

Undergraduate Researchers Wanted!



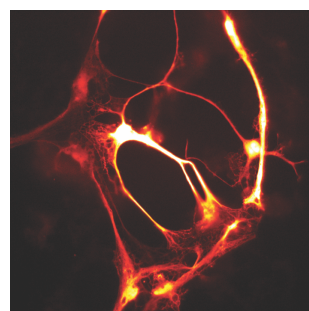
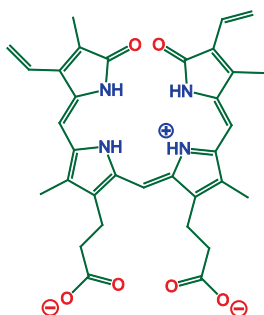
Join the Rodriguez Lab (Chemistry) & perform research to fluorescently image & treat cancer.



We are looking for freshman or sophomores interested in doing significant research during their undergraduate studies, including summers with possible funding.

Three undergraduate positions are available in Spring 2020:

- 1) Chemical synthesis of biliverdin analogs & protein modification.
- 2) Protein purification & protein nanoparticle synthesis.
- 3) Evolution of fluorescent proteins using molecular biology.



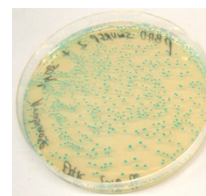
Current undergraduate students, JS. Hachey (Chemistry) & WJ. Conlon (Biology), are available for training during the Spring of 2020 and their *significant research* resulted in publications:

1) An, F., Chen, N., Conlon, WJ., Hachey, JS., Xin, J., Aras, O., Rodriguez, EA., & Ting, R. 2020. "Small ultra-red fluorescent protein nanoparticles as exogenous probes for noninvasive tumor imaging *in vivo*." *Int. J. Biol. Macromol.* Accepted Feb. 20, 2020. <https://doi.org/10.1016/j.ijbiomac.2020.02.253>

2) Maiti, A., Buffalo, CZ., Saurabh, S., Montecinos-Franjola, F., Hachey, JS., Conlon, WJ., Tran, GN., Drobizhev, M., Hughes, TE., Moerner, WE., Ghosh, P., Matsuo, H., Tsien, RY., Lin, JY., & Rodriguez, EA. "Crystal structure and biophysical characterization of the small ultra-red fluorescent protein evolved from a phycobiliprotein." Paper in preparation.

Paper includes two Chemistry Nobel Laureate authors.

More papers in the future.



Lab information can be found at https://blogs.gwu.edu/erik_rodriguez/

Please contact Professor Erik A. Rodriguez at erik_rodriguez@gwu.edu with resume and any questions.