

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

Under Graduate, 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 , 2020 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **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, 2020 (Journal Indexed in SCI)
- II. **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)
- III. **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)
- IV. **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)

- V. **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)
- VI. **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 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)
- VII. **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)
- VIII. **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)
- IX. **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 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)
- X. **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)
- XI. **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)
- XII. **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):280

h-index (WOS):9

Scholarships

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

Success Scholarship, University, 2007 - 2008