

## Res. Asst. PhD MEHMET KARA

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: HNR-2722-2023

ScopusID: 56257662100

Yoksis Researcher ID: 274613

### Education Information

Doctorate, University of Florida, Faculty Of Medicine , Molecular Genetics And Microbiology, United States Of America  
2011 - 2016

Postgraduate, University of Florida, Faculty Of Medicine, Molecular Genetics And Microbiology, United States Of America  
2009 - 2011

Undergraduate, Istanbul University, Faculty Of Science, Moleküler Biyoloji Ve Genetik Bölümü, Turkey 2003 - 2007

### Dissertations

Doctorate, TARGET IDENTIFICATION OF MHV68 MIRNAS IN LYTIC REPLICATION, LATENCY AND REACTIVATION AND CHARACTERIZATION OF A MIRNA-ANTISENSE LONG NONCODING RNA, University of Florida, 2016

Postgraduate, Testing a nonviral vector for its long term stability and replication ability, University of Florida, 2011

### Research Areas

Immunology, Virology, Genetic Engineering, Molekuler Biology of Cancer, Microbial Genetics

### Academic Titles / Tasks

Research Assistant PhD, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MOLEKÜLER BİYOLOJİ VE GENETİK, 2017  
- Continues

### Courses

Moleküler Viroloji, Undergraduate, 2022 - 2023, 2018 - 2019

Temel Molekuler Biyoloji Laboratuvarı I, Undergraduate, 2022 - 2023, 2018 - 2019

Molekuler Mikrobiyoloji, Undergraduate, 2018 - 2019, 2017 - 2018

Temel ve Molekuler Biyoloji Laboratuvarı II, Undergraduate, 2018 - 2019, 2017 - 2018

Molekuler Immunoloji, Undergraduate, 2018 - 2019, 2017 - 2018

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

- I. **Evaluation of immune sensor responses to a viral small noncoding RNA**  
KARA M., Tibbetts S. A.  
FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY, vol.14, 2024 (SCI-Expanded)
- II. **Validation and characterization of murine gammaherpesvirus 68 antisense transcripts by northern blot analysis and quantitative reverse transcription-PCR**  
Kara M.  
ARCHIVES OF BIOLOGICAL SCIENCES, vol.75, no.2, pp.16, 2023 (SCI-Expanded)
- III. **A Polymorphism in the Epstein-Barr Virus EBER2 Noncoding RNA Drives In Vivo Expansion of Latently Infected B Cells**  
Wang Y., Ungerleider N., Hoffman B. A., Kara M., Farrell P. J., Flemington E. K., Lee N., Tibbetts S. A.  
MBIO, vol.13, no.3, 2022 (SCI-Expanded)
- IV. **EBV miRNAs are potent effectors of tumor cell transcriptome remodeling in promoting immune escape**  
Ungerleider N., Bullard W., Kara M., Wang X., Roberts C., Renne R., Tibbetts S., Flemington E. K.  
PLOS PATHOGENS, vol.17, no.5, 2021 (SCI-Expanded)
- V. **Identification of murine gammaherpesvirus 68 miRNA-mRNA hybrids reveals miRNA target conservation among gammaherpesviruses including host translation and protein modification machinery**  
Bullard W. L., Kara M., Gay L. A., Sethuraman S., Wang Y., Nirmalan S., Esemeli A., Feswick A., Hoffman B. A., Renne R., et al.  
PLOS PATHOGENS, vol.15, no.8, 2019 (SCI-Expanded)
- VI. **Genome-wide Transcript Structure Resolution Reveals Abundant Alternate Isoform Usage from Murine Gammaherpesvirus 68**  
O'grady T., Feswick A., Hoffman B. A., Wang Y., Medina E. M., Kara M., Van Dyk L. F., Flemington E. K., Tibbetts S. A.  
CELL REPORTS, vol.27, no.13, pp.3988-4007, 2019 (SCI-Expanded)
- VII. **Viral FGARAT ORF75A promotes early events in lytic infection and gammaherpesvirus pathogenesis in mice**  
Van Skike N. D., Minkah N. K., Hogan C. H., Wu G., Benziger P. T., Oldenburg D. G., Kara M., Kim-Holzapfel D. M., White D. W., Tibbetts S. A., et al.  
PLOS PATHOGENS, vol.14, no.2, 2018 (SCI-Expanded)
- VIII. **A Gammaherpesvirus Noncoding RNA Is Essential for Hematogenous Dissemination and Establishment of Peripheral Latency**  
Feldman E. R., Kara M., Oko L. M., Grau K. R., Krueger B. J., Zhang J., Feng P., van Dyk L. F., Renne R., Tibbetts S. A.  
MSPHERE, vol.1, no.2, 2016 (SCI-Expanded)
- IX. **Virus-Encoded MicroRNAs Facilitate Gammaherpesvirus Latency and Pathogenesis In Vivo**  
Feldman E. R., Kara M., Coleman C. B., Grau K. R., Oko L. M., Krueger B. J., Renne R., van Dyk L. F., Tibbetts S. A.  
MBIO, vol.5, no.3, 2014 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Virüslerin kodladığı uzun ve kısa kodlamayan RNA'lar**  
Kara M.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.11, no.4, pp.2209-2224, 2023 (Peer-Reviewed Journal)
- II. **Design and generation of a mutant gammaherpesvirus encoding shRNA from its native viral tRNA promoter**  
Kara M., Tibbetts S. A.  
TRAKYA UNIVERSITY JOURNAL OF NATURAL SCIENCES, vol.24, no.1, pp.63-70, 2023 (ESCI)
- III. **Gammaherpesvirus Readthrough Transcription Generates a Long Non-Coding RNA That Is Regulated**

**by Antisense miRNAs and Correlates with Enhanced Lytic Replication In Vivo**

Kara M., O'Grady T., Feldman E. R., Feswick A., Wang Y., Flemington E. K., Tibbetts S. A.

Non-coding RNA, vol.5, no.1, pp.6, 2019 (ESCI)

## **Books & Book Chapters**

### **I. Long Non-Coding RNAs in Cancer**

Kara M., Tibbetts S. A.

in: Methods in Molecular Biology, Alfons Navarro, Editor, Springer Nature, New York, pp.243-253, 2021

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

### **I. Identification of Gammaherpesvirus Encoded miRNA Targets in Latency, Reactivation and Lytic Replication**

Kara M., Tibbetts S. A.

4th International congress on Applied Biological Sciences, Eskişehir, Turkey, 3 - 05 May 2018

### **II. Transcript resolution and functional characterization of a novel gammaherpesvirus long noncoding RNA**

KARA M., Tibbetts S. A.

Molbiotech, 25 - 27 April 2018

## **Metrics**

Publication: 16

Citation (WoS): 142

Citation (Scopus): 136

H-Index (WoS): 6

H-Index (Scopus): 7

## **Non Academic Experience**

University of Florida