

Joanna Mantis Katsanos

Senior Instructor of Biology
Queens University of Charlotte
Charlotte, NC 28274

Educational Experience

- 1997-2000 Wake Forest University –Winston-Salem, NC, M.S. Biology
Master’s thesis: *The essential upstream sequence of the Arabidopsis thaliana Zinc Finger Protein 1 Gene, AtZFPI*
Thesis Advisor: Brian W. Tague, Ph.D.
- 1993-1997 Queens College - Charlotte, NC, B.S. Biology

Professional Experience

- 2004-present Senior Instructor, Queens University of Charlotte, Department of Biology
- 2002-2003 English Teacher, Dema English Language Private School, Greece
- 1997-2000 Graduate Teaching Assistant, Wake Forest University,
Department of Biology

Teaching Experience

- 2004-present Senior Instructor, Queens University of Charlotte
Courses Taught in Biology Department
- | | |
|----------|---|
| BIO 303 | Genetics |
| BIO 301 | Biology Roundtable |
| BIO 201 | Cellular and Molecular Foundations |
| BIO 330 | Microbiology |
| BIO 211 | Human Anatomy and Physiology I |
| BIO 212 | Human Anatomy and Physiology II |
| BIO 120 | Microbiology for Health Professions |
| BIOL 350 | Biotechniques |
| BIO 410 | Independent Study |
| BIO 402 | Advanced Cellular and Molecular Foundations |
- Courses taught in other departments:
- | | |
|----------|---|
| QLC 140 | Identity: Microbes, Infections and Probiotics |
| JBIP 122 | John Belk International Program Greek
Odyssey Study Tour Prep Course |

Academic and Professional Honors

- 2010 Queens University of Charlotte, William S. Lee Distinguished Professor Award

Undergraduate Mentoring

August 2016-May 2017

Faculty Advisor for Independent Research, Miranda Garrett, “Comparison of Efficacy of DNA from Feathers and Liver Tissue for the Molecular Sexing of Hawk Species.”

January 2015-April 2016

Faculty Advisor for Honors Thesis, Sydney Dishman, “Isolation and Genomic Annotation of the Novel *Bacillus thuringiensis* Bacteriophage, Rex 16.”

Service

2016-present	Royal Academic Advisor
2011-present	Academic Advisor for Biology majors
2015-present	Honor Council
2014-2015	Scholarship Committee
2012-2014	Institutional Review Board
2010-2012	Web and Technology Committee

Conferences and Workshops

December 2022	Quality Matters Training and Certification, Queens University of Charlotte
December 2016	SEA-PHAGES Bioinformatics Workshop, Howard Hughes Medical Institute SEA-PHAGES Program, Chevy Chase, MD
June 2016	SEA-PHAGES Phage Discovery Workshop, Howard Hughes Medical Institute SEA-PHAGES Program, Baltimore, MD.
April 2016	Association of Southeastern Biologists, Concord, NC

Professional Associations

Howard Hughes Medical Institute SEA-PHAGES
Association of Southeastern Biologists
National Science Teachers Association

Publications

Easterwood, J, Bethel, D, Kurikose, I, **Katsanos, J.** 2022. “The Genomic Characterization of Two *Microbacterium foliorum*- Specific Bacteriophages, QuadZero and AnnaLie.” Microbiology Resource Announcements 11(7): e0020822.

Katsanos, J, et al. Mycobacterium Phage Cheeto1, complete genome. GenBank Accession OP068339. National Center for Biotechnology. August 2022

Katsanos, J, et. al. Mycobacterium phage Katchan, complete genome. Genbank Accession MZ820084. National Center for Biotechnology Information. August 2021.

Katsanos, J, Ngene, C, Easterwood, J. 2020. Genome Sequences of two F1 subcluster bacteriophages, Burwell21 and Nivrat, isolated using the bacterial host *Mycobacterium smegmatis*. Microbiology Resource Announcements. 9(11): e01594-19.

Easterwood, J, Gase, H, Ngene, C, **Katsanos, J.** 2019. Genome Sequences of Mycobacteriophages Ebony and Holeinone. *Microbiology Resource Announcements*. 8(22): e00186-19.

Katsanos, J, et al. Mycobacterium Phage Dumpsterdude, complete genome. GenBank Accession MT024859. National Center for Biotechnology 2020.

Katsanos, J, et al. Mycobacterium Phage AnnaLie, complete genome. GenBank Accession MT818427. National Center for Biotechnology 2020.

Katsanos, J, et al. Mycobacterium Phage MCubed, complete genome. GenBank Accession MN096378. National Center for Biotechnology 2019.

Katsanos, J, et al. Mycobacterium Phage LilHomieP, complete genome. GenBank Accession MK937612. National Center for Biotechnology 2019.

Katsanos, J, et al. Mycobacterium Phage Ebony, complete genome. GenBank Accession MH338236. National Center for Biotechnology 2018.

Katsanos, J, et al. Mycobacterium Phage Burwell21, complete genome. GenBank Accession MH651169. National Center for Biotechnology 2018.

Katsanos, J, et. al. Mycobacterium phage CrystalP, complete genome. Genbank Accession KY319169. National Center for Biotechnology Information. 2016

Dishman, S, Easterwood, J., Rhodes, K, Wolyniak, M, **Katsanos, J.** 2017. “Isolation and Genomic Annotation of the Novel *Bacillus thuringiensis* Bacteriophage, Rex 16.” *QUEST Queens Undergraduate Research Journal*.

Hanauer, D., Graham, M., Hatfull, G., Betancur, L., Bobrownicki, A., Cresawn, S., Garlena, R., Jacobs-Sera, D., Kaufmann, N., Pope, W., Russell, D., Sivanathan, V., Asai, D., Hatfull, G. (# **Joanna Katsanos** contributing author). 2017. An Inclusive Research-Education Community (iREC): A model for student engagement in Science. *PNAS* 114(51): 13531-13536.

Tague, B.W. and **J. Mantis.** 2006. In planta *Agrobacterium*-mediated transformation by vacuum infiltration. *Arabidopsis Protocols*, 2nd ed. (J Salinas and JJ Sanchez-Serrano, eds). Humana Press, Totowa NJ.

Mantis, J. and B.W. Tague. 2000. Comparing the Utility of the b-glucuronidase and Green Fluorescent Protein for Detection of Weak Promoter Activity in *Arabidopsis thaliana*. *Plant Molecular Biology Reporter* 18:1-12.

Conference Participation

Kuriakose, I, **Katsanos, J,** Easterwood, J. “The Isolation and Annotation of Bacteriophages “MCubed” and “Nucci”.” 11th Annual SEA-PHAGES Symposium, Ashburn, VA. June 2019.

Jerez, O., Tubolino, S., Easterwood, J., Katsanos, J. “Queens University of Charlotte performed another “Nivrat” experiment along with “Burwell21”.” 10th Annual SEA-PHAGES Symposium, Ashburn, VA. June 2018.

Goodman, J. Thomas, J. **Katsanos, J.** “What’s on you? A comparison of microflora on various birds of prey.” Association of Southeastern Biologists Conference, Chattanooga, TN. April 2015.

Gase, H., Strickler, A., Ellis, C., Jerez, O., Ngene, C., Easterwood, J., Sipprell, A., Weir, S., **Katsanos, J.** “Queens University of Charlotte makes a ‘HoleInOne’ discovery with ‘Ebony’, isolating and annotating two bacteriophages.” 9th Annual SEA-PHAGES Symposium, Ashburn, VA. June 2017.

Garrett, M. **Katsanos, J.** “Development of a consistent protocol using feathers for the genetic sexing of raptors found in the Southeastern United States.” Association of Southeastern Biologist Conference, Montgomery, AL. April 2017.