

College of Human Sciences

Research and Graduate Education News

College of Human Sciences:

FUNDED GRANTS & CONTRACTS

Gerald Miller, Extension to Agriculture, Murlidhar Dharmadhikari, Food Science & Human Nutrition, \$200,000 from the Iowa Department of Agriculture and Land Stewardship, *Support for the Iowa Grape and Wine Industry Institute*

Mark Gleason, Plant Pathology, Cheryl Reitmeier, Food Science & Human Nutrition, Lester Wilson, Food Science & Human Nutrition, Laura Jesse, Plant pathology, Donald Lewis, Entomology, Paul Domoto Horticulture, \$129,427 from the University of Minnesota, *Implementing Biointensive Post Management and Evaluation Hard Cider Manufacturing to Increase Sustainability of Apple Product*

Lori Norton-Meier, Curriculum & Instruction, \$124,515 from the University of Iowa, *Writing to Learn: Professional Development Resources*

Leah Keino, Apparel, Educational Studies & Hospitality Management, \$106,428 from the Institute of Peace, *Curriculum Initiatives in Peace Education to Strengthen Teacher Educators as Agents of Change in Post-Conflict Southern Sudan*

Matthew Rowling, Food Science & Human Nutrition, \$73,250 from the National Institutes of Health, *Uptake of Vitamin A and Breast Cancer*

Craig Gundersen, Human Development & Family Studies, \$68,695 from the University of Kentucky Research Foundation, *The Causes, Consequences, and Future of Senior Hunger in America*

Peter Martin, Human Development & Family Studies, \$100,238 from the University of Georgia, *Resources and Adaptation in Centenarians*

Ruth Litchfield, Food Science & Human Nutrition, \$60,066 from the Iowa Department of Public Health, *Wisewoman: Cardiovascular Disease Risk Reduction Project*

Byron Brehm-Stecher, Food Science & Human Nutrition, \$50,944 from the Quantumsphere, Inc., *Testing the Antimicrobial Effects of QSI-NanoA® Metalnanoparticles: Basic Research and Applications*

Lawrence Johnson and Nicolas Deak, Food Science & Human Nutrition \$50,000 from the SafeSoy Technologies, *Commercializing New Fractionated Soy Proteins to Improve Human health and Food Quality*

Seongyeon Auh, Research Institute for Studies in Education, Mack Shelley, Statistics, \$32,526 from the Iowa Department of Elder Affairs, *Aging and Disability Resource Center contract*

Robin Galloway and Mari Kemis, Research Institute for Studies in Education, \$30,000 from the School Administrators of Iowa, *Evaluation of the Iowa Statewide Parental Information and Resource Center*

Mari Kemis and Mary Jo Anderson, Research Institute for Studies in Education, \$30,000 from the American Corn Grower's Foundation, *Evaluation of the Wealth from the Wind Project*

Jeanne Waring Extension to Families, Lesia Oesterreich, Human Development & family Studies, \$40,000 from the Iowa Department of Education, *Early childhood Professional Development*

Mari Kemis, Research Institute for Studies in Education, \$20,000 from the **Des Moines Independent Community School District**, *Evaluation of the AP Incentive Grant*

Barbara Licklider, Educational Leadership & Policy Studies, \$19,000 from the **Kansas State University**, *K-State Learning Enhancement Action/Resource Network*

Mari Kemis and Robin Galloway, Research Institute for Studies in Education, \$31,731 from the **Prairie Lakes Area Education Agency**, *Evaluation of the Integrated Systems Service Model at Prairie Lakes Area Education Agency*

Mari Kemis, Research Institute for Studies in Education, **Mack Shelley**, Political Science, \$20,000 from the **Mississippi State University**, *Evaluation of Atoms2XP Project*

Marcia Rosenbusch, Curriculum & Instruction, \$24,040 from the **Iowa Department of Education**, *Kindergarten and First Grade Two-Way Immersion*

Sara Marcketti and Sara Kadolph, Apparel Educational Studies & Hospitality Management, \$11,745 from the **Humanities Iowa**, *Iowa Cultural Traditions in Fiber Arts*

Suzanne Hendrich, Food Science & Human Nutrition \$26,928 from the **Kemin Nutriscience**, *Efficacy of Mycotoxin Binder Against Fumonisin, Zearalenone, and Bomitoxin in Rat Feeding*

Seongyeon Auh and Mari Kemis, Educational Leadership & Policy Studies, **Mack Shelley Statistics**. \$14,064 from the **Iowa Department Of Elder Affairs**, *Iowa Department of Elder Affairs Website Renovation: Renewal of Contract #29705E50*

Mari Kemis, Research Institute for Studies in Education, **Mack Shelley Statistics**. \$10,000 from the **Des Moines Independent School District**, *Program Evaluation Services for Early Reading First Grant*

Ruth MacDonald, Food Science & Human Nutrition. \$5,338 from the **Archer Daniels**

Midland, *Protein Digestibility Analysis and Food Preference Assessment*

Gary Phye and Arlene DeLaMora, Curriculum & Instruction, \$5,000 from the **Iowa Department of Education**, *Teacher Development Academies Website*

Mary Yearns, Human Development & Family Studies, \$9,423 from the **Iowa Department of Public Health**, *Module for Livable Communities and Universal Design*

Sara Marcketti, Apparel Educational Studies & Hospitality Management, \$1,230 from the **Ames Convention and Visitors Bureau**, *First Annual Textiles and Apparel Contest for Iowa High School Students*

Carla Peterson and Gayle Luze, Human Development & Family Studies, \$2,000 from the **Mathematica Policy Research, Inc.**, *Early Head Start 5th Grade Follow-Up Study*

Kevin Schalinske and Tong Wang, Food Science & Human Nutrition, \$815 from the **Iowa Egg Council**, *Egg Lecithin and Egg Protein: A Dietary Strategy to Reduce Cardiovascular Disease Risk*

NOTES FROM THE ASSOCIATE DEAN'S OFFICE

As the College settles into its third year of existence, a number of new services are coming on-line or are in development. I will outline only a few here.

International Experiences Program. Nana Osei-Kofi became the Director of this newly configured program this past fall with a half-time appointment. She has just been joined by Kathy Wiederin, who now provides full-time support for International Experiences. In consultation with the CHS International Committee, Nana and Kathy are working on several critically important projects:

- Streamlining and enhancing all procedures for creating and engaging in international programs. Though this may sound mundane, this effort will help Nana and Kathy provide high quality and comprehensive services to

support international experiences for faculty/staff and students.

b. On-site review of existing programs. This year, Nana will begin conducting on-site reviews of several of our existing international programs. Other colleges with long-established international programs, such as the College of Agriculture and Life Sciences, historically have carried out periodic on-site review visits. We believe that our CHS International Experiences Program will be able to provide notably improved support for our individual travel programs through such visits.

c. Review of proposed programs. Nana has been consulting with faculty who run established international programs or are considering new ones. She assists not only with logistical issues, but also with curriculum integration and pedagogical concerns. Please visit with Nana before submitting any proposed new international experiences. She will need to review proposals at least two weeks before they can be submitted to the university review committee, or SAEAC.

d. The CHS International Committee has completed its work in creating a new international scholarship for students (either undergraduate- or graduate-level).

Information Technology. Most everyone in the College has directly experienced some changes in technology services over the past year. Faculty and staff in departments that have gone through the "domain migration experience" now have access to a networked (and private) personal drive, or P-drive; shared drive space at the unit level, or U-drive (departments each have vast amounts of shared space on U-drives); and relatively easy logon and access to university technology resources (without having to use multiple passwords...). Remote software updating and repair capabilities will be added soon. In addition to domain migration, several departments have switched fully to Iowa State's Outlook e-mail and calendaring service.

Another new service will go online soon as well. The CHS Intranet will debut this spring. This service will allow persons across the college to communicate easily with each other using tools such as shared file spaces, wikis, discussion boards, announcements, shared calendars, and several other tools. The Intranet will contain sections that allow departments to

conduct their business privately. College committees will have separate workspaces, too. Functioning workgroups around the college will be able to set up and use new workspaces easily.

Distance Education. A large change is in the works for Distance Education. The university's Continuing and Distance Education (CDE) program has provided distance education services in the past. However, these services will move later this year. Some will be centralized in the Provost's Office. Other distance education services will be provided by individual colleges. Consequently, we expect a number of important changes in online and distance education services offered by our college. These and other initiatives will be described more fully on the CHS Intranet as they develop.

Thanks to all of the persons around the college who have contributed to these and many other important developments. There is much more to come.

Jackie Blount, Associate Dean

ITEMS OF NOTE

QuantumSphere Awards Research Grant to Iowa State University To Improve Food Safety with Nanomaterials

Study will explore the use of QSI-Nano® Silver to prevent food contamination

QuantumSphere, Inc., a leading manufacturer of nano metals and alloys for applications in renewable energy, portable power, defense, electronics and other markets demanding advanced materials, today announced that it has awarded a research grant to Byron Brehm-Stecher, Ph.D, of Iowa State University to conduct research in the use of nanomaterials to improve the safety of the world's food supply.

"Nanomaterials have such broad potential in new application areas, and QuantumSphere is reaching out to stimulate efforts that accelerate validation and commercialization of its proprietary advanced materials," said Kevin Maloney, CEO of QuantumSphere. "Dr. Brehm-

Stecher's proposal shows tremendous promise as he sets out to validate QSI-Nano® Silver for use in antimicrobial materials that could prevent food contamination. The research could vastly improve the safety of global food production and distribution networks."

Brehm-Stecher is an assistant professor at Iowa State's Department of Food Science and Human Nutrition. His lab will test the effectiveness of QSI-Nano® Silver and its ability to destroy food-borne pathogens and other organisms that cause spoilage. The research will leverage the unique physical and catalytic properties of the nanoparticles to develop useful technologies for improved microbial control.

"QuantumSphere's manufacturing system has enabled the production of advanced nanomaterials with highly desirable qualities needed in antimicrobial research," said Dr. Brehm-Stecher. "Through our research, we hope to gain a greater understanding of how these materials impact microbial metabolism and will lead to technologies that enhance food safety."

In 2006, QuantumSphere initiated a call for research grant proposals to partner with universities and sponsor research through the prototype phase in an effort to accelerate the validation and commercialization of advanced materials in consumer and industrial applications. The award to Iowa State University is part of QuantumSphere's ongoing grant funding program. Each award is supported with an endowment ranging in sizes from \$50-125k to support work for up to 2 years. This is the second year QuantumSphere has awarded grants and the first year they have been awarded to research institutions outside of California.

Iowa State University Center for Technology in Learning and Teaching has an ongoing collaborative relationship with the international *MirandaNet Fellowship* led by Christina Preston and the Institute of Education, University of London, England.

In March 2008 we will be discussing this 2007 report "Perspectives on ICT CPD: Past, Present

and Future" by Christina Preston and John Cuthell.

As part of this collaboration a U.S. teacher will accompany Dr. Niki Davis to participate in this expenses-paid invited conference on professional development and technology (known as ICT in the U.K.) on 12-13 March 2008 in central London. Dr Davis has select Tamara Gatrost to accompany her and attend the conference. Tamara Gatrost has recently graduated from the online Master of Education Degree Program with Specialization in Curriculum and Instruction Technology. Tamara is an English teacher at the Missouri Valley High School located in Missouri Valley, IA

This means a great deal to our school district and our state in general, as it will be showcased in an international conference on the use of technology in education. As a representative from the United States and Iowa, I am excited to share our uses of technology with other nations. I have recently completed a master's program with this focus, as well as attended a Language Arts meeting in our conference where the use of technology, among other things, was shared and discussed, which has given me insight not only about my own school, but those around us. Through collaboration with other teachers, schools, and nations, I feel that the effective use of technology will continue to have positive influences on today's students.

A visit to England will be my first experience abroad and I am honored to be taking part in this conference, as I feel my trip will help affect growth in our school district. Educators are not given opportunities like this every day, and it means a lot to our school district and myself to be chosen. I've found, through my experiences as a classroom teacher and through implementing professional development practices, that the most effective ways to impart to teachers the importance of what they're doing is through collaboration with other educators and hands-on practice of the strategies before using them in the classroom. If my experience in England can help bring about some of these types of interactions in our school, I feel that we can not only increase the number of students learning with technology on a daily basis, but also the meaningfulness of the ways in which the technologies are used.
Scott McLeod, J.D., Ph.D.

Will be the keynote and multiple workshop presenter at the ASB Unplugged
<http://www.dangerouslyirrelevant.org/2008/01/asb-unplugged.html>

Scott will also be a keynote speaker at the MESPA Institute
http://www.mespa.net/Keynote_speakers.html

AVAILABLE AWARDS FOR SPRING SEMESTER 2008

1) The annual Zaffarano Prize for superior performance in publishable research by a graduate student:

Nominations due by 4:30pm Monday, March 3, 2008.

<http://www.grad-college.iastate.edu/awards/zaffarano.html>

2) The annual Karas Award for an outstanding dissertation in the behavioral sciences:

Nominations due by 4:30pm Monday, March 3, 2008

<http://www.grad-college.iastate.edu/awards/karas.html>

3) Research Excellence Awards to honor graduate students at the time of their graduation for outstanding research accomplishments as documented in their theses and dissertations. (Offered each semester, but a department has an annual allocation of awards)

Nomination Deadline: Tuesday, March 25, 2008

<http://www.grad-college.iastate.edu/awards/rex.html>

4) Teaching Excellence Awards to recognize and encourage outstanding achievement by graduate students in teaching. (Offered each semester, but a department has an annual allocation of awards)

Nomination Deadline: Tuesday, March 25, 2008

<http://www.grad-college.iastate.edu/awards/tex.html>

Felicity Douglas, Grad College SPEAK/TEACH Coordinator,

Office: 1116 Pearson Hall; (515)294-1958; fax (515)294-3003; fdouglas@iastate.edu

Mailing address: Grad College, Iowa State University, Ames, IA 50011-2206

<http://www.grad-college.iastate.edu/speakteach/>

<http://www.grad-college.iastate.edu/awards/awards.html>

AWARDS FOR FACULTY & STAFF

College Award Nominations Due Mar 1.

Within the College, departmental and college honors and award committees work to identify and honor deserving faculty and staff. Awards include University and College level awards.

A member or chair of the department honors and awards committee typically serves on the College committee. Typically, the College committee meets early in the fall to plan the year. During fall semester, departmental committees identify potential nominees and prepare award nominations for university and college awards. University award nominations are due to the college in early January. These nominations are due to the University on Feb. 1 or Feb. 25, and the college committee and Dean's office is completing work on them at this time. The list of university awards on which the College Committee works is provided on the college website at <http://www.hs.iastate.edu/awards/>.

Nominations for college awards and college alumni awards are due to the college on Mar 1. The website above also lists the college and college alumni awards on which the College committee works. If you are interested in nominating an individual for one of the college awards, please talk to your departmental awards committee chair or to the departmental representative to the college committee. The College Honors and Awards committee members are:

Tom Andre, Chair, Associate Dean (ex-officio)

Miyoung Jeong, Apparel, Educational Studies and Hospitality Management

Alex Andreotti, Curriculum and Instruction

Larry Ebbers, Educational Leadership and Policy Studies

Ken Prusa, Food Science and Human Nutrition

Ann Smiley-Oyen, Kinesiology

Corly Brooke, Human Development and Family Studies

Dynette Mosher, Alumni Relations Director (ex-officio)

Dayle Nickerson, Non-Departmental Staff Member (ex-officio)

Cathy Curtis, Communications Specialist (ex-officio)

Dayle Nickerson serves as representative to the committee for college staff who are not associated with a department.

There are also University level awards given to alumni by the Alumni Association.

Departments or individuals may nominate alumni for such awards directly. The College Honors and Awards committee does not process these University level alumni awards. See the website at <http://www.isualum.org/en/awards/> for more information.

AWARD FOR FACULTY, STAFF OR STUDENT

Margaret Sloss was the first woman to graduate from the College of Veterinary medicine at Iowa State University. She earned her bachelor's degree in zoology from Iowa Sate in 1923 and her master's degree in veterinary anatomy in 1932. Despite an unwritten policy against admitting women as veterinary students, Dean Stange let her accumulate credits in the veterinary medical curriculum, and in August 1938, Margaret Sloss was awarded a D.V.M. degree. She grew up on the Iowa State University campus where her father was Superintendent of Grounds. Her childhood home is now the location of the Margaret Sloss

Women's Center, which was established there in 1981.

The Women's Center Advisory Board is requesting your assistance in nominating candidates for the Second Annual Margaret Sloss Gender Equity Award. Nominees of the Margaret Sloss Gender Equity Award should have demonstrated a commitment to helping women gain equity within the university and/or the Ames community. Significant contributions come in many forms, from public acts such as organizational leadership to personal acts such as academic and professional mentoring. Examples include:

- Promoting awareness and understanding of the effects of sexism or prejudicial attitudes upon women;
- Promoting attitudes and the use of skills and techniques which work toward the elimination of a sexist ideology;
- Demonstrating an unusual and unique effort to promote gender equity in the classroom, university or community
- Promoting the development of policies and procedures designed to achieve gender equity;
- Developing or strengthening programs aimed at a scholarly understanding of women and gender roles;
- Promoting the respect of human diversity and the rights of women;

Raising campus/community awareness of feminist issues. Those eligible for the Margaret Sloss Gender Equity Award include Iowa State faculty and staff, Iowa State undergraduate and graduate students, and Ames community members. **The awards will be presented at the Margaret Sloss Gender Equity Awards Luncheon on March 5th at 11:30 a.m. in the Gallery Room of the Memorial Union.**

Please show your support for those who work for equity on campus and within the community by nominating them for the Margaret Sloss Gender Equity Award. Nominations may be made by ISU faculty, staff,

and students or by members of the Ames community. Nomination forms are available online at <http://www.dso.iastate.edu/wc/msgea/> (and is also attached). The deadline for submitting nominations is *Monday, February 25, 2008*. For more information, contact Marissa Klousie, Equity and Social Justice Educator-Graduate Assistant of the Margaret Sloss Women's Center, at 294-4154 or mklousie@iastate.edu.

Please send nominations to:

Marissa Klousie
205 Sloss House
Ames, IA 50011-1220
(P) 515-294-4154
(F) 515-294-6104
mklousie@iastate.edu

AWARD FOR FACULTY

Please help The Center for Excellence in the Arts and Humanities announce a new arts and humanities award:

Collaborative Arts and Humanities Grant Writing Award
Deadline: Tuesday April 8, 2008

Award distribution: 2008-2009, fiscal year 09

This award will fund two tenured scholars/artists from two different arts and humanities disciplines to collaborate on writing an external grant on a topic of value to the arts, to design, and to the humanities.

More information can be found at:
www.iastate.edu/-ceah/collgwa.html

SCHOLARSHIP FOR STUDENTS

The College of Human Sciences is pleased to announce the new *CHS International Experiences Scholarship* for full-time College of Human Sciences students participating in international experiences. Funding will be available for immediate use (Spring and Summer 2008). The application deadline for this new scholarship is **February 27, 2008**. (Note that the deadline for all other CHS study abroad scholarships is still February 15.)

For more information and application form, see:
<http://www.ss.hs.iastate.edu/intl/scholarships/chsintlexpscholino.doc>

CHS INTRAMURAL SEED GRANT PROGRAM, FISCAL YEAR 2009 AND BEYOND.

Change in Due Date:

To provide a longer period in which to carry out research related to the CHS Intramural Seed Grant Program, the due date for Intramural Seed Grant proposals for FY2009* and beyond will be moved to Sept 1. Thus, proposals for funding to be expended in FY2009 will be due on the first business day on or after Sept 1, 2008. The RFP will be posted on the CHS website before the beginning of the Spring, 2008 semester. See:
<http://www.hs.iastate.edu/facstaff/grants.php>.

Request for Paper Submissions

What?: The 2nd International Conference on Knowledge Generation, Communication and Management: KGCM 2008 (<http://www.sciis.org/KGCM2008>); held jointly with The 3rd International Symposium on Knowledge Communication and Peer Reviewing: KCPR 2008, and The 3rd International Symposium on Knowledge Communication and Conferences: KCC 2008.

Where/When?: Orlando, Florida, USA, on June 29th to July 2nd, 2008.

Submission deadlines and timeline

Submissions: February 7th, 2008
Acceptance: March 3rd, 2008
Camera-ready: March 26th, 2008

CENTER FOR EXCELLENCE IN
LEARNING AND TEACHING. SEMINARS
FOR STUDENTS (REGISTRATION
REQUIRED)

Graduate Student Teaching and Learning
Circle: *Generation Me (review of book)*
Enrollment limited to 15. Feb 4, 11, 18, and 25,
Noon – 1:30 p.m.

Graduate Student Teaching and Learning
Circle: *Review of McKeachie's Teaching
Tips*, Enrollment limited to 15, Feb 8, 15, 22,
and 29, 10:30 a.m. – Noon

Graduate Student Programming: *Preparing for
Academic Interviews* cover ways to prepare
for academic interviews, including researching
institutions, constructing questions and
answers, and preparing for campus visits. Feb.
14, 3:30 – 5 p.m. Room 1115 Pearson Hall

Register through AccessPlus (Employee tab,
HRS Training) or contact CELT at
celt@iastate.edu or 4-5357 and specify event
date and title, name, department, email
address, and phone number

NEWS FROM AESHM

Three of our PhD students presented papers at
the 13th Annual Graduate Research and
Graduate Education Conference in Orlando,
Jan 3-5, 2008. Their names and titles are:

1. Li-Shan Tao and Miyoung Jeong.
Customers' Readiness Toward "Facial
Recognition Technology" in the
Hospitality Industry.
2. Myunghee (Mindy) Jeon and Miyoung
Jeong. A hotel performance evaluation -
AN ANALYSIS OF AN ELECTRONIC
CUSTOMER REVIEW SITE
3. Chao-Jung (Rita) Chen and Miyoung
Jeong. Students' Perspectives of
Environmental Education Need in the
Hospitality Curriculum

**Scholarship to study the German Political
Process**

The German parliament is offering
International Parliamentary Scholarships to
students with university degrees (post
baccalaureate students) to study the German
political process by working with a member of
the German Parliament between Mar 1 and
July, 31, 2009. The application deadline is June
30, 2008. The website for information is
www.bundestag.de/ips

Students must be under 30, US citizens, fluent
in German. Students receive 450 Euros/month,
free accommodation, insurance and travel
expenses.

See the website for the most complete
information. While this information may not
be relevant to most CHS Graduate Students,
you may know of someone who would be
interested.

*Archived copies of this newsletter are available on the
College of Human Sciences Website at
<http://www.hs.iastate.edu/facstaff/news.php>*

You can now get your FSHN News at:
[www.fshn.hs.iastate.edu/newsletter/homepage
.php](http://www.fshn.hs.iastate.edu/newsletter/homepage.php)

Upcoming Dates and Events

- **June 30, 2008 – International Parliamentary Scholarship** for students who want to study the German political process. For more information www.bundestag.de/ips

Please forward any faculty, staff, and graduate student awards/recognitions and publication/presentations received in your department so we can share them with the entire College of Human Sciences.

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