**Bowling Green State University
Fall 2016 Application for Assistantship**

**Department of Chemistry and Center for Photochemical Sciences**

We welcome your interest in the Department of Chemistry and Center for Photochemical Sciences graduate research in Photochemical Sciences at Bowling Green State University. The following questions will help us match your skills and research interests with potential faculty advisors.

1. Name E-mail address:
2. Briefly describe yourself in terms of: your background, what makes you a strong candidate for graduate studies and the reasons you are interested in pursuing a graduate degree at Bowling Green State University**.**
3. Rank the following areas of chemistry based on your level of skill and experience (**1 = Weak; 5 = Very strong**).

Biochemistry 1\_\_\_ 2\_\_\_ 3\_\_\_ 4\_\_\_ 5\_\_\_

Inorganic chemistry 1\_\_\_ 2\_\_\_ 3\_\_\_ 4\_\_\_ 5\_\_\_

Organic chemistry 1\_\_\_ 2\_\_\_ 3\_\_\_ 4\_\_\_ 5\_\_\_

Physical chemistry 1\_\_\_ 2\_\_\_ 3\_\_\_ 4\_\_\_ 5\_\_\_

Quantum/Computational chemistry 1\_\_\_ 2\_\_\_ 3\_\_\_ 4\_\_\_ 5\_\_\_

1. Select FIVE research areas that interest you as potential graduate research topics.

\_\_ Organic LED materials \_\_ Nanodots and Nanoparticles

\_\_ Chemosensors \_\_ Organocatalysis

\_\_ Electrochemistry \_\_ Metal Organic Frameworks (MOFs)

\_\_ Supramolecular chemistry \_\_ Structural bioinformatics

\_\_ Single-molecule spectroscopy \_\_ Electron transfer

\_\_ Computational photochemistry \_\_ Polymers

\_\_ Organic Photochemistry \_\_ Solid-state/Materials Chemistry

\_\_ Ultra-fast spectroscopy \_\_ Bioinorganic chemistry

\_\_ Biological photochemistry \_\_ Ultrafast Spectroscopy

\_\_ Organic Synthesis \_\_ Inorganic Synthesis

\_\_ Coordination Chemistry \_\_ X-ray Crystallography

1. Which professors are you interested in working with:

***Biochemistry Physical Chemistry***
\_\_ G. Bullerjahn \_\_ J. Cable
\_\_ N. Leontis \_\_ K. Glusac
\_\_ H. P. Lu \_\_ H. P. Lu
\_\_ A. Torelli \_\_ M. Olivucci
\_\_ R. M. Wilson \_\_ L. Sun

 \_\_ A. Tarnovsky

 ***Biology*** \_\_ M. Zamkov\_\_ G. Bullerjahn \_\_ A. Zayak
\_\_ Z. Xu
 ***Physics***
***Inorganic & Organometallic*** \_\_ F. Selim ***Chemistry*** \_\_ L. Sun
\_\_ J. Klosterman \_\_ M. Zamkov
\_\_ M. Ogawa \_\_ A. Zayak
\_\_ H. P. Lu
\_\_ A. Ostrowski
\_\_ A. Torelli

 ***Organic Chemistry***

 \_\_ P. Anzenbacher
\_\_ K. Glusac
\_\_ J. Klosterman
\_\_ M. Olivucci
\_\_ R. M. Wilson

1. Have you had previous research experience? If so, describe your project (research goals, your role(s), and results) Be sure to list any publications including authors, title, journal, year, issue/volume (include another page if necessary).