

## Asst. Prof. BEGÜM KOCATÜRK

### Personal Information

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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. **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 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)

VI. **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 (Journal Indexed in SCI)

VII. **Alternatively spliced tissue factor synergizes with the estrogen receptor pathway in promoting breast cancer progression**

Kocaturk B, Tieken C., Vreeken D., Unlu B., Engels C. C. , de Kruijf 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 (Journal Indexed in SCI)

VIII. **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 (Journal Indexed in SCI)

IX. **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 (Journal Indexed in SCI)

X. **Alternatively spliced tissue factor promotes breast cancer growth in a beta 1 integrin-dependent manner**

Kocaturk B., Van den Berg Y. W. , Tieken C., Mieog J. S. D. , de Kruijf 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 (Journal Indexed in SCI)

XI. **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 (Journal Indexed in SCI)

XII. **Tissue factor isoforms in cancer and coagulation: May the best isoform win**

Kocaturk B., Versteeg H. H.

THROMBOSIS RESEARCH, vol.129, 2012 (Journal Indexed in SCI)

XIII. **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 (Journal Indexed in SCI)

## **Refereed Congress / Symposium Publications in Proceedings**

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., Apaydın O., Onat U. İ. , Hotamışlıgil 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., Tufanli O., Koyuncu S., Apaydin O., Onat U. I. , Hotamisligil 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

## Citations

Total Citations (WOS):374

h-index (WOS):10

## Scholarships

Fulbright doktora sonrası araştırma bursu, Fulbright Program, 2018 - 2019

Success Scholarship, University, 2007 - 2008