

College of Human Sciences

Research and Graduate Education News

College Faculty and Staff recipients of the 2007 CHS awards will be recognized at the Winter Social on December 6, 2007.

FUNDED GRANTS & CONTRACTS

Denise Schmidt, Connie Hargrave, & Dale Niederhauser Curriculum & Instruction, **\$348,779** from the **Department of State, Turkish Student Teacher Internship Project**

Ersan Ustundag & Lawrence Genalo, Materials Science & Engineering and **Denise Schmidt,** Curriculum & Instruction, **\$148,996** from the **California Institute of Technology IMR & MIP DANSE**

Gary Pbye, Curriculum & Instruction, **\$25,000** from the **Iowa Department of Education, Evaluation of Iowa Learning Technology Commission**

Gary Pbye, Curriculum & Instruction, **\$15,000** from the **Iowa Department of Education, Special Education Recruitment and Retention Study**

Corey Drake, Curriculum & Instruction, **\$99,673** from the **National Science Foundation, Connecting Children's Mathematical Thinking to Community and Family Funds of Knowledge in Elementary Mathematics Methods**

Susan Carlson, Office of the Provost, **Carla Fehr,** Philosophy & Religious Studies, **Florence Hamrick & Frankie Laanan,** Educational Leadership & Policy Studies, **Bonnie Bowen & Diane Debinski,** Ecology, Evolution & Organismal Biology, **Sandra Gahn,** Institutional Research & **Sharon Bird,** Sociology **\$1,389,622 National Science Foundation ADVANCE Institutional**

Transformation Award: Comprehensive Institutional Transformation

From the Associate Dean for Research and Graduate Education

Centers and Institutes

October was an exciting month for centers in the college. The Center for Technology in Learning and Teaching celebrated its 10th anniversary. The Center is a world leader in technology in teacher education and the celebration was marked by a week long series of activities which are described in this issue. October also marked the official opening ceremony of the Nutrition and Wellness Research Center, also described within. Best wishes for the continuing and future success of these centers. We look forward to the 20th and 10th anniversary celebrations of CTLT and NWRC!

Catch-Up

With this issue, we catch-up on items back to July 1. This past year, we were short-staffed and did not have the resources to publish as frequently as should happen. I emailed earlier about our plan to publish monthly; this new schedule will keep us current in the future. But, we need your help!

The Rgenewsletter Needs You; Keep Those E-Cards And E-Letters Coming, Folks!

This newsletter helps to highlight the wide range of graduate education and research activities in the College of Human Sciences. We plan to publish around the last day of the month.

What gets published depends on you.

Faculty, staff, and students generate the activities described herein. We are able to access some information directly, but not all. We need to know about it to publish it. Thus, you need to tell us about your activities. We plan to send out a reminder email in the second week of the month, but you may submit items at any time. Our deadline is five business days before the last business day of the month. Items after that will make the next newsletter. The submission information is presented below.

Highlighting Student Involvement In Research and Scholarship.

We especially want to highlight the research and scholarship activities of students, graduate or undergraduate. So if you are a student, or are working with a student, who publishes / presents a paper, or achieves in research or scholarship in some other way, please be sure to submit a full citation or description to the newsletter. Other items of interest related to graduate education as just as important, so don't hesitate to submit.

While wanting to encourage students by recognizing their successes, highlighting the achievements of faculty and staff is equally important. Please let us know about those as well.

Email the items to Jennifer Poorman, rgenewsletter@iastate.edu, or jporman@iastate.edu. It is best if you provide the copy you would like to see published as it will be most accurate that way. Do include full names, titles, department affiliations, etc. of the researchers or full descriptions of the program. If a photo is relevant, we will publish it. Small jpeg files are probably best; 72 pixels per inch resolution is sufficient.

We look forward to your input! Have a great month! Enjoy the upcoming semester break.

Tom Andre

Diane Rover, Electrical & Computer Engineering, **Mack Shelley**, Statistics, **Steven Mickelson**, Agricultural & Biosystems Engineering, **Monica Bruning**, Engineering Outreach & Recruitment, **Frankie Laanan & Robyn Johnson**, Educational Leadership & Policy Studies, **\$288,823** from the **National Science Foundation** *SEEC: Stem Student Enrollment and Engagement Through Connections*

Laura Rendon, Educational Leadership & Policy Studies, **\$11,660** from **California State University – Long Beach** *External Evaluation CSU-LB Hispanic Serving Institutions Project*

Larry Ebbers, Educational Leadership & Policy Studies, **\$32,618** from **Des Moines**

Area Community College *Des Moines Area Community College Firsts*

Grace Marquis, Esi Colecraft, Manju Reddy Food Science & Human Nutrition, **Elisabeth Lonergan** Animal Science, **Helen Jensen** Economics & **Lorna Butler** Sociology **\$326,739** from the **University of California** *ENAM Africa Enhancing Child Nutrition Through Animal Source Food Management*

Manju Reddy & D Lee Alekel, Food Science & Human Nutrition, **\$100,000** from **Iowa Soybean Association** *How Does Low Iron Status Affect DHA levels in Indian Pregnant Women? Implications on Pregnancy Outcome*

Manju Reddy & D Lee Alekel, Food Science & Human Nutrition, **\$20,000** from **Iowa Soybean Association** *How Does Low Iron Status Affect DHA levels in Indian Pregnant Women? Implications on Pregnancy Outcome*

Ruth Litchfield Food Science & Human Nutrition **\$137,137** from **Iowa Department of Education** *Team Nutrition Demonstration Project*

Ruth Litchfield Food Science & Human Nutrition **\$2,500** from **Iowa Department of Education** *Team Nutrition Training Project*

Jack Dekkers, Animal Science, **Michael Spurlock** Food Science & Human Nutrition, **Anna Johnson, Lloyd Anderson, Elisabeth Lonergan, Steven Lonergan & Chris Tuggle**, Animal Science, **\$101,949** from the **National Pork Board** *Identification of Biological Factors Responsible for Differences in Feed Efficiency Between Selection Lines for Residual Feed Intake*

Kenneth Prusa, Food Science & Human Nutrition, **\$41,790** from **Ohio State University Research Foundation** *Pork Quality Benchmark Project*

Donald Beitz, Allen Trenkle & Jon Schoonmaker Animal Science & **Michael**

Spurlock, Food Science & Human Nutrition, **\$15,000** from the **Iowa Beef Industry Council** *Effect of Feeding Ethanol By-Products on Marbling and Fatty Acid Composition of Beef*

Dong Ahn & Eun Lee, Animal Science, & **Anthony Pometto**, Food Science & Human Nutrition **\$35,201** from the **Iowa Egg Council** *Production of Ovotransferrin from Egg White for Antimicrobial Application*

Ruth MacDonald, Sally Barclay, Jean Anderson, Food Science & Human Nutrition and **Gregory Welk**, Kinesiology **\$25,000** from the **Lance Armstrong Foundation** *Deep-CS: Diet and Exercise Education Program for Cancer Survivors*

Grace Marquis, Food Science & Human Nutrition **\$25,051** from the **University of California** *Strengthening the Data Analysis of the ENAM Project*

Hans Van Leeuwen & Samir Khanal Civil, Construction & Environmental Engineering, **Lynn Mumm**, IPRT Company Assistance, and **Anthony Pometto** Food Science & Human Nutrition **\$20,331** from **General Mills Operations, Inc.** *Research into Benefication of Waste Fruit Rollups*

Byron Brehm-Stecher, Food Science & Human Nutrition and **Lynne Mumm**, IPRT Company Assistance, **\$14,040** from **Van Beek Natural Science, LLC** *Antimicrobial Activity of Essential Oils Part II: Formulation Testing, Blend Optimization, Expanded Pathogen Testing, Activity Enhance*

Denise Bjelland, Global Agriculture Programs & **Lester Wilson**, Food Science & Human Nutrition **\$46,026** from the **Department of Agriculture, FAS** *India Borlaug Fellows Programs*

Sam Beattie & Earl Hammond, Food Science & Human Nutrition and **Donald Beitz**, Animal Science **\$25,000** from **Iowa State University Foundation** *Decreasing the Atherosclerotic Index of Milk*

Suzanne Hendrich, Food Science & Human Nutrition, **\$13,783** from the **Pharmazeutische Fabrik Montavit Ges.m.b.H.** *Lipid Lowering Effects of Artichoke Extract "Finzelberg" in Hamsters*

Jacobus Lempers, Human Development & Family Studies, **\$1,411,140** from the **Iowa Department of Human Services** *Service Training FOSU-08-001*

Jacobus Lempers, Human Development & Family Studies, **\$21,841** from the **Iowa Department of Human Services** *Targeted Case Management BCM-08-004*

Janeann Stout, Extension to Families, **Beverlyn Allen**, Sociology and **Cynthia Fletcher**, Human Development & Family Studies, **\$682,500** from **Northwest Area Foundation** *Horizons Community Implementation Project, Phase 3*
Carolyn Cutrona, Psychology and **Daniel Russell**, Human Development & Family Studies **\$554,331** from the **National Institutes of Health, NIMH** *Resiliency and Vulnerability in African American Parents*

Frederick Lorenz, Sociology, **Rebecca Burzette**, Institute for Social & Behavioral Research and **Kanduada Wickrama**, Human Development & Family Studies **\$493,876** from the **National Institutes of Health** *Relationship Development and Health in Young Adults*

Craig Gundersen, Human Development & Family Studies and **Brent Kreider**, Economics **\$140,000** from the **Department of Agriculture, ERS, FANRP** *The Effect of Food Stamps on Child Outcomes*

Kimberly Greder & Steven Garasky, Human Development & Family Studies **\$56,200** from the **Iowa Department of Human Services** *Food Stamp Outreach Plan: "Food Insecurity, Housing and Health Issues Among Food Pantry Participants: Year 2"*

Janet Melby, Human Development & Family Studies **\$47,932** from **Cincinnati Children's Hospital Medical Center**

Improving Mental health Outcomes of Child Brain Injury

Megan Murphy, Human Development & Family Studies **\$19,327** from **Lutheran Social Services of Iowa Graduate Assistantship with Lutheran Social Services of Iowa**

Elena Karpova, Apparel, Educational Studies & Hospitality Management **\$27,663** from **University of North Carolina, Greensboro Collaborative Development of Global Fiber, Fabric and Related Products industry Based Problem-Solving Modules for Undergraduates**

Warren Franke, Panteleimon Ekkekakis & Marian Kohut, Kinesiology and **Daniel Russell**, Human Sciences Administration **\$163,798** from the **Center for Disease Control and Prevention Yr 2r Concept: Stress Cytokines and Heart Disease in Police**

Katherine Thomas, Kinesiology **\$106,846** from the **Iowa Department of Education Local Wellness Demonstration Project**

Derrick Rollins, Chemical & Biological Engineering, **Gregory Welk & Warren Franke**, Kinesiology **\$102,054** from **Bodymedia, Inc Modeling Glucose Responses in Type 2 Diabetics and Normal Adults**

Joey Eisenmann, Kinesiology **\$71,067** from the **American Heart Association Longitudinal Study of the Obesity-Hypertension Phenotype in Young Children**

Gregory Welk, Kinesiology **\$18,417** from **Bodymedia, Inc Energy Expenditure Validation**

Gregory Welk, Kinesiology **\$13,354** from **Kansas State University Physical Activity Processing – HOP’N**

ITEMS OF NOTE

John Schuh will present a keynote address in Hong Kong sponsored by the Chinese University of Hong Kong.

John Schuh will lead a team to review doctoral programs in leadership studies at the University of Central Kansas.

Steven Garasky was appointed by the Iowa Supreme Court to be a member of the Committee to Review Iowa’s Child Support Guidelines. Please make note that he is the only academic on the committee.

Here are a few links to recent write-ups about 2 **HDFS** grant projects going on:

<http://www.hdfs.hs.iastate.edu/News/Obesity.asp>
<http://www.hdfs.hs.iastate.edu/News/IGDI.asp>

Presented at the Association for Educational Communications and Technology 2007 Convention, Anaheim, CA, October 22-27, 2007, and the subsequent proceedings paper: **Ana Correia & Elena Karpova**, (2008, in press). Trust and Performance in Virtual Teams. Selected Research and Development papers presented at the 2007 National Convention of the Association for Educational Communications and Technology. Anaheim, CA, 2007. The research presented was partially funded by the College Seed Grant (spring 2006 competition).

Scott McLeod, was officially named as the Associate Director for Communication and Marketing for UCEA.

You can now get your **FSHN News** at: www.fshn.hs.iastate.edu/newsletter/homepage.php

2007 Karas Award Winner

Kevin Randall received his Ph.D. from Iowa State in December, 2006 in the Human Development and Family Studies Department. His dissertation investigates the relationship between five important resources in very late life: physical health resources, mental health resources, activities of daily living, social resources, and economic resources. “The dissertation makes a extremely important contribution to human development and gerontology,” says his major professor, Dr Peter Martin. “It comprehensively investigates

an interconnected system of resources, and the results are extremely useful for practical assessments and translational interventions in very old age."Dr. Randall is now an assistant professor in Family and Consumer Sciences at Bradley University, Peoria, Illinois, and directs their new C. C. Wheeler Institute for the Holistic study of Family Well-Being.

Graduate Student in HDFS receives national award - Markie Blumer received the 2007 National Council on Family Relations Student Award that was presented at the 2007 NCFR Annual Conference last week in Pittsburgh, PA. The award is given to an NCFR grad student member who has demonstrated excellence as a student with potential for contribution to the field of family studies.

Oral Defense - The oral defense of Hala Bastawros will take place Tuesday, Nov. 20th at 12:15 PM in 236 Forker. Hala F. Bastawros of Interdepartmental Immunobiology will be speaking and everyone is welcome to attend.

ISU Family Life Extension Specialist Honored for Contributions to Parent Education - Kimberly Greder, associate professor and extension specialist in human development and family studies at Iowa State, received the Early Achievement Award from the National Council on Family Relations. Greder has also been a key leader in national parenting education programs.

ISU Professional Earns Award for Contributions Made in Improving Child Care - Lesia Oesterreich, extension program specialist in family life, was awarded the Career Achievement Award for her assistance in improving child care in Iowa from the National Council on Family Relations. Oesterreich is also well known for her publications and training programs that have improved the quality of childcare.

NFLRC Joins CAL in Chinese Curriculum Development: - The National K-12 Foreign Language Resource Center at Iowa State has joined the Center for Applied Linguistics in a project to advance and expand the teaching of Chinese in grades K-5. The team has established a long-sequence language instruction model and is currently conducting research on the outcomes of that model.

Ruth MacDonald, FSHN chair, will serve on the Iowa Economic Development Board, which will take over functions formerly performed by

the Values Fund Board. The IEDB will work closely with industry and "play a pivotal role in transforming Iowa's economy," according to its web site.

Byron Brehm-Stecher was recently appointed to the Institute of Food Technologists "Scientific Reports and Emerging Issues Committee."

Byron Brehm-Stecher's lab was recently awarded a three-year grant from PolyMedix, Inc. (Radnor, Pa.) entitled "Biomimetic polymer-based antimicrobial systems: development and applications."

Byron Brehm-Stecher's lab was recently awarded a one-year grant from Van Beek Natural Science (Orange City, Iowa). The grant, administered through IPRT Company Assistance will examine the antimicrobial activities of select essential oils toward their eventual use in veterinary care products.

Jean Anderson MS RD LD, Anne Oldham MS RD LD, Eunice Bassler MS RD LD, and Cheryl Reitmeier were the authors of a poster session on electronic portfolios on September 30 at the Food and Nutrition Conference and Expo in Philadelphia. The title of their poster was "Assessment of Student Learning Using Electronic Portfolios in a Didactic Program for Dietetics and in a Dietetic Internship." This meeting was attended by over 10,000 Registered Dietitians and nutrition professionals.

Jean Anderson MS RD LD was a co-author together with presenters from Montana State University for a poster session on "The Future of Dietetics Practice: Teaching the Nutrition Care Process and Standardized Language" on September 30 at the Food and Nutrition Conference and Expo in Philadelphia.

Jean Anderson, MS RD LD, attended the House of Delegates Meeting for the American Dietetic Association and received up-to-date reports from the Phase 2 Future Practice and Education Task Force on Future Practice and Education in 2017.

Diane Birt chaired the External Advisory Committee meeting of the Memorial Sloan Kettering Cancer Center Botanical Research Center meeting on August 28-29 in New York City.

Byron Brehm-Stecher presented a talk on rapid detection of foodborne pathogens as part

of a NATO workshop on "Food Safety and Security: Global Holistic Approaches for the Future and Environmental Impacts" in Galati, Romania, September 4-6. Other FSHN faculty presenting included Lester Wilson, Aubrey Mendonca, and Sam Beattie.

Byron Brehm-Stecher recently presented a talk on "Biomimetic polymer-based antimicrobial systems" at the Annual Meeting of the American Chemical Society in Boston, MA.

Stephanie Jung presented at the NC1023 meeting "Improvement of Thermal and Alternative Processes for Foods" October 1-2 at State College, Pennsylvania State University.

Stephanie Jung is involved in the ISEKI_MUNDUS project, which recently received a grant to foster the internationalization of and enhancing the quality of the European higher education Food Studies. With 113 partners from five continents, the one-year project will work to promote good communication and understanding between European countries and the rest of the world. Meetings will take place in Austria (Vienna, January 4-5), Brazil (April) and Porto (September).

Lester A. Wilson served as co-director of the Advanced Research Workshop on "Food Safety and Security: Global Holistic Approaches for the Future and Environmental Impacts," September 4-6, in Galati, Romania. The main objective of the workshop was to critically assess and develop food safety, security and environmental systems for Romania, neighboring countries and the food chain beyond their borders (NATO, NATO partner and/or EU countries). Participants from the U.S. and numerous central European countries shared expertise and viable solutions which will be monitored, communicated and disseminated to the local authorities, food industries and consumers.

A poster session on "Assessment of Student Learning Using Electronic Portfolios in a Didactic Program for Dietetics and in a Dietetic Internship" was presented at Iowa Dietetic Association in Ames on November 7 by **Jean Anderson MS RD**, **Anne Oldham MS, RD**, **Eunice Bassler, MS, RD** and **Cheryll Reitmeier PhD**.

Jean Anderson MS RD LD presented a CPE course on the Nutrition Care Process to dietetic internship preceptors in St. Cloud, MN at

Centra Care Health System on November 8, 2007.

CENTER CELEBRATIONS

The Center for Technology in Learning and Teaching (CTLT) Celebrates a Decade of Connecting Education with Technology

Since 1997, the Center for Technology in Learning and Teaching (CTLT) has incorporated applications of technology to improve student learning through research, development, and service. The year long 10th anniversary celebration began October 17-19, 2007 by highlighting the latest innovations in technology for educational use. The kick-off celebration included a reception, a guest lecture on problem solving by Dr. David Jonassen, Distinguished Professor at the University of Missouri, a CTLT Technology Showcase hosted by CTLT Staff, and a demonstration and discussion on collaborative virtual educational environments hosted by ISU Faculty and Graduate Students. Additional information about these events, including a streaming video of the guest lecture can be found on the CTLT website located at: <http://www.cltt.iastate.edu/>. Celebrations will continue this spring with an event that includes the Center for Information Technology in Education at the University of Hong Kong which is also celebrating its 10th anniversary this year.



Aryeetey, Food Sci. & Human Nutrit. Aurélie Rakotondrafara, Molec., Cell., & Develop. Bio. Madhusan Pai, Mechanical Engr.

Also receiving a research excellence award but not pictured:

April Beyer, Microbiology. Joshua Dehlinger, Comp. Sci. Pang Ko, Elec. and Comp. Engr. Anna Kosterina, English. Li Kudra, Animal Sci. Stacey Stoffregen, Chem. De Zhang, Curric. & Instr.

Summer 2007 Research and Teaching Excellence Winners



Fourteen students were selected for Research Excellence and two for Teaching Excellence Awards. Those listed won awards for research unless noted otherwise.

Back row: President Gregory Geoffroy. Laurie Wolf, Ed. Leadership & Policy Stds. Serkan Perkmen, Curric. & Instr. (Teaching Excellence). Scott Emrich, Bioinform. & Comput. Biology. Ryan Atwell, Natural Resource, Ecol. & Mngmt. (Teaching Excellence).

Front row: Danni Wang, Indust. & Manufact. Sys. Engr. Kristen Corey, Sociology. Richmond

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>

Upcoming Dates and Events

- **December 6, 2007-Winter Social & Awards Recognition** Faculty & Staff 2-4 p.m. in the Campanile Room, Memorial Union.
- **December 12, 2007 - National Science Foundation Summer 2008** Application Due (see October's Newsletter for more detail)
- **December 14, 2007- Graduation Celebration** for students in the College of Human Sciences receiving a bachelor's degree starts at 4:30 p.m. at Stephens Auditorium.
- **December 14, 2007- Reception for Graduation Students** for those student receiving a bachelors degree, masters and PhDs. First Floor Lobby, Scheman Building From 6-7:30 p.m.
- **January 21, 2008 - Proposals for the Teaching Innovation Initiatives & Entrepreneurial Program Initiatives** need to be submitted by this date. Please go to this website for the forms you will need to submit. <http://www.hs.iastate.edu/facstaff/grants.php>
- **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 awards and recognitions received in your department so we can share them with the entire College of Human Sciences.

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