



# Ohio State HCS News

HORTICULTURE & CROP SCIENCE IN VIRTUAL PERSPECTIVE - THE OHIO STATE UNIVERSITY

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## Graduate Students Earn Associateship and Awards



Jing Luo, graduate student of Dr. John Cardina and Dr. David Tay earned the Charles E. Thorne Memorial Associateship from the OARDC.

Three outstanding Ohio State graduate students have been recognized for their research accomplishments and publications. Under the guidance of Horticulture & Crop Science faculty, Jing Luo, Min Gab Kim, and Brian Schutte have each performed excellent research and demonstrated the qualities required to be successful plant scientists.

**Jing Luo**, graduate student of **Dr. John Cardina** and **Dr. David Tay** recently earned the Charles E. Thorne Memorial Associateship for her research on "Phenotypic Plasticity as Indicator and Predictor of Nonindigenous Noxious Plants." A competitive award process, Luo's high grade point average, high GRE score and quality research project qualified her as the Horticulture & Crop Science candidate and earned her the prestigious \$16,000 associateship. Administered by the Ohio Agricultural Research and Development Center (OARDC), this award supports a M.S. or Ph.D. candidate at OSU who is in her/his second or succeeding year of their program and is given in memory of **Charles E. Thorne**, the Director of the Ohio Agricultural Experiment Station from 1887-1921.



Jing Luo's research on "Phenotypic Plasticity as Indicator and Predictor of Nonindigenous Noxious Plants" is helping the OPGC and the Weedy and Invasive Plant Ecology Lab at Ohio State.

Drs. Tay and Cardina describe Luo as a very bright and motivated student. "Jing Luo graduated from [Fudan University](#) with many honors, including the prestigious Chun-Tsung Scholar award. She wrote her undergraduate thesis on a study she conducted on plants along the Yangtze River and their impacts on the river's hydrological condition. From this experience she developed an interest in invasive plants."

"Luo's work at Ohio State is helping the Weedy and Invasive Plant Ecology Lab, in conjunction with the Ornamental Plant Germplasm

Center, develop focused protocols to identify plant traits associated with invasiveness. Jing's research interest clearly addresses the College's priority of Enhancing Environmental Quality. By predicting the occurrence of invasive species and restricting their introduction, we can avoid not only the problems they cause, but also the environmental and human health problems associated with their controls," said Tay and Cardina.



Brian Schutte, PhD student of Kent Harrison and Emilie Regnier, earned third place in the Human Ecology division at the 2006 Edward F. Hayes Graduate Research Forum.

**Brian Schutte**, HCS graduate student of **Dr. Kent Harrison** and **Dr. Emilie Regnier**, earned third place in Food, Agriculture, and Environmental Sciences - Human Ecology Section of the 2006 Edward F. Hayes Graduate Research Forum. Schutte's presentation was entitled, "The Role of Seed Dormancy in *Ambrosia trifida* Seedling Emergence." The forum, which was held April 22, is co-sponsored by the Council of Graduate Students, the Graduate School, and the Office of Research.

Dr. Regnier explains the importance of Schutte's work to weed management. "Brian's research is significant because it allows us to predict the time-course of giant ragweed emergence with a high degree of accuracy. This information allows farmers to plan operations such as tillage and application of herbicides so that they are most effective in managing giant ragweed." Log on to the Agronomic Crops Network to learn more about Schutte's research on [Giant ragweed \(\*Ambrosia trifida\*\) seedling emergence projections for 2006](#).



Min Gab Kim, Ph.D. student of David Mackey, received the William E. Krauss Director's Award for Excellence in Research at the 2006 OARDC Annual Conference.

**Min Gab Kim**, Ph.D. student of **Dr. David Mackey**, received an award for excellence in research from the OARDC. Kim received the OARDC William E. Krauss Director's Award for Excellence in Research at the 2006 OARDC Annual Conference held in Wooster on April 20th. The award recognized Kim's manuscript, "[Two \*Pseudomonas\* Type III Effectors Inhibit \*RIN4\*-regulated Basal Defense in \*Arabidopsis\*](#)," published in June 2005 issue of [Cell](#). One of two recipients, Kim received a \$1000 award and a framed copy of the manuscript at the conference. The Selection Committee for this award included: John Finer

(chair), Martha Belury, Dan Herms, David Francis, Parwinder Grewal, and Lingying Zhao.