applied biochemistry and biotechnology, vol.190, pp.44-56, 2020 (SCI-Expanded)
- VII. **Peptide Profile Differences of Noninvasive Follicular Thyroid Neoplasm with Papillary-Like Nuclear Features, Encapsulated Follicular Variant, and Classical Papillary Thyroid Carcinoma: An Application of Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging.**
UÇAL Y., Tokat F., Duren M., Ince Ü., ÖZPINAR A.
Thyroid : official journal of the American Thyroid Association, vol.29, no.8, pp.1125-1137, 2019 (SCI-Expanded)
- VIII. **Investigating the peptide profile of noninvasive follicular thyroid neoplasm with papillary-like nuclear features (NIFTP): application of MALDI mass spectrometry imaging**
UÇAL Y., TOKAT F., Duren M., İNCE Ü., ÖZPINAR A.
FEBS OPEN BIO, vol.9, pp.402-403, 2019 (SCI-Expanded)
- IX. **Quality will determine the future of mass spectrometry imaging in clinical laboratories: the need for standardization**
UÇAL Y., COŞKUN A., ÖZPINAR A.
EXPERT REVIEW OF PROTEOMICS, vol.16, no.6, pp.521-532, 2019 (SCI-Expanded)
- X. **Cofilin-1 as a potential biomarker to evaluate acute kidney injury**
COŞKUN A., UÇAL Y., BERBER İ., ÇAKIR Ü., SERTESER M., Moldur D. E., Derelioglu E. I., Yozgatli T. K., ÖZPINAR A., Unsal I.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.44, no.1, pp.9-15, 2019 (SCI-Expanded)
- XI. **High Dose Progesterone Induces Growth Inhibition in Human U87 and A172 Glioblastoma Cell With Concomitant Changes in Mitochondrial and Cytoskeleton Proteins**
Altınöz M., Yılmaz C., Uçal Y., Özpınar A., Elmacı İ.
Neuro-Oncology, vol.20, pp.291-292, 2018 (SCI-Expanded)
- XII. **Improved spectra for MALDI MSI of peptides using ammonium phosphate monobasic in MALDI matrix**
UÇAL Y., ÖZPINAR A.
JOURNAL OF MASS SPECTROMETRY, vol.53, no.8, pp.635-648, 2018 (SCI-Expanded)
- XIII. **Exposure to Perchlorate in Lactating Women and Its Associations With Newborn Thyroid Stimulating Hormone**
Uçal Y., Sahin O. N., Serdar M. A., Blount B., Kumru P., Muhcu M., Eroglu M., Akin-Levi C., Keles Z. Z. Y., Turam C., et al.
FRONTIERS IN ENDOCRINOLOGY, vol.9, 2018 (SCI-Expanded)
- XIV. **Assessment of thyroid function during postpartum period with total thyroxine and total triiodothyronine levels measured by LC-MS/MS**
Gozet T., Serdar M. A., Akin-Levi C., UÇAL Y., ÖZPINAR A.
JOURNAL OF LIQUID CHROMATOGRAPHY & RELATED TECHNOLOGIES, vol.41, no.10, pp.698-704, 2018 (SCI-

Expanded)

XV. Clinical applications of MALDI imaging technologies in cancer and neurodegenerative diseases

Ucal Y., Durer Z. A., Atak H., Kadioglu E., Sahin B., COŞKUN A., BAYKAL A. T., ÖZPINAR A.

BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS, vol.1865, no.7, pp.795-816, 2017 (SCI-Expanded)

XVI. Reciprocal Regulation of Substance P and IL-12/IL-23 and the Associated Cytokines, IFN gamma/IL-17: A Perspective on the Relevance of This Interaction to Multiple Sclerosis

Vilisaar J., Kawabe K., Braitch M., Aram J., Furtun Y., Fahey A. J., Chopra M., Tanasescu R., Tighe P. J., Gran B., et al.

JOURNAL OF NEUROIMMUNE PHARMACOLOGY, vol.10, no.3, pp.457-467, 2015 (SCI-Expanded)

XVII. Serum vitamin B12 and folic acid reference ranges for functional Vitamin B12 deficiency

Ucal Y., SERTESER M., Unsal I., ÖZPINAR A., Serdar M. A.

ANNALS OF NUTRITION AND METABOLISM, vol.67, pp.263, 2015 (SCI-Expanded)

Articles Published in Other Journals

I. Tiroid Patolojisiinde Proteomik Yaklaşımlar

Uçal Y., Özpinar A.

Acıbadem Sağlık Bilimleri Dergisi, vol.10, no.3, pp.357-362, 2019 (Peer-Reviewed Journal)

II. Proteomic analysis reveals differential protein expression in variants of papillary thyroid carcinoma

Ucal Y., Eravci M., Tokat F., Duren M., Ince Ü., Ozpinar A.

EuPA Open Proteomics, vol.17, pp.1-6, 2017 (Scopus)

Books & Book Chapters

I. Serbest Radikaller ve Antioksidan Besinler

Uçal Y.

in: Harper'ın Resimli Biyokimyası, Doğan Yücel, Editor, Güneş Tıp Kitabevi, Ankara, pp.541-546, 2019

II. Glikoproteinler,

Uçal Y.

in: Harper'ın Resimli Biyokimyası, Doğan Yücel, Editor, Güneş Tıp Kitabevi, Ankara, pp.546-556, 2019

Refereed Congress / Symposium Publications in Proceedings

I. Formalinde Fikse Edilmiş Parafine Gömülü Endoskopik Biyopsi Örneğinin MALDI Görüntüleme Kütle Spektrometresi ile Peptit Profilinin Analizine Yönelik Örnek Hazırlama Basamaklarının Optimizasyonu

Ergün B., Öktem Okullu S., Tiftikçi A., Ince Ü., Özpinar A., Uçal Y.

3. Ulusal Proteomik Kongresi, İstanbul, Turkey, 27 - 29 February 2020, pp.37

II. Doku Proteomiğine Bakış: Güncel Durum ve Yeni Yaklaşımlar

Uçal Y.

3. Ulusal Proteomik Kongresi, İstanbul, Turkey, 27 - 29 February 2020, pp.29

III. Anne Sütünde Proteomik: Örnek Hazırlamada Optimizasyon

Yüksel B., Uçal Y., Özpinar A.

3. Ulusal Proteomik Kongresi, İstanbul, Turkey, 27 - 29 February 2020, pp.37

IV. Formalinde Fikse Edilmiş Parafine Gömülü Endoskopik Biyopsi Örneğinin MALDI Görüntüleme Kütle Spektrometresi ile Peptit Profilinin Analizine Yönelik Örnek Hazırlama Basamaklarının Optimizasyonu

Ergün B., ÖKTEM OKULLU S., TİFTİKÇİ A., İNCE Ü., Özpinar A., UÇAL Y.

3. Ulusal Proteomik Kongresi, İstanbul, Turkey, 27 February 2020

- V. **Investigating the peptide profile of noninvasive follicular thyroid neoplasm with papillary-like nuclear features (NIFTP): application of MALDI mass spectrometry imaging**
UÇAL Y., TOKAT F., DÜREN M., İNCE Ü., ÖZPINAR A.
The 44th FEBS Congress, Krakow, Poland, 6 - 11 July 2019
- VI. **Analysis of the Proteome Profile of High-Grade T1 Stage Bladder Tumor Tissues by LC-MS/MS**
Doğan T., Uçal Y., Akgün E., Özpinar A.
International Multidisciplinary Symposium on Drug Research and Development (DRD), Malatya, Turkey, 1 - 03 July 2019, pp.36
- VII. **Papiller Tiroid Karsinomunun Farklı Histopatolojik Varyantlarının Protein Profillerinin İncelenmesi**
UÇAL Y., ERAVCI M., TOKAT F., DÜREN M., İNCE Ü., ÖZPINAR A.
2. Ulusal Proteomik Kongresi, İstanbul, Turkey, 24 - 25 November 2017
- VIII. **Antiproliferative Effect of Progesterone in Glioblastoma Cell Lines: An Application of 2 Dimensional Gel Electrophoresis.**
Yılmaz M. C., Uçal Y., Kırış İ., Altınöz M., Özpinar A.
5th International Drug Design Congress, İstanbul, Turkey, 19 - 21 October 2017, pp.100
- IX. **Improved MALDI Spectra for Peptide Imaging Using Ammonium Salts in MALDI Matrix**
Uçal Y., Özpinar A.
OurCon V MALDI Imaging Mass Spectrometry Conference, Apeldoorn, Netherlands, 25 - 28 September 2017, pp.116
- X. **Proteomic differences in histopathological variants of papillary thyroid carcinoma.**
UÇAL Y., ERAVCI M., URAS C., YILMAZ M., KAYHAN K. C., TOKAT F., DÜREN M., İNCE Ü., ÖZPINAR A.
Proteomic Forum 2017 Annual meeting of the German Society for Proteome Research, Potsdam, Germany, 2 - 05 April 2017
- XI. **Proteomic Differences in Histopathological Variants of Papillary Thyroid Carcinoma**
Uçal Y., Tokat F., İnce Ü., Özpinar A.
Proteomic Forum 2017, Potsdam, Germany, 2 - 05 April 2017, pp.63-64
- XII. **Exposure to Perchlorate in Lactating Women and Its Associations with Newborn Health: Are newborns protected against NIS inhibitors in the first days of their lives?**
ATAN ŞAHİN Ö. N., UÇAL Y., SERDAR M. A., SERTESER M., ÖZPINAR A.
Excellence in Pediatrics, United States Of America, 8 - 10 December 2016
- XIII. **Peptide Imaging in Follicular and Classic Variant of Papillary Thyroid Carcinoma: An Application of MALDI-Imaging Mass Spectrometry**
Uçal Y., Kayhan C. K., Tokat F., Düren M., İnce Ü., Özpinar A.
86th Annual Meeting of the American Thyroid Association, Colorado, United States Of America, 21 - 25 September 2016, pp.17-18
- XIV. **Preliminary Information: Impact of Perchlorate Exposure on Thyroid Function**
Serdar M. A., Kumru P., Eroğlu M., Muhcu M., Akın C., Yıldırım Keleş Z., Uçal Y., Serteser M., Turam C., Ünsal İ., et al.
15th International Thyroid Congress, Florida, United States Of America, 18 - 23 October 2015, pp.365
- XV. **Analysis of Peptides in FFPE Tissues by High Resolution FT-ICR Mass Spectrometry Imaging**
Uçal Y., Gorzolka K., Walch A., Özpinar A.
OurCon II Imaging Mass Spectrometry Conference, Antalya, Turkey, 18 - 21 November 2014, pp.53

Supported Projects

Özpinar A., Serdar M. A., Kilercik M., Uçal Y., Schweigert F., Universities of Other Countries Supported Project, A possible link between blood pathologies COVID-19, 2020 - 2021

Tasks In Event Organizations

Uçal Y., Baykal A. T., Özpınar A., Coskun A., Serdar M. A., Serteser M., Aksungar F., X Annual Congress of the European Proteomics Association, Scientific Congress, İstanbul, Turkey, Haziran 2016

Uçal Y., Serteser M., Özpınar A., Baykal A. T., Coskun A., 1. Ulusal Proteomik Kongresi, Scientific Congress, Antalya, Turkey, Kasım 2014

Uçal Y., Özpınar A., Baykal A. T., Coskun A., OurCON II, Scientific Congress, Antalya, Turkey, Kasım 2014

Metrics

Publication: 48

Citation (WoS): 131

Citation (Scopus): 150

H-Index (WoS): 7

H-Index (Scopus): 8

Awards

Uçal Y., Participant at 70th Lindau Nobel Laureate Meeting, Council For The Lindau Nobel Laureate Meetings, June 2020

Özpınar A., İnce Ü., Uçal Y., Tokat F., Düren M., TÜBİTAK Proje Performans Ödülü (PPÖ) , Tübitak, February 2020

Uçal Y., Türk Biyokimya Derneği Prof. Dr. Nazmi Özer Bilim Ödülü, Türk Biyokimya Derneği, October 2019

Uçal Y., Tübitak Yayın Teşvik Ödülü (Ucal et al, Thyroid 2019), Tübitak, September 2019