



Achievements

Conference Presentations

1. The new paradigm shift in microbiology and immunology education in Azerbaijan Medical University Baku Azerbaijan: Nadeem Fazal, Shamsideen Ali, Dauda Sheriff, David Brewer, and Porscha Childs: Chicago State University College of Pharmacy.
2. Zermeno S., Aduamah G., Vang N., and Danquah M. (2019) In Vitro Analysis of Embelin in Combination with Afatinib for Treating Breast Cancer. AACP Annual Meeting, Chicago, IL (July 13-17)
3. Cinemimmunology-the use of cinema to learn immunology: Sana Siddiqui, Sandra Olk, Rashad Collier, and Nadeem Fazal: Chicago State University College of Pharmacy.
4. Z. Golden, E, Marticorena, M. Chammout, E. Grigoriou, M. P. Puglisi (2019) Settlement induction of surface associated bacteria by *Caulerpa* spp. fractions. 2019 Illinois LSAMP Symposium, Lisle, IL
5. Z. Golden, E, Marticorena, M. Ghazar, L. Purvis, M. Chammout, E. Grigoriou, M. P. Puglisi (2019) Adaptation of associated surface bacteria to *Caulerpa* spp. 2019 Illinois LSAMP Symposium, Lisle, IL
6. K. Patel, C. Alvarez, Alexander Ahern, Amanda Walker, Michael Danquah, and Melany P. Puglisi (2019) Development of an online educational tool to enhance learning in the biochemistry course sequence in the pharmacy curriculum. 2019 Illinois LSAMP Symposium, Lisle, IL
7. Othman T., Jarjes L., and Shahid M. (2019) Vitamin D Promotes Anti-inflammatory Phenotype as Oppose to Pro-inflammatory State of Macrophages. 2019 Experimental Biology Meeting, Orlando, FL

8. E. Grigoriou, Z. Golden, E. Marticorena, M. P. Puglisi, S. Carlson, S. Budzynski, J. Kwan. (2019) Chemical Mediation of the *Caulerpa* spp. Microbiome. American Society of Pharmacognosy Annual Meeting, Madison, WI.
9. M. P. Puglisi, S. Carlson, S. Budzynski, J. Kwan. (2019) Role of Caulerpin in Formation of the Microbiome of *Caulerpa* spp. International Society of Chemical Ecology, Atlanta, GA.
10. Z. Golden, E. Marticorena, M. Chammout, E. Grigoriou, M. P. Puglisi (2019) Settlement induction of surface associated bacteria by *Caulerpa* spp. fractions. 2019 Illinois LSAMP Symposium, Lisle, IL
11. Z. Golden, E. Marticorena, M. Ghazar, L. Purvis, M. Chammout, E. Grigoriou, M. P. Puglisi (2019) Adaptation of associated surface bacteria to *Caulerpa* spp. 2019 Illinois LSAMP Symposium, Lisle, IL
12. K. Patel, C. Alvarez, Alexander Ahern, Amanda Walker, Michael Danquah, and Melany P. Puglisi (2019) Development of an online educational tool to enhance learning in the biochemistry course sequence in the pharmacy curriculum. 2019 Illinois LSAMP Symposium, Lisle, IL
13. S. Mensah, J. Gentry, M. P. Puglisi, T. Petrova. (2018) Launch of an online educational tool to enhance learning in the biochemistry sequence in the pharmacy curriculum. Spring Symposium & Student Research Conference in Science, Technology, Engineering, and Mathematics, Lisle, IL **1st Place Graduate Student Poster Competition**
14. S. Carlson, A. Xu, J. Ross, T. Burghardt, S. French, I. Miller, M. Puglisi-Weening, W. Rose, and J. C. Kwan. (2017) Marine sponge-associated bacteria produce biofilm inhibitors in response to microbial community perturbations. American Society of Pharmacognosy Annual Meeting, Portland, OR
15. S. Budzynski, S. Carlson, T. Jurga, J. Kwan, M. P. Puglisi. (2017) Do caulerpin and its derivatives play a role in recruiting *Vibrio* spp. to the surface of *Caulerpa sertularioides*? American Society of Pharmacognosy Annual Meeting, Portland, OR
16. M.P. Puglisi, T. Petrova, M. Saeteurn, M. Gomez, T. Salim, N. Estvander, M. Nolan. (2017) Development of an online educational tool to enhance learning in the biochemistry course sequence in the pharmacy curriculum. Association of Biochemistry Educators, Clearwater, FL
17. B. Koo, R. Mendoza, M. P. Puglisi, A. Azab. (2017) Consumerism in pharmacy academia. Spring Symposium & Student Research Conference in Science, Technology,

Engineering, and Mathematics, Chicago, IL **1st Place Graduate Student Poster Competition**

18. S. Budzynski, S. Carlson, T. Jurga, J. Kwan, M. P. Puglisi. (2017) Bioassay-guided fractionation of the green feather alga *Caulerpa sertularioides* from the Florida Keys. Spring Symposium & Student Research Conference in Science, Technology, Engineering, and Mathematics, Chicago, IL

Capstone Projects

In May 2019, 100% of the graduating students completed a capstone research project, with resulted in 42 posters presented during the annual poster day symposium. Examples of posters presented included:

“Perceptions of interprofessional collaboration after participating in an interprofessional case workshop between pharmacy and medical students”

“Evaluation of beta-lactam allergy labels on antibiotic use”

“Association of pharmacy students' sleep quality and health status with their academic grades”

“User-driven development of a biochem app”

“Combination with Embelin and Afatinib for Breast Cancer Treatment”

“Investigating the Metabolites of *Caulerpa* sp. Involved in the Formation of the Microbiome”

"Implementation of an Educational Tool for the Biochemistry Course Sequence in a Pharmacy and Medical Curricula" **2019 Winner of Capstone Poster Award**

“Marine Algae as a Source for Novel Antimicrobial Metabolites” **2019 Winner of Capstone Poster Award**

“Marine Algae as a Source for Novel Antimicrobial Metabolites” **2019 Winner of Capstone Poster Award**

“Structure Elucidation and Activity Profile of a Bacterial Growth Promoting Compound from *Caulerpa* sp.”

“Launch of an Educational Tool for the Biochemistry Course Sequence in a Pharmacy Curriculum: Phase 4” **Winner of STEM Graduate Poster Award & 2018**

“Content Development of an Online Biochemistry Study Tool” **2017 Winner of Capstone Poster Award**

Published Book Reviews

1. E. Marticorena and **M. P. Puglisi**. Frontiers in Bioactive Compounds, Volume 2. At the Crossroads between Nutrition and Pharmacology. *J. Nat. Prod.*, 2018,

DOI: 10.1021/acs.jnatprod.8b00625.

2. S. Abdulrasoul and **M. P. Puglisi**. *Toxicology in the Middle Ages and Renaissance*. Edited by Philip Wexler. Academic Press, London, UK, 2017. Paperback, 192 pages, ISBN-13: 978-0128095546, 6 x 0.4 x 9 in. \$39.95. *J. Nat. Prod.* 2017, 80 (9); pp 2589–2589.

Book Chapters

P. N. Brown, M. Chan, J. Betz, M. Shahid, **S. Cannon, J. Palissery**, M. P. Puglisi. Regulation of Nutraceuticals in Canada and the United States. In: *Neutraceuticals and Human Health: The Food-to-Supplement Paradigm*. Ed.: P. A. Spagnuolo. Royal Society of Chemistry, projected October 2019.

Publications (student names highlighted)

1. M. P. Puglisi, C. L. Johnson, R. Vellurattil, J. Slonek, K. Mukherjee and **M. Wilcox**. Faculty/preceptor perception of the value of a fourth-year research project for doctor of pharmacy students. *Pharmacy Education*, 2018, 18, 217-223.

2. M. P. Puglisi, **M. Nolan**, T. Petrova, **T. Salim** and A. Ratka. Development of a mobile platform app for pharmacy biochemistry courses. *Pharmacy Education*, 2017, 17, 148.