

## Assoc. Prof. BEGÜM KOCATÜRK

### Personal Information

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### International Researcher IDs

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### Education Information

Post Doctorate, United States Of America 2018 - 2020

Post Doctorate, Turkey 2015 - 2018

Doctorate, Universiteit Leiden, Netherlands 2009 - 2015

Undergraduate, Ihsan Dogramaci Bilkent University, Faculty Of Science, Department Of Molecular Biology And Genetics, Turkey 2003 - 2008

### Research Areas

Oncology, Cardiovascular, Metabolism, Molecular Biology and Genetics

### Academic Titles / Tasks

Assistant Professor, Hacettepe University, Kanser Enstitüsü, Temel Onkoloji A.B.D., 2020 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **In silico analysis reveals PRDX4 as a prognostic and oncogenic marker in renal papillary cell carcinoma**  
KOCATÜRK B.  
Gene, vol.859, pp.147201, 2023 (SCI-Expanded)
- II. **Identification of thioredoxin domain containing family members' expression pattern and prognostic value in diffuse gliomas via in silico analysis**  
KOCATÜRK B.  
CANCER MEDICINE, vol.12, no.3, pp.3830-3844, 2023 (SCI-Expanded)
- III. **Editorial: Recent advances in pediatric inflammatory diseases**  
KOCATÜRK B., ÖZMEN F., Arditi M., ÖZEN S.  
Frontiers in Pediatrics, vol.11, 2023 (SCI-Expanded)
- IV. **MicroRNA-223 Regulates the Development of Cardiovascular Lesions in LCWE-Induced Murine Kawasaki Disease Vasculitis by Repressing the NLRP3 Inflammasome**  
Maruyama D., Kocaturk B., Lee Y., Abe M., Lane M., Moreira D., Chen S., Fishbein M. C., Porritt R. A., Rivas M. N., et al.  
FRONTIERS IN PEDIATRICS, vol.9, 2021 (SCI-Expanded)
- V. **Inositol-requiring enzyme-1 regulates phosphoinositide signaling lipids and macrophage growth**

Hamid S. M., Citir M., Terzi E. M., Cimen I., Yildirim Z., Dogan A. E., Kocaturk B., Onat U. I., Arditi M., Weber C., et al. EMBO REPORTS, vol.21, 2020 (SCI-Expanded)

- VI. **Interleukin-1 Beta-Mediated Sex Differences in Kawasaki Disease Vasculitis Development and Response to Treatment**  
Porritt R. A., Markman J. L., Maruyama D., Kocaturk B., Chen S., Lehman T. J. A., Lee Y., Fishbein M. C., Rivas M. N., Arditi M.  
ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY, vol.40, no.3, pp.802-818, 2020 (SCI-Expanded)
- VII. **Intercepting the Lipid-Induced Integrated Stress Response Reduces Atherosclerosis**  
Onat U. I., Yildirim A. D., Tufanli O., Cimen I., Kocaturk B., Veli Z., Hamid S. M., Shimada K., Chen S., Sin J., et al.  
JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY, vol.73, no.10, pp.1149-1169, 2019 (SCI-Expanded)
- VIII. **Targeting IRE1 with small molecules counteracts progression of atherosclerosis**  
Tufanli O., Akillilar P. T., Acosta-Alvear D., Kocaturk B., Onat U. I., Hamid S. M., Cimen I., Walter P., Weber C., Erbay E.  
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol.114, no.8, 2017 (SCI-Expanded)
- IX. **Prevention of atherosclerosis by bioactive palmitoleate through suppression of organelle stress and inflammasome activation**  
Cimen I., Kocaturk B., Koyuncu S., Tufanli O., Onat U. I., Yildirim A. D., Apaydin O., Demirsoy S., Aykut Z. G., Nguyen U. T., et al.  
SCIENCE TRANSLATIONAL MEDICINE, vol.8, no.358, 2016 (SCI-Expanded)
- X. **Alternatively spliced tissue factor synergizes with the estrogen receptor pathway in promoting breast cancer progression**  
Kocaturk B., Tiekens C., Vreeken D., Unlu B., Engels C. C., de Kruijff E. M., Kuppen P. J., Reitsma P. H., Bogdanov V. Y., Versteeg H. H.  
JOURNAL OF THROMBOSIS AND HAEMOSTASIS, vol.13, no.9, pp.1683-1693, 2015 (SCI-Expanded)
- XI. **Orthotopic Injection of Breast Cancer Cells into the Mammary Fat Pad of Mice to Study Tumor Growth**  
Kocaturk B., Versteeg H. H.  
JOVE-JOURNAL OF VISUALIZED EXPERIMENTS, no.96, 2015 (SCI-Expanded)
- XII. **Alternatively spliced tissue factor contributes to tumor spread and activation of coagulation in pancreatic ductal adenocarcinoma**  
Unruh D., Turner K., Srinivasan R., Kocaturk B., Qi X., Chu Z., Aronow B. J., Plas D. R., Gallo C. A., Kalthoff H., et al.  
INTERNATIONAL JOURNAL OF CANCER, vol.134, no.1, pp.9-20, 2014 (SCI-Expanded)
- XIII. **Alternatively spliced tissue factor promotes breast cancer growth in a beta 1 integrin-dependent manner**  
Kocaturk B., Van den Berg Y. W., Tiekens C., Mieog J. S. D., de Kruijff E. M., Engels C. C., van der Ent M. A., Kuppen P. J., Van de Velde C. J., Ruf W., et al.  
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol.110, no.28, pp.11517-11522, 2013 (SCI-Expanded)
- XIV. **Tissue factor-integrin interactions in cancer and thrombosis: every Jack has his Jill**  
Kocaturk B., Versteeg H. H.  
JOURNAL OF THROMBOSIS AND HAEMOSTASIS, vol.11, pp.285-293, 2013 (SCI-Expanded)
- XV. **Tissue factor isoforms in cancer and coagulation: May the best isoform win**  
Kocaturk B., Versteeg H. H.  
THROMBOSIS RESEARCH, vol.129, 2012 (SCI-Expanded)
- XVI. **Complete abolishment of coagulant activity in monomeric disulfide-deficient tissue factor**  
van den Hengel L. G., Kocaturk B., Reitsma P. H., Ruf W., Versteeg H. H.  
BLOOD, vol.118, no.12, pp.3446-3448, 2011 (SCI-Expanded)

- I. **Complement C3 deficiency exacerbates development of cardiovascular lesions in the LCWE-induced Kawasaki Disease Vasculitis**  
KOCATÜRK B., Lee Y., moreira d., lane m., Noval R. M., Arditi M.  
Immunology 2020, 8 - 12 May 2020
- II. **Blocking Tissue Factor signaling in breast cancer inhibits tumor metastasis**  
Unlu B., Kocaturk B., Ruf W., Versteeg H. H.  
9th International Conference on Thrombosis and Hemostasis Issues in Cancer (ICTHIC), Bergamo, Italy, 13 - 15 April 2018, vol.164
- III. **A bioactive lipid named Palmitoleate inhibits atherosclerosis via downregulation of ER stress and inflammasome activation.**  
KOCATÜRK B., Çimen İ., Tufanlı Ö., Koyuncu S., Apaydin O., Onat U. İ., Hotamışgil G. S., ERBAY E.  
Hacettepe 2nd lipid research workshop (HULİPAG), Turkey, 07 October 2017
- IV. **Nutritional modification of endoplasmic reticulum stress and inflammasome activity by a bioactive lipokine prevents atherosclerosis**  
Kocaturk B., Cimen I., Tufanlı O., Koyuncu S., Apaydin O., Onat U. I., Hotamislilgil G. S., Erbay E.  
41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.25
- V. **Alternatively spliced Tissue Factor fuels breast cancer growth by binding to a non-canonical site on beta1 integrins**  
KOCATÜRK B., van den berg Y. W., Tieken C., Kuppen P. J., ruf w., Reitsma P. H., Osanto S., Bogdanov V. Y., Versteeg H. H.  
XXIV ISTH Congress, 29 June - 04 July 2013, vol.11, pp.74
- VI. **Alternatively spliced tissue factor triggers breast tumor growth**  
Kocaturk B., Tieken C., Reitsma P. H., Bogdanov V. Y., Versteeg H. H.  
6th International Conference on Thrombosis and Hemostasis Issues in Cancer, Bergamo, Italy, 20 - 22 April 2012, vol.129
- VII. **Differential localization of full length tissue factor and alternatively spliced tissue factor in breast cancer cells**  
KOCATÜRK B., van den berg Y. W., Reitsma P. H., Bogdanov V. Y., Versteeg H. H.  
XXIII ISTH Congress, 23 - 27 July 2011, vol.9, pp.890

## Supported Projects

Demirkol Canlı S., Kocaturk B., Güner Gebeş G., Güdeloğlu A., Baydar D., TUBITAK Project, Evaluation of CSRP1 gene as a putative biomarker from clinical, functional and bioinformatic aspects, 2024 - 2027

KOCATÜRK B., Project Supported by Higher Education Institutions, Endoplazmik retikulum stres yöneticisi IRE1in bloklanarak pankreas kanserinin obezite üzerinden gelişiminin engellenmesi (3501 kariyer başlangıç projesi Tübitak projesine ek bütçe desteği), 2024 - 2024

## Metrics

Publication: 23

Citation (WoS): 378

Citation (Scopus): 393

H-Index (WoS): 10

H-Index (Scopus): 10

## Scholarships

Fulbright doktora sonrası araştırma bursu, Fulbright Program, 2018 - 2019  
Success Scholarship, University, 2007 - 2008