

Asst. Prof. MONA EL KHATİB

Personal Information

Email: mona.khatib@agu.edu.tr

Web: <https://avesis.agu.edu.tr/mona.khatib>

Address: Abdullah Gül Üniversitesi Yaşam ve Doğa Bilimleri Fakültesi Barbaros Mah. Erkilet Bulvarı Sümer Kampüsü 38080 Kocasinan/ Kayseri

Biography

Dr. Mona El Khatib received the B.Sc. and M.Sc. degree in Biology from American University of Beirut in 2007 and 2009, respectively. She was awarded a *summa cum laude* for her Ph.D. degree in Molecular Medicine from the Department of Gastroenterology, Hepatology and Endocrinology, Hannover Medical School in 2009. Prior to joining Abdullah Gül University as a faculty in the department of molecular biology and genetics in 2015, she worked as a Postdoc at the Department of Pediatric Hematology and Oncology at Hannover Medical School, Germany. Her research focuses on understanding the ability of cancerous cells to deregulate signals and become masters of their own destiny. Her lab performs oncogenic screenings that will help to decipher the role of recently found mutations in various cancers and study the molecular mechanisms that induce cellular transformation. After which, subsequent loss-of-function studies are performed, which allows the identification of novel targeted therapy approaches that will help cure cancer. Currently the focus of her studies is on acute myeloid leukemia (AML).

Education Information

Post Doctorate, Medizinische Hochschule Hannover, Pädiatrik Hematoloji Ve Onkoloji Bölümü, Pädiatrik Hematoloji Ve Onkoloji Bölümü, Germany 2012 - 2014

Doctorate, Medizinische Hochschule Hannover, Moleküler Tıp Bölümü, Moleküler Tıp Bölümü, Germany 2009 - 2012

Postgraduate, Amerikan Beirut Üniversitesi, Fen Edebiyat Fakültesi, Biyoloji Bölümü, Lebanon 2007 - 2009

Undergraduate, Amerikan Beirut Üniversitesi, Fen Edebiyat Fakültesi, Biyoloji Bölümü, Lebanon 2004 - 2007

Foreign Languages

Arabic, C1 Advanced

English, C1 Advanced

Certificates, Courses and Trainings

Health&Medicine, Stress Management, Medizinische Hochschule Hannover, 2011

Education Management and Planning, English Communication for Professionals, medizinische Hochschule Hannover, 2010

Other, Basics in Laboratory Animal Science and Preoperative Management, Medizinische Hochschule Hannover, 2009

Dissertations

Doctorate, Analysis of Sonic Hedgehog and Notch Signaling Pathways in the Carcinogenesis of Cholangiocarcinomas, Medizinische Hochschule Hannover, Gastroenteroloji, Hepatoloji Ve Endokrinoloji Bölümü, Gastroenteroloji, Hepatoloji Ve Endokrinoloji Bölümü, 2012

Postgraduate, Mechanisms of hypoxia selectivity and DNA damage of 2-benzoyl-6,7-dichloro-3-phenylquinoxaline 1,4-dioxide (DCQ) in human colon cancer cells, Amerikan Beirut Üniversitesi, Biyoloji Bölümü, Biyoloji Bölümü, 2009

Research Areas

Life Sciences, Molecular Biology and Genetics, Molecular Biology of Cancer, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Abdullah Gul University, Yaşam Ve Doğa Bilimleri Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2018 - Continues

Assistant Professor, Abdullah Gul University, Yaşam Ve Doğa Bilimleri Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2015 - 2018

Other, Medizinische Hochschule Hannover, Pediatrik Hematoloji Ve Onkoloji Bölümü, Pediatrik Hematoloji Ve Onkoloji Bölümü, 2012 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **miR-9 is a tumor suppressor in pediatric AML with t(8;21)**
Emmrich S, Katsman-Kuipers J. E., Henke K., Khatib M., Jammal R., Engeland F., DASCI F., ZWAAN C. M., DEN BOER M. L., VERBOON L., et al.
LEUKEMIA, vol.28, no.5, pp.1022-1032, 2014 (SCI-Expanded)
- II. **Capsaicin Treatment Attenuates Cholangiocarcinoma Carcinogenesis**
Wutka A., Palagani V., Barat S., Chen X., El Khatib M., Goetze J., BELAHMER H., ZENDER S., Bozko P., MALEK N. P., et al.
PLOS ONE, vol.9, no.4, 2014 (SCI-Expanded)
- III. **Combined inhibition of Notch and JAK/STAT is superior to monotherapies and impairs pancreatic cancer progression**
Palagani V., Bozko P., El Khatib M., Belahmer H., Giese N., Sipos B., MALEK N. P., PLENTZ R. R.
CARCINOGENESIS, vol.35, no.4, pp.859-866, 2014 (SCI-Expanded)
- IV. **Histone deacetylase inhibitors induce apoptosis in myeloid leukemia by suppressing autophagy**
Stankov M. V., El Khatib M., Thakur B. K., Heitmann K., Panayotova-Dimitrova D., Schoening J., BOURQUIN J. P., SCHWEITZER N., LEVERKUS M., WELTE K., et al.
LEUKEMIA, vol.28, no.3, pp.577-588, 2014 (SCI-Expanded)
- V. **Activation of Notch Signaling Is Required for Cholangiocarcinoma Progression and Is Enhanced by Inactivation of p53 In Vivo**
El Khatib M., Bozko P., Palagani V., Malek N. P., Wilkens L., Plentz R. R.
PLOS ONE, vol.8, no.10, 2013 (SCI-Expanded)
- VI. **A Critical Role for Notch Signaling in the Formation of Cholangiocellular Carcinomas**
Zender S., Nickenleith I., Wuestefeld T., Soerensen I., Dauch D., Bozko P., El-Khatib M., GEFFERS R., BEKTAS H., MANNS M. P., et al.
CANCER CELL, vol.23, no.6, pp.784-795, 2013 (SCI-Expanded)
- VII. **Inhibition of hedgehog signaling attenuates carcinogenesis in vitro and increases necrosis of cholangiocellular carcinoma**
El Khatib M., Kalnytska A., Palagani V., Kossatz U., Manns M. P., Malek N. P., Wilkens L., Plentz R. R.

HEPATOLOGY, vol.57, no.3, pp.1035-1045, 2013 (SCI-Expanded)

- VIII. **Epithelial Mesenchymal Transition and Pancreatic Tumor Initiating CD44+/EpCAM+ Cells Are Inhibited by gamma-Secretase Inhibitor IX**
Palagani V., El Khatib M., Kossatz U., Bozko P., Mueller M. R., Manns M. P., Krech T., MALEK N. P., PLENTZ R. R.
PLOS ONE, vol.7, no.10, 2012 (SCI-Expanded)
- IX. **Decrease of CD44-positive Cells Correlates with Tumor Response to Chemotherapy in Patients with Gastrointestinal Cancer**
Palagani V., El Khatib M., Krech T., Manns M. P., Malek N. P., Plentz R. R.
ANTICANCER RESEARCH, vol.32, no.5, pp.1747-1755, 2012 (SCI-Expanded)
- X. **Cell death by the quinoxaline dioxide DCQ in human colon cancer cells is enhanced under hypoxia and is independent of p53 and p21**
El-Khatib M., Geara F., Haddadin M. J., GALI-MUHTASIB H.
RADIATION ONCOLOGY, vol.5, 2010 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **The Fine Tuning of the Hedgehog and Autophagy Pathways to Combat Cholangiocarcinoma**
El Khatib M.
6.ULUSLARARASI KATILIMLI DENEYSEL HEMATOLOJİ KONGRESİ , Gaziantep, Turkey, 19 - 21 April 2019
- II. **The Fine Tuning of the Hedgehog and Autophagy Pathways to Combat Cholangiocarcinoma**
El Khatib M.
the 6th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 December 2018, pp.192-193
- III. **Poly(OEGMA)-b-Poly(4-VP) block copolymer nanocarriers for anticancer agent release**
AKŞİT N. N., TOPUZOĞULLARI M., İŞOĞLU İ. A., EL KHATİB M., DİNÇER İŞOĞLU S.
FEBS OPEN BIO, 7 - 12 July 2018, pp.476
- IV. **Capsaicin treatment targets hedgehog signalling And attenuates human cholangiocarcinoma Carcinogenesis**
Wutka A., Palagani V., EL KHATİB M., Belhamer H., Zender S., Bozko P., Malek N., Plentz R.
European Association for the Study of the Liver, London, United Kingdom, 9 - 13 April 2014
- V. **Analysis of the Notch signaling pathway in the Carcinogenesis of Cholangiocarcinoma**
EL KHATİB M., Palagani V., Kossatz-Boehlert U., Zender S., Manns M. P., Wilkens L., Malek N. P., Plentz R.
United European Gastroenterology Week (UEGW), Amsterdam, Netherlands, 20 - 24 October 2012, pp.80
- VI. **The Hedgehog signalling pathway: A novel therapeutic target for cholangiocellular carcinoma**
EL KHATİB M., Kalnytska A., Palagani V., Kossatz U., Manns M. P., Malek N. P., Wilkens L., Plentz R. R.
Viszeralmedizin, Hamburg, Germany, 19 - 22 September 2012, pp.1
- VII. **Constitutive activation of the Notch signaling pathway induces the formation of intrahepatic cholangiocellular carcinomas by deregulating cyclin E expression**
Zender S., Nickeleit I., EL KHATİB M., Geffers R., Geffers R., Chauhan S., Kubicka S., Bektas H., Bektas H., Manns M. P., et al.
European Association for the Study of the Liver (EASL), Berlin, Germany, 30 March 2012 - 03 April 2011
- VIII. **Blocking the hedgehog pathway attenuates carcinogenesis of cholangiocellular carcinoma**
EL KHATİB M., Kalnytska A., Palagani V., Wilkens L., Manns M. P., Malek N. P., Plentz R. R.
European Association for the Study of the Liver (EASL), Berlin, Germany, 30 March - 03 April 2011

Supported Projects

EL KHATİB M., TUBITAK Project, Akut Myeloid Lösemi Tedavisi İçin Hedgehog Ve Otofaji Yolaklarının Düzenlenmesi, 2017 - Continues

EL KHATİB M., Project Supported by Higher Education Institutions, The fine tuning of the Hedgehog and autophagy

Metrics

Publication: 18

Citation (WoS): 413

Citation (Scopus): 354

H-Index (WoS): 9

H-Index (Scopus): 9

Congress and Symposium Activities

Uluslararası Katılımlı Deneysel Hematoloji Kongresi, Attendee, Kayseri, Turkey, 2016

I. Yaşam Bilimleri Sempozyumu, Attendee, Kayseri, Turkey, 2016

Molekular Biyoloji ve Genetik Güncel Konular Sempozyumu, Attendee, Kayseri, Turkey, 2016

2.Hematogenetik Sempozyumu, Attendee, Gaziantep, Turkey, 2015

European Association for the Study of the Liver (EASL), Attendee, London, United Kingdom, 2014

United European Gastroenterology Week (UEGW), Attendee, Amsterdam, Netherlands, 2012

Viszeralmedizin, Attendee, Hamburg, Germany, 2012

European Association for the Study of the Liver (EASL), Attendee, Berlin, Germany, 2011

Scholarships

Stipendium, University, 2009 - Continues

Graduate assistantship, University, 2007 - Continues

Awards

EL KHATİB M., summa cum laude, Medizinische Hochschule Hannover (Hannover Biomedical Research School), November 2012

EL KHATİB M., Best Poster Prize, Falk Sempozyumu, April 2012