The Blue Waters Graduate Fellowship Program enables select graduate students from across the country to immerse themselves in a year of focused high-performance computing (HPC) research. The fellowships will empower these talented graduate students to advance their HPC knowledge while also providing them with time and support to accelerate their research.

The fellowships provide PhD students with a year of support, including a $38,000 stipend, up to $12,000 in tuition allowance, an allocation on the powerful Blue Waters petascale computing system at the National Center for Supercomputing Applications (NCSA), and funds to support travel to a Blue Waters-sponsored symposium.

Blue Waters is a truly extraordinary supercomputer, designed to handle the most compute-intensive, memory-intensive, and data-intensive challenges in computational science and engineering. Blue Waters features:

- Nearly 27,000 very high-performance computational nodes including more than 4,000 GPUs.
- More than 1.66 petabytes of memory.
- More than 25 usable petabytes of online disk storage.
- Up to 500 petabytes of near-line tape storage.

Researchers across the country are using Blue Waters to gain new understanding of how viruses attack our bodies, the formation of galaxies and of severe storms, space weather, sub-atomic physics and other challenging topics.

For the Fellowships, preference will be given to candidates engaged in a multidisciplinary research project that combines disciplines such as computer science, applied mathematics, and computational science applications. Applications will be evaluated based on:

- Academic record
- GRE score
- Related experience and service
- Research plan and its relationship to use of the Blue Waters supercomputer
- Letters of reference
- Applicants must be a U.S. Citizen or a permanent resident of the U.S. by the time of the application deadline

Applications, including all supporting materials, must be submitted no later than 9 pm EST on Feb. 3, 2014. Awards will be made in spring 2014, with the tuition allowance applied to the 2014-2015 academic year.

For complete eligibility and application details and to apply online, go to https://bluewaters.ncsa.illinois.edu/fellowships. Questions? Contact bwgf@ncsa.illinois.edu.