RESEARCH POSITIONS
IN BIOORGANIC CHEMISTRY
VALPARAISO UNIVERSITY

GENERAL DESCRIPTION AND LOCATION: The goal of this project is to chemically synthesize fluorescent non-natural amino acids and then to determine whether or not these amino acids can be incorporated into proteins. Normal proteins are made up from the 20 natural amino acids, just as this paragraph is made up from the 26 letters of the English language. The goal of this project is to introduce “glow-in-the-dark” Greek letters anywhere we chose in a protein. Such glowing proteins can be of great value in biomedical research.

REQUIREMENTS: You must have successfully completed a two semester of organic chemistry lecture and lab. A course in biochemistry will be helpful but is not essential. Training will be provided.

STIPEND: Each student will receive $3000 for 300 hours of research ($10 per hour). Housing will also be provided on VU’s campus.

APPLICATION: Available from Jennifer Cunningham (Jennifer.Cunningham1@valpo.edu), Prof. Leach (Katie.Leach@valpo.edu) and the MSEEED website (http://www.valpo.edu/mseed/current-students/).

DEADLINE: Review of applications begins Friday, 18 March 2016. Successful applicants will be notified by 1 April 2016. Please contact Dr. Thomas Goyne (Thomas.Goyne@valpo.edu, x5378; NSC-111) if you have any questions.