

**Frank L. Haynes Graduate Student Research Award Competition
96th Annual Meeting
August 12-16, 2012**

1.	The members of the Graduate Student Competition Committee in 2012 were, Samuel Essah (Colorado State University-Chair), Leslie Wanner (USDA-ARS, Beltsville, MD), Paul Bethke (USDA-ARS, Madison, WI), Dennis Halterman (USDA-ARS, Madison, WI), Shelley Jansky (USDA-ARS, Madison, WI), and Andre Gagnon (Quebec, Canada). Jonathan Whitworth (USDA-ARS, Idaho) will join the committee in Quebec, Canada, in 2013.
2.	The awards were funded by the PAA general fund.
3.	Thirteen students participated in the competition: 7 Ph.D. and 6 M.S. students. They made presentations in the following sections: Breeding and Genetics (5), Plant Protection (5), Physiology (1), Extension, Production & Management (1), and Industry-Oriented Session (1). They were from seven institutions: Colorado State University (4), University of Idaho (3), University of Wisconsin-Madison (2), Washington State University (1), University of Maine (1), North Dakota State University (1), and University of Saskatchewan, Canada (1).
4.	The students came from seven countries: USA (7), China (1), India (1), Mexico (1), Bangladesh (1), Venezuela (1), and Lybia (1).
5.	The winners were:
A.	"Uncooked and baked purple potatoes suppress oxidative stress and inflammatory markers in high-fat diet consuming pig." Sridhar Radhakrishnan ⁽¹⁾ , L. Reddivari ⁽¹⁾ , S.W. Kim ⁽²⁾ and J. Vanamala ⁽¹⁾ . / ⁽¹⁾ Food Science and Human Nutrition, CSU, Fort Collins, CO. ⁽²⁾ Animal Science, NCSU, Raleigh, NC. [1ST PLACE]
B.	"Characterization of Carotenoid Content in Potato Germplasm Utilized by the Colorado Potato Breeding and Selection Program." Katie M. Larson ⁽¹⁾ , D. G. Holm ⁽²⁾ , S.S. Jayanty ⁽²⁾ , and L. Reddivari ⁽¹⁾ . / ⁽¹⁾ Dept of Horticulture & Landscape Architecture, CSU, 111 Shepardson, 1173 Campus Delivery, Fort Collins, CO 80523, USA, ⁽²⁾ San Luis Valley Research Center, 0249 East Road 9 North, Center, CO, USA. [2ND PLACE]
C.	"Molecular, serological and biological characterization of a recombinant isolate of PVY from Mexico." Arturo Quintero-Ferrer ⁽¹⁾ , Loreto Robles-Hernandez ⁽²⁾ , Ana C. Gonzalez-Franco ⁽²⁾ , Camille Kerlan ⁽¹⁾ , and Alexander V. Karasev ⁽¹⁾ . / ⁽¹⁾ Univ of Idaho, PO Box 442339, Moscow, ID 83844-2339; ⁽²⁾ Universidad Autonoma de Chihuahua, Chihuahua, Mexico [THIRD PLACE]
D.	"Influence of Ethylene on Skin Color and Appearance of Specialty Potatoes." William H. Buhriq ⁽¹⁾ , M. Thornton ⁽¹⁾ , N. Olsen ⁽²⁾ , D. Morishita ⁽²⁾ , C. McIntosh ⁽³⁾ , / ⁽¹⁾ Univ of Idaho-Parma, ID 83660. ⁽²⁾ Univ of Idaho-Kimberly, ID 83341. ⁽³⁾ Univ of Idaho-Moscow, ID 83844. (208) 722-6701, Ext 221 [4TH PLACE]
Respectfully submitted Samuel Y.C. Essah (Chair)	
Additional papers presented in competition:	
1.	"Influence of chloropicrin soil fumigation on potato root gall formation caused by <i>Spongospora subterrenea</i> ." Francisco Bittara , N. Gudmestad, G. Secor, J. Pasche, V. Rivera, and D. Peterson. NDSU, Dept of Plant Pathology, Fargo, ND 58102.

2. "Variability Associated with Screening for Common Scab and Verticillium Wilt in Potato." **Sarah Braun**⁽¹⁾, Pedro Uribe⁽²⁾, and Shelley Jansky⁽³⁾ / ⁽¹⁻²⁾Univ of Wisc-Madison, Dept. of Horticulture, 1575 Linden Drive, Madison, WI 53706; ⁽³⁾USDA/ARS, Univ of Wisconsin-Madison, Dept. of Horticulture, 1575 Linden Drive, Madison, WI 53706.
3. "Influence of Late Growing Season Nitrogen Application on the Tuber Yield, At-Harvest Quality, and Stored Potato Quality of Russet Potatoes." **Henry Castleberry**. Sastry S. Jayanty. San Luis Valley Research Ctr, Dept. of Horticulture and Landscape Architecture, CSU, Center, CO 81125, USA.
4. "Geographic Variation in Growth Potential of Colorado Potato Beetle Populations." **Jie Chen**⁽¹⁾, A. Alyokhin⁽¹⁾, D. Mota-Sanchez⁽²⁾, M. Baker⁽³⁾, and M. Whalon⁽²⁾ / ⁽¹⁾School of Biology and Ecology, Univ of Maine, Orono, ME 04469; ⁽²⁾Dept of Entomology, Michigan State Univ, East Lansing, MI 48824; ⁽³⁾Biology Dept, Queens College, City Univ of New York, Flushing, NY 11367
5. "Evaluation of a Potential Molecular Marker Assay to Screen for Potato Cold Storage Fry Quality." **Kyle Rak**, Felix Navarro, and Jiwan Palta. Department of Horticulture, University of Wisconsin, Madison, WI 53706
6. "Interactions between strains of *Potato virus Y* circulating in North America and *N* genes in potato." **Jenny S. Rowley** and Alexander V. Karasev. University of Idaho, PO Box 442339, Moscow, ID 83844-2339
7. "Effects of wounding and potato cultivar on aggressiveness of *Alternaria solani* and *A. alternata*." **Lydia S. Tymon**, Thomas F. Cummings, and Dennis A. Johnson, Dept of Plant Pathology, Washington State University. Pullman, WA 99164
8. "Storage effect on glycoalkaloid and acrylamide content in potato chips is genotype dependent and these toxicants negatively correlate with consumer preference." **Fauzi S. Amera**, Gaurav P. Madiwalea, Lavanya Reddivaria, Martha Stonea, David G. Holmb and Jairam Vanamalaa, Department of Food Science and Human Nutrition, Colorado State University, Fort Collins, CO 80523; bSan Luis Valley Research Center, Center, CO 81125
9. "Resistance of potato genotypes to drought stress." **Pankaj Banik**⁽¹⁾ Helen Tai⁽²⁾ and Karen Tanino⁽³⁾, / ^(1,3)Dept of Plant Sciences, Univ of Saskatchewan, SK, S7N 5A8, Canada. ⁽²⁾AAFC, Potato Research Ctr., Fredericton, NB, E3B 4Z7, Canada.