Daniel K. Owens, PhD
College of Tropical Agriculture and Human Resources
Molecular Biosciences and Bioengineering
FTE Distribution: 30% I; 70% R; 0% E

Education

Degree	University	Major
Bachelors	East Tennessee State University	Biochemistry Concentration
PhD	Virginia Tech	Biology

Lifetime and Fellow Achievement Awards (peer nominated and endorsed national and International-important for those without accreditation that is peer nominated and endorsed, recognized)
2017 Arthur C. Neish Young Investigator Award, Phytochemical Society of North America
2005 Outstanding Teaching Award; Virginia Tech Biology Department
1998 Dr. Herman O'Dell Award for the Outstanding Junior in Biological Sciences; ETSU Biological Sciences
1995 Eagle Scout Rank; Boy Scouts of America

Professional Appointments

Title	Employer	Dates Employed
Assistant Professor	University of Hawaii – Manoa, Honolulu, HI	August 2016 – Present
Postdoctoral Associate	USDA-ARS-NPURU, Oxford, MS	August 2011 – August 2016
Postdoctoral Associate	East Tennessee State University Johnson City, TN	October 2006 – August 2011
Instructor	East Tennessee State University Johnson City, TN	August 2006 – December 2006
Interim Teacher	Greeneville High School, Greeneville, TN	March 2006 – May 2006
Instructor	East Tennessee State University Johnson City, TN	January 2005 - December 2005

Courses Taught
Course Number and Title (credits)
BIO/MBBE 402 Principles of Biochemistry (4 credits)
MBBE 402L Principles of Biochemistry Lab (2 credits)
MBBE 499 Directed Research (variable)
MBBE 620 Plant Biochemistry (3 credits)
MBBE 699 Directed Research (variable)

Publications (reverse chronological order)
Conference Proceedings
Knisley, D., Seier, E., Lamb, D., Owens, D., and McIntosh, C. (2009) A Graph-Theoretic Model Based on Primary and Predicted Secondary Structure Reveals Functional Specificity in a Set of Plant Secondary Product UDP-Glucosyltransferases. In *Proceedings of the 2009 International Conference on Bioinformatics, Computational Biology, Genomics and Chemoinformatics*, (BCBGC-09), (Loging, W. et al, eds.) pp. 65-72, ISRST**.**

Book Chapters
Duke, S.O., Owens, D.K., and Dayan, F.E. (2017) Biochemical Bioherbicides. In *Weed Control: Sustainability, Hazards, and Risks in Cropping Systems Worldwide.* (Korres, N.E. ed.), *In Press*.

Duke, S.O., Owens, D.K., and Dayan, F.E. (2014) The Growing Need for Biochemical Bioherbicides. In *Biopesticides: State of the Art and FutureOpportunities*. (Gross, A. et al, eds.), pp. 31-43.

Duke, S.O., Baerson, S.R., Cantrell, C.L., Wedge, D.E., Meepagala, K.M., Pan, Z., Rimando, A.M., Schrader, K., Tabanca, N., Owens, D.K., and Dayan, F.E. (2013) Phytochemicals for Pest Management: Current Advances and Future Opportunities. In *Recent Advances in Phytochemistry* (Vol. 43)(Gang, D. et al, eds.), pp. 71-94.)

Owens, D.K. and McIntosh, C.A. (2010) Biosynthesis and Function of Citrus Glycosylated Flavonoids. In *Recent Advances in Phytochemistry*, (Vol. 41) (Gang, D. et al, eds.), pp. 67-95 Springer Press. (invited, peer reviewed)

Refereed Journal Publications

Owens, Daniel, Bajsa, Joanna, Duke, Stephen, Carbonari, Caio Antonio, Gomes, Giovanna, Asolkar, Ratnakar, Boddy, Louis, Dayan, Franck (2019). The contribution of romidepsin to the herbicidal activity of *Burkholderia rinojensis* strain A396 biopesticide. *Journal of Natural Products* (Accepted, In Press)

Barone, R.P., Knittel, D.K., Ooka, J.K., Porter, L.N., Smith, N.T., and Owens, D.K. (2019). The Production of Plant Natural Products Beneficial to Humanity by Metabolic Engineering. Current Plant Biology, 100121.

Ooka, J.K. and Owens, D.K. (2018). Allelopathyy in tropical and subtropical species. Phytochemistry reviews, 17(6), 1225-1237.

Devaiah, S.P., Tolliver, B.M., Zhang, C., Owens, D.K. and McIntosh, C.A. (2017) Mutational analysis of substrate specificity in a *Citrus paradisii* flavonol 3-*O*-glucosyltransferase. *Journal of Plant Biochemistry and Biotechnology* 27, 13-27.

Correa, E.A., Dayan, F.E., Owens, D.K., Rimando, A.M., and Duke, S.O. (2016) Glyphosate-Resistant and Conventional Canola (*Brassica napus* L.) Responses to Glyphosate and AMPA Treatment. *Journal of Agricultural and Food Chemistry* 64, 3508-3513.

Mcintosh, C.A. and Owens, D.K. (2016) Advances in Flavonoid Glycosyltransferase Research: Integrating Recent Findings with Long-Term Citrus Studies. *Phytochemistry Reviews*, 1-17.

Devaiah, S.P. §,Owens, D.K.§, Sibhatu, M.B., RoySarkar, T., Strong,C., Mallampalli, V., Lin, Z., Wamucho, A., Hayford, D., Williams, B.E., Loftis, P., Berhow, M., Pike,L.M., and McIntosh, C.A. (2015) Isolation, recombinant expression, and biochemical characterization of putative secondary product glucosyltransferases from *Citrus paradisi*. *Journal of Agricultural and Food Chemistry* 64, 1957-1969.
§ Authors contributed equally.

Carbonari, C.A., Lattore, D.O., Gomes, G.L.G.C., Velini, E.D., Owens, D.K., Pan, Z., and Dayan, F.E. (2015) Resistance to Glufosinate is Proportional to Phosphinothricin Acetyltransferase Expression and Activity in LibertyLink® and Widestrike Cotton®. *Planta* 243, 925-933.

Dayan, F.E., Owens, D.K., Watson, S.B., Asolkar, and R., Boddy, L. (2015) Sarmentine, a natural herbicide from Piper species with multiple herbicide mechanisms of action. *Frontiers in Plant Science* 6, 1-11. (doi: 10.3389/fpts.2015.00222).

Dayan, F.E., Owens, D.K., Corniani, N., Silva, F.M., Watson, S.B., Howell, J., and Shaner, D.L. (2014) Biochemical markers and enzyme assays for herbicide mode of action and resistance studies. *Weed Science* 63: 23-63.

Dayan, F.E., Owens, D.K., Tranel, P., Preston, C. and Duke, S.O. Evolution of Resistance to Phytoene Desaturase and Protoporphyrinogen Oxidase Inhibitors – State of Knowledge. (2014) *Pest Management Science* 70, 1358-1366.

Owens, D.K., Nanayakkara, N.P., and Dayan, F.E. (2013) *In planta* Mechanism of Action of Leptospermone: Impact of Its Physico-Chemical Properties on Uptake, Translocation, and Metabolism. *Journal of Chemical Ecology* 39, 262-270.

Bajsa, J.N., Pan, Z., Dayan, F.E., Owens, D.K., and Duke, S.O. (2012) Validation of serine-threonine protein phosphatase as the herbicide target site of endothall. *Journal of Pesticide Biochemistry and Physiology* 102 (2), 38-44.

Dayan, F.E., Owens, D.K., and Duke, S.O. (2012) Rationale for a natural products approach to herbicide discovery. *Pest Management Science* 68(4), 519-528.

Daniel, J.J., Owens, D.K., and McIntosh, C.A. (2011) Secondary Product Glucosyltransferase and Putative Glucosyltransferase Expression During Citrus paradisi (c.v. Duncan) Growth and Development. *Phytochemistry* 72, 1732-1738.

Owens, D.K. and McIntosh, C.A. (2009) Identification, recombinant expression, and biochemical characterization of a flavonol 3-O-glucosyltransferase clone from *Citrus paradisi*. *Phytochemistry* 70, 1382-1391.

Owens, D.K., Crosby, K.C., Runac, J., Howard, B. and Winkel, B.S. (2008) Biochemical and genetic characterization of Arabidopsis flavanone 3β-hydroxylase. *Plant Physiology and Biochemistry* 46, 833-843.

Owens, D.K., Alerding, A.B., Crosby, K.C., Bandara, A.B., Westwood, J.H. and Winkel, B.S. (2008) Functional analysis of a predicted flavonol synthase gene family in Arabidopsis. *Plant Physiology* 147 (3), 1046-1061.

Owens, D.K., Hale, T., Wilson, L.J. and McIntosh, C.A. (2002) Quantification of the production of dihydrokaempferol by flavanone 3-hydroxytransferase using capillary electrophoresis. *Phytochemical Analysis* 13 (2), 69-74.

Leadership Roles (Committees, Boards, Advisory, etc.)
UH-Manoa Campus Co-coordinator for NIH INBRE Program (2018 to Current)
CTAHR Ad Hoc Research Advisory Committee (Current)
CTAHR Faculty Senator for MBBE (2017 to current)
CTAHR Faculty Senate Research Committee member (2017-2018)
CTAHR Faculty Senate Academic Committee member (2018-2019)
CTAHR Faculty Senate Personnel Committee member (Current)
CTAHR Undergraduate Retention "Think Tank" member (2017)
CTAHR SRS (Research Day) Symposia Coordinating Committee (2019 - current)
MBBE Molecular Interactions Assistant Professor Search Committee (2019)
MBBE APT Search Committee (2019)
Phytochemical Society of North America Awards and Recognition Committee (Current)
Phytochemical Society of North America Membership Committee (Current)
Phytochemical Society of North America Meeting Scientific Organizing Committee (2019)
Editor for a special issue "Advances in Citrus Research" of the journal Plants (Current)

Graduate Students

Category	Current Number of Students	Number Graduated (Career)
Chair of Master's Committees	2	
Chair of PhD Committees	1	
Member of Master's Committees	4	6
Member of PhD Committees	5	2

Grant Support
Title of Grant: Development of Natural Products from Hawaiian Plants for Medicinal and Agricultural Applications
Source of Grant: SURE
Total Dollar Value (Your share of the grant value): $4617
Dates of Grant: 2019
Role (PI, CoPI): PI

Title of Grant: Identification and Mode of Action of Herbicidal Natural Products from Tropical and Subtropical Plants

Source of Grant: USDA
Total Dollar Value (Your share of the grant value): $50,000
Dates of Grant: 2019 – present
Role (PI, CoPI): PI

Title of Grant: Identification and Mode of Action of Herbicidal Natural Products fromTropical and Subtropical Plants
Source of Grant: USDA
Total Dollar Value (Your share of the grant value): $2000
Dates of Grant: 2017 – present
Role (PI, CoPI): PI

Presentations at Conferences

Talks

Title: The Utilization and Unique Biochemistry of Natural Products
Authors: Daniel K. Owens*
Name of Conference: Meeting of the Hawai'I Botanical Society
Location: Manoa, HI
Date of Presentation: 2019

Title: Determining the Metabolic Organization and Enzymology of the *Citrus sinensis* Flavonoid Biosynthetic Pathway
Authors: Daniel K. Owens*
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: Johnson City, TN
Date of Presentation: 2019

Title: Identification and Mode of Action of Natural Product Herbicides
Authors: Daniel K. Owens*
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: Columbia, MO
Date of Presentation: 2017

Title: Sarmentine, a Natural Product Herbicide with Multiple Modes of Action
Authors: Daniel K. Owens*
Name of Conference: Oahu Weed Management Workshop
Location: Haleiwa, HI
Date of Presentation: 2017

Title: Glyphosate Resistant and Conventional Canola Responses to Glyohosate and AMPA Treatment
Authors: Daniel K. Owens*
Name of Conference: Annual Meeting of the Weed Science Society of North America
Location: San Juan, Puerto Rico
Date of Presentation: 2016

Title: Sarmentine, a Natural Piper Amide Herbicide with Multiple Modes of Action
Authors: Daniel K. Owens*
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: Urbana-Champaign, IL
Date of Presentation: 2015

Title: Natural Product Herbicides.
Authors: Daniel K. Owens*
Name of Conference: New Mexico State University Department of Entomology, Plant Pathology, and Weed Science Seminar Series

Location: Las Cruces, NM
Date of Presentation: 2015

Title: Mode of Action of Natural Product Herbicides
Authors: Daniel K. Owens*
Name of Conference: Mississippi State Plant and Soil Sciences Departmental Seminar
Location: Starkville, MS
Date of Presentation: 2015

Title: Metabolism of Glyphosate and Aminophosphoric Acid in Glyphosate resistant and Conventional Canola (Brassica Napus L.)
Authors: Daniel K. Owens*
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: Raleigh, NC
Date of Presentation: 2014

Title: Impact of Physico-Chemical Properties on the Uptake, Translocation, and Metabolism of the Herbicidal Compound Leptospermone
Authors: Daniel K. Owens*
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: Corvallis, OR
Date of Presentation: 2013

Title: Identification and Characterization of *Citrus paradisi* Secondary Metabolite Glucosyltransferases
Authors: Daniel K. Owens*
Name of Conference: Joint Annual Meeting of the American Society of Pharmacognosy and the Phytochemical Society of North America
Location: St. Petersburg, FL
Date of Presentation: 2010

Title: Identification and Biochemical Analysis of Secondary Product Glucosyltransferases of *Citrus* p*aradisi*
Authors: Daniel K. Owens*
Name of Conference: Annual Meeting of the Southern Section of the American Society of Plant Biologists
Location: Knoxville, TN
Date of Presentation: 2010

Title: Identification and Biochemical Analysis of Secondary Product Glucosyltransferases of *Citrus* p*aradisi*
Authors: Daniel K. Owens*
Name of Conference: Appalachian Student Research Forum
Location: Johnson City, TN
Date of Presentation: 2010

Title: Citrus Flavonoid Glycosides: *In planta* Roles, Commercial Importance, and Biochemical Analysis.
Authors: Daniel K. Owens*
Name of Conference: King College Science Seminar Series
Location: Bristol, TN
Date of Presentation: 2009

Title: Biochemical Characterization, and Structure Function Analysis of a Flavonol 3-O-Glucosyltransferase from *Citrus paradisi*.
Authors: Daniel K. Owens*
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: Towson, MD
Date of Presentation: 2009

Title: Identification and Characterization of Putative Flavonoid Glucosyltransferases from *Citrus paradisi*.

Authors: Daniel K. Owens*
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: St. Louis, MO
Date of Presentation: 2007

Title: Characterization of 2-Oxoglutarate Dependant Dioxygenases Leading to the Production of Flavonols in *Arabidopsis thaliana*
Authors: Daniel K. Owens*
Name of Conference: ETSU Department of Biological Sciences and Department of Health Sciences Seminar Series
Location: Johnson City, TN
Date of Presentation: 2005

Title: Characterization of 2-Oxoglutarate Dependant Dioxygenases Leading to the Production of Flavonols in *Arabidopsis thaliana*
Authors: Daniel K. Owens*
Name of Conference: 2nd Annual Virginia Tech Biology Department Research Forum
Location: Blacksburg, VA
Date of Presentation: 2005

Title: Examination of 2-Oxoglutarate Dependent Dioxygenases in the Central Flavonoid Biosynthetic Pathway of *Arabidopsis thaliana*.
Authors: Daniel K. Owens*
Name of Conference: Virginia Tech Biology Department Botany Seminar Series
Location: Blacksburg, VA
Date of Presentation: 2002

Title: Examination of 2-Oxoglutarate Dependent Dioxygenases in the Central Flavonoid Biosynthetic Pathway of *Arabidopsis thaliana*
Authors: Daniel K. Owens*
Name of Conference: Plant Molecular Biology Discussion Group
Location: Blacksburg, VA
Date of Presentation: 2002

Title: Development of a Sensitive Quantitative Assay for Flavanone 3 Hydroxylase
Authors: Daniel K. Owens*
Name of Conference: Beta Beta Beta regional meeting in conjunction with the 60th annual conference of the Association of Southeastern Biologists
Location: Wilmington, NC
Date of Presentation: 1998

Posters
Title: Quantification of Phytochemicals in Native Hawaiian Plants
Authors: Barone, RP* and D.K. Owens
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: Johnson City, TN
Date of Presentation: 2019
Awarded 1st Place MS Division

Title: The Search for Novel Herbicidal Natural Products in Strawberry Guava
Authors: Ooka, J. K* and D. K. Owens
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: Johnson City, TN
Date of Presentation: 2019

Title: Total Phenolic Content (TPC) of Native Plants in Hawaii.
Authors: Arruda, D.* and D.K. Owens

Name of Conference: NHSEMP Final Presentations
Location: Manoa,HI
Date of Presentation: 2019

Title: *Nānā I ke Kumu Lā'au: Hawaiian Flora as Medicinal Sources.*
Authors: Barone, R.P.* and D.K. Owens
Name of Conference: CTAHR Student Research Symposium
Location: Manoa, HI
Date of Presentation: 2019

Title: The Flavonoid Metabolon: Organization of a Metabolic Factory in Orange (*Citrus sinensis*)
Authors: Knittel,D.*, Porter, L., and D.K. Owens
Name of Conference: CTAHR Student Research Symposium,
Location: Manoa, HI
Date of Presentation: 2019

Title: Strawberry Guava as a Source of Natural Herbicides: Utilizing the Chemical Warfare Capacity of an Invasive Species for Human Benefit.
Authors: Ooka, J.K.*, and D.K. Owens
Name of Conference: CTAHR Student Research Symposium
Location: Manoa, HI
Date of Presentation: 2019

Title: Allelopathic Effects of Native and Non-Native Hawaiian Plants on Monocots and Dicots.
Authors: Hara, S.* and D.K. Owens
Name of Conference: SURE Symposium
Location: Manoa, HI
Date of Presentation: 2019

Title: Identifying Interactions between Glycosyltransferases in the Flavonoid Biosynthetic Pathway with *Citrus sinensis*
Authors: Porter, L.*, Knittel, D., and D.K. Owens
Name of Conference: INBRE Biomedical Sciences and Health Disparities Symposium
Location: Honolulu, HI
Date of Presentation: 2019

Title: Hidden Potential of Strawberry Guava
Authors: Watkins, L.M.*, Barone, R.P., and D.K. Owens
Name of Conference: Spring Undergraduate Showcase
Location: Manoa, HI
Date of Presentation: 2019

Title: Quantification and Total Phenolics in Bidens to Estimate Antioxidative Capability
Authors: Barone, R.P.*, and Keeley, S.C. and Owens, D.K.
Name of Conference: 3 Minute Thesis
Location: Manoa, HI
Date of Presentation: 2019
Awarded 1st Place UG Division

Title: Quantification and Total Phenolics in Bidens to Estimate Antioxidative Capability.
Authors: Barone, R.P.*, and Keeley, S.C. and Owens, D.K.
Name of Conference: CTAHR Student Research Symposium
Location: Manoa, HI
Date of Presentation: 2018
Awarded 1st Place UG Division

Title: The Search for Novel Herbicidal Natural Products
Authors: Ooka, J. K.*, Dayan, F.E. and D.K. Owens, 2018.
Name of Conference: CTAHR Student Research Symposium
Location: Manoa, HI
Date of Presentation: 2018

Title: Cloning and Characterization of Citrus Flavone Synthase II (FNSII)
Authors: Smith, N.* and D.K. Owens
Name of Conference: CTAHR Student Research Symposium,
Location: Manoa, HI.
Date of Presentation: 2018

Title: The Search for Novel Herbicidal Natural Products
Authors: Ooka, J. K.* and D.K. Owens
Name of Conference: UH-Manoa Plant Sciences Symposia
Location: Honolulu, HI
Date of Presentation: 2018
Awarded 1st Place Poster Presentation

Title: The Search for Novel Herbicidal Natural Products
Authors: Ooka, J. K.* and D.K. Owens
Name of Conference: American Society of Plant Biologists: Plant Biology 2017
Location: Honolulu, HI
Date of Presentation: 2017

Title: A depsipeptide from the pathogenic fungi Bukholderia sp. A396 targets plant histone deacetylases.
Authors: Dayan, F.E.*, Owens, D.K., Carbonari, C.A. and G.L.G.C. Gomes
Name of Conference: Weed Science Society of America Annual Meeting
Location: Tucson, AZ.
Date of Presentation: 2017

Title: Biochemical Analysis of a Putative Limonoid Glucosyltransferase From *Citrus paradisi*
Authors: Owens, D.K.* and C.A. McIntos
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: Kona, HI
Date of Presentation: 2011

Title: Heterologous Expression and Characterization of Recombinant Putative Glucosyltransferase Clone 3 from Grapefruit.
Authors: Hayford, D.*, D.K. Owens, and C.A. McIntosh.
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: Kona, HI.
Date of Presentation: 2011

Title: Heterologous Expression in Yeast and Biochemical Characterization of Recombinant Putative Glucosyltransferase 9 from *Citrus paradisi*
Authors: Wamucho, A.*, D.K. Owens, and C.A. McIntosh
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: Kona, HI
Date of Presentation: 2011.

Title: Cloning and Expression of a Putative Secondary Product Glucosyltransferase Clone, PGT10, from *Citrus paradisi* using *E. coli* and Agrobacterium-Mediated Transient Expression in *Nicotiana tobacum*.
Authors: Lin, Z.*, D.K. Owens, and C.A. McIntosh
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: Towson, MD

Date of Presentation: 2009

Title: Heterologous Expression and Elucidation of Biochemical Function of Putative Flavonoid Glucosyltransferase Clones from *Citrus paradisi*
Authors: Mallampalli, V.S., D.K. Owens, and C.A. McIntosh
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: Towson, MD
Date of Presentation: 2009

Title: Secondary Product Glucosyltransferase Expression During *Citrus paradisi* Growth and Development
Authors: Daniel,J.J.*, D.K. Owens, and C.A. McIntosh
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: Towson, MD
Date of Presentation: 2009

Title: Identification, Recombinant Expression, and Biochemical Characterization of a Flavonol-3-O-Glucosyltransferase from *Citrus paradisi*.
Authors: Owens, D.K.* and C. McIntosh
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: Pullman, WA
Date of Presentation: 2008

Title: Determining Secondary Product Glucosyltransferase Expression during *Citrus paradisi* Growth and Development
Authors: Daniel, J.J.*, D.K. Owens, and C.A. McIntosh
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: Pullman, WA
Date of Presentation: 2008

Title: Heterologous Expression and Elucidation of Biochemical Function of Two Putative Flavonoid Glucosyltransferase Clones (PGT2 and PGT3) from *Citrus paradisi*
Authors: Siddhartha, M.V.K.P.*, D.K. Owens, and C.A. McIntosh
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: Pullman, WA
Date of Presentation: 2008

Title: Using Graph Theory Models to Predict Secondary Product Glucosyltransferase Function
Authors: Knisley, D., E. Seier, D. Lamb, D.K. Owens and C. McIntosh*.
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: Pullman, WA
Date of Presentation: 2008

Title: Identification, Recombinant Expression, and Biochemical Characterization of a Flavonol-3-O-Glucosyltransferases from *Citrus paradisi*
Authors: Owens, D.K.* and C. McIntosh.
Name of Conference: Appalachian Student Research Forum
Location: Johnson City, TN
Date of Presentation: 2008
Awarded 1st Place Postdoc Division Poster

Title: Identification and Characterization of Putative Flavonoid Glucosyltransferases from *Citrus paradisi*
Authors: Owens, D.K.* and C. McIntosh
Name of Conference: Appalachian Student Research Forum
Location: Johnson City, TN
Date of Presentation: 2007

Title: Isolation and Identification of the Putative Glucosyltransferase PGT8 from *Citrus paradisi*
Authors: Cooke, J.K.*, D.K. Owens, and C. McIntosh.
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: St. Louis, MO
Date of Presentation: 2007

Title: Isolation, Analysis, and Expression of PGT2 and PGT3, Putative Glucosyltransferase Clones from *Citrus paradisi*.
Authors: Epling, L., S. McConnell, J. Asiago, D.K. Owens, and C.A. McIntosh*
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: St. Louis, MO
Date of Presentation: 2007

Title: Examination of the Flavonol Synthase Isoforms in *Arabidopsis thaliana*
Authors: Owens, D.K.*, A.B. Walton, and B. Winkel
Name of Conference: American Society of Plant Biologists: Plant Biology
Location: Orlando, FL
Date of Presentation: 2004

Title: Examination of 2-Oxoglutarate Dependent Dioxygenases in the Central Flavonoid Biosynthetic Pathway of *Arabidopsis thaliana*
Authors: Owens, D.K.* and B. Winkel
Name of Conference: 1st Annual Virginia Tech Biology Department Research Forum
Location: Blacksburg, VA
Date of Presentation: 2003

Title: Examination of 2-Oxoglutarate Dependant Dioxygenases in the Central Flavonoid Biosynthetic Pathway of *Arabidopsis thaliana*.
Authors: Owens, D.K.* and B. Winkel
Name of Conference: Virginia Tech Graduate Student Assembly 19th Annual Research Symposium
Location: Blacksburg, VA
Date of Presentation: 2003

Title: Examination of 2-Oxoglutarate Dependant Dioxygenases in the Central Flavonoid Biosynthetic Pathway of *Arabidopsis thaliana*.
Authors: Owens, D.K.* and B. Winkel.
Name of Conference: 14th International Conference on Arabidopsis Research
Location: Madison, WI
Date of Presentation: 2003

Title: Understanding Flavonoid Metabolism in Three Dimensions.
Authors: Winkel, B.S.J.*, C.D. Dana, D.K. Owens, D.R. Bevan, J.P. Noel, and S. Krueger
Name of Conference: 14th International Conference on Arabidopsis Research
Location: Madison, WI.
Date of Presentation: 2003

Title: Examination of 2-Oxoglutarate Dependant Dioxygenases in the Central Flavonoid Biosynthetic Pathway of *Arabidopsis thaliana*.
Authors: Owens, D.K.* and B. Winkel-Shirley.

Name of Conference: Gordon Research Conference on Macromolecular Organization and Cell Function
Location: Queens College, Oxford, UK.

Date of Presentation: 2002

Title: Characterization of Flavonol Synthase Isozymes in *Arabidopsis thaliana*.
Authors: Owens, D.K.* and B. Winkel-Shirley
Name of Conference: American Society of Plant Biologists: Plant Biology 2001
Location: Providence, RI.
Date of Presentation: 2001

Title: Quantification of Dihydrokaempferol Production by Flavanone 3-Hydroxytransferase Using Capillary Electrophoresis
Authors: Owens, D.K.*, T.L. Hale, L.J. Wilson, and C.A. McIntosh
Name of Conference: Annual Meeting of the Phytochemical Society of North America
Location: Bethesda, MD.
Date of Presentation: 2000

Title: Quantification of Dihydrokaempferol Production by Flavanone 3-Hydroxytransferase Using Capillary Electrophoresis
Authors: Owens, D.K.*, T.L. Hale, L.J. Wilson, and C.A. McIntosh.
Name of Conference: ETSU Quillen College of Medicine 16th Annual Research Forum
Location: Johnson City, TN
Date of Presentation: 2000

Title: Development of a Sensitive Quantitative Assay for Flavanone 3-Hydroxylase
Authors: * T.L. Hale, L.J. Wilson, and C.A. McIntosh
Name of Conference: ETSU Quillen College of Medicine 15th Annual Research Forum
Location: Johnson City, TN
Date of Presentation: 1999