

Undergraduate Medicinal Chemistry Neglected Disease Research Summer Internship Program 2018 May 30 – August 3, 2018



Summer Interns 2017

- ✧ **Why:** The Franciscan Institute for World Health (FIWH), in partnership with AbbVie and the Franciscan Institute for Science and Health (FISH), is co-ordinating and co-funding this unique, not-for-profit, learning opportunity for undergraduates exclusively for educational, humanitarian, and career learning purposes. In 2018, the program is inviting undergraduates from Augustana College, Ave Maria University, Beloit College, Bluffton University, Calvin College, Carleton College, Cornell College, Duquesne University, Franciscan University of Steubenville, Goshen College, Grinnell College, Harvard University, Hollins University, Illinois Wesleyan University, Manchester University, Saint Francis University, University of Dallas, West Virginia University, Wheaton College, and Wheeling Jesuit University.
- ✧ **What:** The internship, now in its seventh year, is a 10 week, 40 hour/week, intense experience of full-time collaborative research on Neglected Tropical Disease targets side-by-side with AbbVie Medicinal Chemists and Dr. Jeffrey Rohde (www.franciscan.edu/fiwh). Dr. Rohde is a previous Medicinal Chemist of nearly 13 years, current Professor of Chemistry at Franciscan University, and founder of the FIWH Neglected Disease Initiative and Summer Internship Program. The specific drug targets and collaborative projects for the summer will be determined in real time by AbbVie's strategic partnerships with organizations like the Drugs for Neglected Diseases *initiative* (DNDi) (www.dndi.org) and TBDA (TB Drug Accelerator). Interns will assume responsibility for a critical step in this global effort: preparing new small molecules as potential novel drug therapies. Immersed in a state-of-the art scientific environment, students will learn to conduct medicinal chemistry research, follow and evaluate experiments using spectroscopic services, record progress and results in an e-notebook, register compounds into AbbVie's compound repository, and regularly give updates on their efforts in team meetings. The summer will conclude for each intern with (1) a poster presentation to the larger company, (2) a PowerPoint presentation to the full project team, and (3) a performance evaluation of their summer work by their project supervisor.
- ✧ **Who:** Undergraduates at the invited institutions or by invitation are eligible to apply, including seniors committed to continued higher education in the sciences, who have or will have successfully completed a full year of introductory organic chemistry with lab before the summer of 2018. Preference will be given to Chemistry majors looking to enter graduate school or industry.
- ✧ **Where:** AbbVie, 1 N Waukegan Rd, North Chicago, Illinois 60064-1802 (halfway between Chicago, IL and Milwaukee, WI)
- ✧ **Additional Details:** Each intern will receive a \$2500 stipend, plus housing and essential transportation for the summer. Interns are responsible for transportation to and from Chicago.¹ Housing during the summer of 2017 was at the Margarita European Inn, Evanston, IL and will be determined for 2018 once interns have been selected. If there are any further questions, email jrohde@franciscan.edu.
- ✧ **How to apply:** Prospective candidates must submit a resume, a current transcript (unofficial or official, including spring 2018 courses), a statement of reason for applying (200-500 word essay), and 2 letters of recommendation (sent directly from the recommender) to jrohde@franciscan.edu. One of the letters of recommendation must be from one of the applicant's organic chemistry course instructors. The application period opens December 18, 2017 and all applications must be initiated on-line at www.franciscan.edu/fiwh. Review of complete application packages will begin on February 2, 2018.

Note: 1. If this responsibility is of significant concern or cause for hardship when considering applying for this internship, please contact Dr. Rohde immediately and directly by the email above to discuss further.