Eleni Mijalis

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Education

8/2012 – 8/2016   **B.S. Biology, Minor: Computer Science**, *Texas A&M University*, College Station, TX, GPA: 3.97.
Honors Fellow, Summa Cum Laude

Research and Work Experience

6/2011 – 8/2015   **Student Researcher**, *LSUHSC*, Shreveport.
Researched effects of H_2S on leukocyte recruitment in type 1 diabetes under Dr. Christopher Kevil

6/2015 – 7/2017   **Programmer II**, *Center for Phage Technology*, Texas A&M University.
Developed bioinformatic tools and software for phage research under Dr. Ryland Young

Publications

Glawe JD, Mijalis EM, Davis WC. SDF-1-CXCR4 differentially regulates autoimmune diabetogenic T cell adhesion through ROBO1-SLIT2 interactions in mice. Diabetologia. 56(10):2222-30. 2013. PMID 23811810.

Mijalis EM, Lessor LE, Cahill JL, Rasche ES, Kuty Everett GF. Complete Genome Sequence of Klebsiella pneumoniae Carbapenemase-Producing K. pneumoniae Myophage Miro. Genome Announcements. 3(5). 2015. PMID 26430050.

Parvataneni S, Mijalis EM, Kuty Everett GF, Rasche ES, Liu M, Gill JJ. Complete Genome Sequence of Citrobacter freundii Myophage Mijalis. Genome Announcements. 5(31). 2017. PMID 28774966.

Hernandez-Morales A, Lessor L, Wood T, Migl D, Mijalis EM, Russell W, Young R, Gill JJ. Genomic and biochemical characterization of Acinetobacter podophage Petty reveals a novel lysis mechanism and tail-associated depolymerase activity. Journal of Virology. 2017. *In review.*

Kongari R, Rajaure M, Rasche ES, Mijalis EM, Berry J, Cahill J, Young R. Phage spanins: diversity, topological dynamics, and gene convergence. *In preparation.*

Honors

8/2012 – 8/2016   Texas A&M President's Endowed Scholarship recipient

6/2012   Poster presenter at American Diabetes Association meeting

2/2014   Facebook Hackathon winner in Austin, TX; won trip to Facebook headquarters for finals

3/2014   Hackerbowl winner at Texas A&M; http://devpost.com/software/face

8/2014   Geaux Hacks winner at LSU; http://devpost.com/software/sign2line-pofh7

9/2014   PennApps Health winner at University of Pennsylvania; http://devpost.com/software/idleguard

3/2015   Phi Kappa Phi College of Science Outstanding Junior

5/2015   Thomas S. Gathright Scholar Award recipient

8/2016   Gonfalonier for the College of Science graduation

Community Service and Leadership

1/2017 – 6/2017   Emergency Department volunteer at Baylor Scott & White Hospital in College Station, TX

4/2015 – 8/2016   Cofounder and Treasurer of TAMUHack, an annual 350+ person hackathon; `tamuhack.com`

8/2015 – 10/2015   Organizer and mentor for the Youth Halloween Half Hackathon, a programming event for children.

8/2013 – 11/2014   Bible study leader at Baptist Student Ministry

5/2013 – 6/2013   English teacher in inner city Bangkok, Thailand

Technical Skills

Research   Tissue culture, parallel plate flow chamber assay, T cell isolation

Programming   Python, BioPython, HTML/CSS, JavaScript, Django, AngularJS, LaTeX

Personal Information

I enjoy cycling, cooking, and programming in my spare time.