

Dr. Alejandra Desormaux, 2006, plans to go into general practice after graduation.

Dr. Zachariah Marteney, 2006, will begin working at the Small Animal Medicine/Surgery/Emergency at Chesapeake Veterinary Referral Center, Towson, Maryland.



Congratulations to the 2012 Veterinary Medicine Graduates

Dr. Michelle Meyer, 2005, will begin working at the University of Missouri's College of Veterinary Medicine, Columbia. Missouri.

Dr. Johna Wallace, 2006, plans to go into general practice after graduation.



Alejandro Estrada

Nathan Garcia





Dwight Alexander, 2004, has finished law school at the University of Kansas and is in private practice.

Alejandro Estrada, 2010, attends Cleveland Chiropractic College in Overland Park, Kansas, and is halfway through his program of study. Estrada also took Part I of his board exams over spring break. His older brother and DSP alumnus, Uriel Estrada, is one year ahead of him at the same chiropractic college.

Morgan Fisher Isom, 2000, works at the U.S. Embassy in Islamabad, Pakistan.

Victoria Fort, 2009, has been hired by the State of Oklahoma's Department of Human Services in Muskogee, Oklahoma,

Nathan Garcia, 2005, works for Deloitte Tax LLP, a "Big 4" accounting firm. His home office is Kansas City, Kansas, but he has been living in New York City while working on a special project for the past five months. Garcia passed the CPA exam last fall.

Clemente Jaquez-Herrera, 2003, works as a designer at RTKL Architects in Dallas, Texas, passed all seven of his licensing exams, and is now a licensed architect.

Dwayna McFerren, 2003, will graduate from the University of Dayton Law School, in Dayton, Ohio, this May.

Dr. Kristy Morales, 2000, has finished her residency in obstetrics and gynecology and will be moving to Omaha's Offutt Air Force Base in Nebraska.

Dr. Reynaldo Morales, 2002, is in his residency for pediatric surgery in Wichita, Kansas. Samuel Ornelas, 2005, is finishing his second year of medical school through the University of Kansas.



Victoria Fort

A Special Thank You to Developing Scholars' Alumnus, Class of 2002,

Andrew Kowal for giving back to DSP so other students can have the same benefits that he enjoyed.

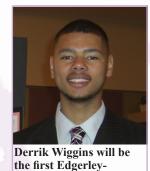
A Special Thank You to Jim and Connie Hamilton

for their support of the Developing Scholars Program. Dr. Hamilton is a K-State professor in philosop

A Special Thank You to **Pfizer Pharmaceuticals** for their support of the Developing Scholars in Agricultural and Pre-Veterinary Sciences.



Edgerley-Franklin Urban Leadership Celebrates First Graduate: Derrik Wiggins



Franklin graduate.

Now in its fourth year, Edgerley-Franklin Urban Leadership Scholars celebrate their first graduate. Derrik Wiggins, senior in Sociology with minors in Japanese and Leadership Studies, will be the first Edgerley-Franklin Scholar to don the cap and gown this May. Wiggins, who is from the original class of Edgerley-Franklin Scholars, says, "The meetings with Dr. Franklin were very helpful for keeping my goals in mind. Sometimes you get overwhelmed with all the school work, and he always revitalized me by reminding me of my ultimate goal: to help others. His support has meant so much to me." Wiggins also said that the Edgerley-Franklin Program provided him with excellent opportunities to engage in philanthropy in urban communities through the alternative school breaks that allowed him to work with people in Chicago and later to do work in Arizona. Wiggins also participated in a service abroad project through the Office of International Leadership Studies that took him to Kenya. Because of his passion for education, Wiggins is currently awaiting placement in the Japan Exchange and Teaching Programme (JET) beginning this fall. He intends to apply to Teach for America for the following year and attend graduate school the year after that.





Samuel Ornelas

Scholars Win Cancer Research Awards

awarded are as follows: Spring) **Tamura** (Fall and Spring) Spring) Spring) Spring)





Dwayna McFerrer

Dr. Revnaldo Morales



of Biomedical Research Excellence

(K-INBRE) Conference.







From left to right: Dr. **Bernard Franklin, Derrik** Wiggins, Stephanie Skinner, Chayce Wynn, Emma Brace, Jonathan Bernard, Mary Jackson, **Oscar Rodriguez (Salina** campus), Michelle Foster, Zachary Jones, and Paul **Edgerley.**

In 2011, a total of sixteen Cancer Research Awards went to Developing Scholars. Students and their faculty mentors each receive \$1000.00 for their research contributions. Scholars

Morgan Armbruster, senior in Microbiology/Pre-Medicine, Dr. T.A. Nguyen (Fall) Nallely Barron-Garcia, senior in Microbiology/Pre-Medicine, Dr. T.A. Nguyen (Fall) Kristina Bigelow, senior in Biology/Chemistry/Pre-Medicine, Dr. T.A. Nguyen (Fall and

Phuoc Bui, senior in Microbiology/Pre-Medicine, Dr. Mark Weiss (Fall) Luis Chavez, senior in Biology/Pre-Medicine, Dr. Thomas Barstow (Spring) Emma Del Real, senior in Biology, Dr. Loretta Passarelli (Spring) Stephanie Jacquez, senior in Food Science and Industry/Pre-Medicine, Dr. Masaaki

Pamela Maynez, senior in Chemistry/Pre-Medicine, Dr. Stefan Bossmann (Fall and

Edlin Ortiz, senior in Life Science, Dr. Dingbo Lin (Spring) Jimmie Stewart, senior in Biology/Gerontology/Pre-Medicine, Dr. Bruce Schultz (Fall and

David Villanueva, senior in Biology/Pre-Medicine, Dr. Stefan Bossmann (Fall and

Anib Wins Fulbright to Study in Mexico



Anib gives her acceptance speech at the awards reception for the 2012 Commerce **Bank Presidential Award for Enhancing Multiculturalism.**

Ariel Anib, senior in Sociology/Latin American Studies/International Studies/Pre-Law, won a Fulbright Scholarship to study in Mexico for one year. This prestigious program issues 8,000 grants world-wide for graduate study, advanced research, university lecturing, and classroom teaching each year. Anib is also minoring in Spanish, Nonprofit Leadership, and american Ethnic Studies, and she is the Edgerley-Franklin staff assistant and a Developing Scholars Alumna. In addition to her studies and DSP research. Anib has been involved in the Student Governing Association as the director of multicultural affairs, served as the multicultural assistant of Goodnow Hall, was a Leadership Studies ambassador, and has been involved with the Kansas State University Student Foundation. She took the initiative in planning K-State's Anti-Slavery Summit to inform the campus about human trafficking. Anib served as a leader for an alternative spring break service project in Chicago. Anib was honored earlier this year with the 2012 Commerce Bank Presidential Award for Enhancing Multiculturalism. She is the recipient of a K-State Hero Award, the Inaugural Wildcat Peace Award, the DSP Exemplary Scholar Award, and the Office of Student Life's Outstanding Senior Award. Anib is poised to make the Developing Scholars Program proud for many years to come.

What Comes Next?



Jaime Arreola

Barbara Braga

Jaime Arreola, Political Science/ Psychology/International Studies with a minor in Conflict Analysis and Trauma, will be joining an international service team in Brazil this summer and is waiting to be placed in the Peace Corps.

Barbara Braga, Creative Writing with a minor in Leadership Studies, is pursuing graduate studies in Student Personnel.

Alejandro De Luna, Construction Science and Management with a minor in Business, was hired by Turner Construction Company in Kansas City, Missouri. Johanna Diaz, Biology/Pre-Veterinary Medicine, begins her studies in Veterinary

Medicine at Kansas State University.

Jordan Eder, Microbiology with a minor in Animal Science and Industry, will start graduate studies in Immunobiology at Iowa State University this fall.

Isaac Falcon Campos, Psychology, will begin graduate studies at Kansas State Unviersity this fall in Family Studies and Human Services and ultimately intends to earn a Ph.D. in counseling.

Karmen Harris, Industrial Engineering, will begin her career as a Section Manager at Hallmark Cards in Lawrence, Kansas.

Matthew James, Bachelor's degrees in Economics and Industrial Engineering and a Master's Degree in Industrial Engineering, will work for Exxon Mobil Chemicals in Houston, Texas.

Perla Salazar, Mathematics, has been accepted into the Mathematics Ph.D. program at the University of Kansas.

Jimmie Stewart, Biology/Gerontology/Pre-Medicine, has been accepted to the University of Kansas Medical School.

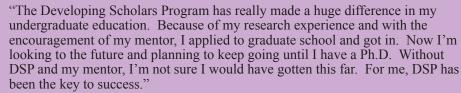


Alejandro De Luna



Johanna Diaz





-Isaac Falcon Campos, Third-Year Developing Scholar Psychology





During the Summer? Perla Salazar Conducted Research in California

While attending the 2011 Undergraduate Women in Mathematics Conference in Lincoln, Nebraska, Perla Salazar, senior in Mathematics mentored by Dr. Marianne Korten and Dr. Charles Moore, learned of a great opportunity to do summer research in California. The University of California Los Angeles (UCLA) partners with various companies each year to offer the Research in Industrial Projects for Students (RIPS) Program. RIPS allows students to work in applied mathematics. Each company provides a real-world project for students to work on. Salazar's skills placed her on a project for the Los Angeles Police Department (LAPD). Her team was asked to create a computer program which would predict the likelihood of crime occurring at various sites based on historical crime statistics and data. By the time the summer research was over, the computer program was being tested, and this program has since been implemented at the LAPD.

Some Scholars Conduct Research at K-State over the Summer



gram.

Rowland's lab where she studies the virus through cell culture work. time, they hope to develop a vaccine.

Scholar Priscilla De Los Santos, senior in Animal Sciences and Industry/Biotechnology with a Bioscience option, begins working with Dr. Rowland this coming summer, as she pursues her Master's Degree in Biomedical Veterinary Science at Kansas State University this fall. De Los Santos's current mentor is Dr. Michael Kenney, Professor/Interim Department Head of Anatomy and Physiology.

Karmen Harris

Matthew James

Jimmie Stewart



Perla Salazar

Developing Scholars' Alumnus Spotlight



Sampson-Bellot conducted back-

ground research in Hale Library.

Mendoza holding a three-toed sloth.

After completing a one-year post-baccalaureate program at Syracuse University, Developing Scholars' Alumnus Jorge Mendoza began working on his Master's degree in Forest and Wildlife Ecology at the University of Wisconsin in Madison. Every six months, Mendoza travels to Costa Rica for two weeks in order to gather samples that he later analyzes in the Peery Conservation Biology Lab. He is currently conducting research on two-toed and three-toed sloths in Costa Rica. His research interests include population biology, behavior ecology, and evolutional ecology of tropical birds and mammals. After earning his Master's degree Mendoza plans to pursue a Ph.D. and continue his research on the ecology, evolution, and genetics of birds and mammals of the tropics

When asked how the Developing Scholars Program helped him beyond K-State, Mendoza said, "DSP taught me how to network. You can be a great scientist and thinker, but that will only get you so far. You have to learn how to network, and DSP really helped me with that." Mendoza also provides regular and much-appreciated donations to support the program.



Salazar (third from left) and her RIPS team pose for a photo after presenting their project at the conclusion of the summer research experience.

Developing Scholar Alexia Sampson-Bellot, junior in Animal Sciences and Industry/Pre-Veterinary Medicine, got the opportunity to begin working on research over the summer. She began research on PRRS, a swine virus, at the Large Animal Research Center (LARC) with Dr. Raymond Rowland, Professor in Diagnostic Medicine and Pathobiology. Sampson-Bellot has continued working on this research for the Developing Scholars Pro-

The research required the collection of saliva and blood samples from infected pigs. This particular virus is not transmittable to humans, although it causes lung problems within pigs. After two months of collection, Sampson-Bellot began analyzing the samples in Dr.

She says the most difficult thing is to keep the cell cultures alive. In



De Los Santos



Scholars Win Ecological Genomics Internships

Kansas State University's Ecological Genomics Institute offers a limited number of scholarships each year for Undergraduate Research and Mentoring. These scholarships allow undergraduates to work on research with a faculty mentor in the field of ecological genomics, where ecology and genetics are studied in tandem. Researchers in this field work to gain an understanding of the genetic mechanisms that help organisms survive in various

types of environments. They accomplish this by characterizing and identifying the specific genes that enable adaptation and evolution of a species.

Four Developing Scholars were awarded \$15,000.00 internships 2012-2013. They are Stephanie Jacquez, senior in Food Science and Industry/ Pre-Veterinary Medicine, and Sofia Sabates, freshman in Psychology/Pre-Veterinary Medicine.

Joshua Ames and Kale Lothamer will continue in their internships for a second year.

Completed applications for the Ecological Genomics Institute's Undergraduate Research and Mentoring Scholarship are due annually in March.

Congratulations to the 2012-2013 awardees!

Abraham

Denner, junior in Mi-

crobiology, conducts re-

search for the Ecological

Genomics Institute with

Dr. Michael Herman,

Professor in Biology.

Their research focuses

on characterizing grass-

land soil nematodes,

which are microscopic

round worms. On the

rare occasion, Denner

does collect nematode

samples from the Konza

Prairie, but he mainly

studies the reproductive

cycle of the previously

collected nematodes

while working to main-

tain the lab's living sam-

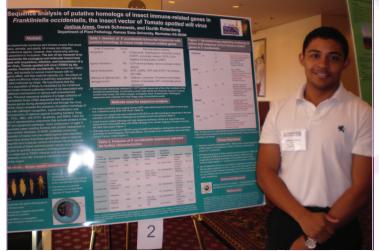
ples from the Konza.

Dr. Herman studies the

effects nitrogen has on

Combatting a Crop Killer

As part of the Undergraduate Research and Mentoring Grant for Ecological Genomics, Joshua Ames, a junior in Biology/Pre-Medicine, studies the Tomato Spotted Wilt Virus (TSWV) with Associate Professor Dr. Dorith Rotenberg. This plant virus is transmitted by western flower thrips, which are microscopic lice-like insects. After biting an infected plant, TSWV then enters the thrip, but appears not to harm the insect. When the infected thrip bites another tomato plant, TSWV is transmitted from the insect to the plant. The research includes analyzing the effects of TSWV on both plants and thrips to determine how the thrip fails to succumb to the virus while the plant becomes infected. Even more puzzling, younger plants tend to die from TSWV, but older plants



Ames presented his research for Dr. Rotenberg at the annual **Ecological Genomics Conference in Kansas City, Kansas.**

can fight it off.

In understanding how the thrips resist TSWV. Dr. Rotenberg and Ames hope to discover how to stop the virus from spreading. While a type of plant vaccine would be one way to stop TSWV, discovering a way for the virus to infect the insect host and kill it would spare many crops.



Denner pauses in his research for a photograph. He uses an electronmicroscope to view the nematodes he studies.

the plant life and on nematodes from the Konza Prairie. In working on this research, they hope to gain a greater understanding of the overall ecosystem while establishing what each nematode species does for its environment and how they do it. Additionally, Denner and Dr. Herman study the nematodes' life cycle in hopes of determining what impact each nematode species has on the Konza Prairie's complex ecosystem.

Characterizing the Konza

Genomics Institute undergraduate researcher, Kale Lothamer, a junior in Animal Science and Industry, works with **Dr**. Ari Jumpponen, Associate Professor in Biology, on fungal ecological research. Lothamer collected samples at City Park and on Kansas State University's campus in order to study the urban ecology of fungi in the city of Manhattan. He looks at the diversity of species found in urban areas and compares the species present with those present in nearby rural areas. This research is done in hopes of understanding the various ways species of fungi adapt to survive in different environments. Lothamer hopes to continue this research next year.

"For me, both the process of learning to do research and the personal attention DSP gave me turned out to be game changers. First, learning to work with a professor on an individualized research project taught me how it's done... Classrooms can only do so much, and DSP helps fill the gap where I wanted more of a challenge out of college. It wasn't until graduate school that



I realized how much all of this meant to me, though. Every single one of my graduate classes reminded me in some way of something I had learned through DSP, and I realized that DSP had prepared me for this work [beyond] undergraduate courses I had taken. I am proud to say that I graduated at the top of my class from the University of Denver."

-Danielle English, DSP Alumna, Class of 2004 Public Policy Associate, Cater Communications San Francisco Bay Area



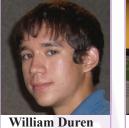
'DSP definitely helped me beyond K-State! The symposiums prepared me for professional presentations I've made in grad school and interviewing. DSP nurtured that "inner nerd" in me and keeps me researching and staying on top of news not only in my industry, but worldwide."

-Thuy Kieu Nguyen, DSP Alumna, Class of 2002

Michelle Foster Ph: Congratulations to Scholars **Phillip Gomez** for being inducted into Mortar Board.











Adrian Gomez

Kale Lothamer

4

For more information about the Ecological Genomics Institutes' Undergraduate Research and Mentoring Scholarships, please visit http://ecogen.ksu.edu/

Fun with Fungus

As an Ecological



Lothamer collects fungi samples at City Park for analysis.





Pamela Maynez



Mayra Perez-Fajardo



Perla Salazar



Stephanie Skinner



Caleb Wurth

What Do Scholars Do

Michelle Foster Studied in China

Last summer, Scholar Michelle Foster, senior in Political Science/American Ethnic Studies/Pre-Law, participated in a study abroad program, lead by Dr. Han Yu, Assistant Professor in English, to Beijing, China. The group stayed in a hostel right outside the gates of the Beijing Language and Culture University, which is where they interacted with the Chinese students and faculty. Highlights of her trip included walking a large portion of the Great Wall and visiting the Forbidden City, The Temple of Heaven, and Tiananmen Square. Foster also enjoyed foods unlike anything she had ever eaten before that were prepared by outdoor venders. Foster would gladly go back to China and recommends that everyone broaden their college education by adding in a study abroad experience. Foster's research mentor is Dr. Tanya González, Associate Professor in English.



Michelle poses for a photo with a golden elephant while visiting the Forbidden City in Beijing.

Caleb Wurth Gains Work Experience through Internships



Wurth presenting his research at the Developing Scholars Program's 2011 Poster Symposium.

Caleb Wurth, junior in Agricultural Economics, Milling Science & Management, Feed Science & Management, has made the most out of his years in Developing Scholars working with Dr. Leland McKinney, Associate Professor, Grain Science and Industry. Now in his third and final year, Wurth has multiple internships on his vitae as well as several trips out of country. Wurth had barely finished his first year of college when he landed his first internship with Cargill/Horizon Milling in Mt. Pocono, Pennsylvania, Although young and with limited experience, he must have impressed his supervisors because the following year, he applied for and received an animal nutrition internship with Cargill in Ferndale, Washington. He was a business management intern in ingredient merchandising. This summer Wurth will remain closer to home as he has accepted a merchandising internship with Cargill/ Horizon Milling in Overland Park, Kansas.

Wurth has more on his vitae than internships, however. He has participated in an Agronomy tour of Argentina to assess agricultural productivity and traveled to Colombia and Panama with an FFA ICAL agricultural study team. The team conducted an in-depth evaluation of the effect of United States free trade agreements on Colombian and Panamanian agriculture. Among the sectors analyzed were feed mills, co-ops, dairy producers, beef ranchers, cocoa plantations, sugar plantations, fruit farms, and grain elevators.

Stephanie Skinner Studied in Spain

Stephanie Skinner, senior in Animal Sciences and Industry/Pre-Veterinary Medicine and mentored by Dr. Maria Ferrar, began studying Spanish in middle school years before she actually travelled to Spain. Due to her lengthy studies, she had no problem communicating in Spanish and even translated for some less proficient students. Yet she was surprised by how many people would speak to her in English once they heard her accent. While in Spain, Skinner attended the University of Salamanca where she took a course on Spanish grammar, one on poetry, and a class on women in the history of Spain. Skinner and three other students stayed with an older Spanish couple. Skinner says, "The food my Spanish mom made was amazing. I even gained a little weight even though we walked so much." In fact, Skinner enjoyed her experience abroad so much that she is planning to study in New Zealand for a semester. Skinner's ulimate goal is to visit every continent. So far, she has visited Mexico, Peru, Uruguay, Israel, Jordan, Egypt, the Netherlands, Austria, Spain, and Portugal leaving her with only three continents to visit to reach her goal.



Skinner poses with a turtle carved into La Sagrada Familia, a church in Madrid that has been under construction since the 1920's.

"Dr. Tanya Gonzalez is without a doubt one of the best mentors I have ever had in my life," proclaims Michelle Foster.

"She has not only been a mentor in research and learning, but a mentor in life. Dr. Tanya has become more than my boss, but someone that I can go and talk to about anything, whether it is school-related or a personal issue. What makes her so special is that she genuinely cares about my academic and personal growth. It's not just about me doing the research project; it's about what I learned through this research and how I can further "As a first-generation college graduate, mentoring was crucial to my own educational and professional success. The opportunity to work with my Developing Scholars Program students was, I thought, a small way to pay that educational mentoring forward. It has been a real joy watching my scholars grow in confidence and ability through the first three years of University life. What I found beyond the teaching and mentoring elements of DSP, however, was the gift of working with intelligent and inspiring individuals who week after week invigorated my own research and scholarly pursuits." -Dr. Tanya Gonzalez, Associate Professor **Department of English**

apply that in my future studies. Dr. Tanya is also wonderful in that she takes my views and suggestions to heart.

Foster reports that working with Dr. Gonzalez has increased her understanding of how to successfully use library and internet research tools. She also taught Foster how to write good abstracts, to do interlibrary loans, read and dissect scholarly works, use online catalogues, prepare proper citations and bibliographies, and helped improve her writing skills. Foster says she has also learned more about political and immigration issues and has a better understanding of media influences and perceptions of minorities.

Working with Dr. Gonzalez has influenced Foster's career plans and even her scholarly plans. Before working together, Foster was a major in Women Studies and debating whether to keep her Political Science major. After the first semester, Foster felt more secure in Political Science and added American Ethnic Studies as a major with a Women Studies minor. "Working with Dr. Gonzalez showed me just how much fun studying ethnicity and culture could be," Foster said.

Dr. Gonzalez has been instrumental in helping Foster strategize for her future. She is always willing to help when it comes to writing references, reviewing essays, or sending Foster career and scholarship information. On occasion, mentor and scholar have spent an entire weekly meeting discussing Foster's future. "I doubt she even understands how important that was to me, especially at times when I felt lost in what I wanted to do with my life," Foster says. "With her support, I know I have someone whom I can rely on to help me understand exactly which path I want to take in the future." Life lessons that Dr. Gonzalez has taught Foster are really simple, but very powerful: She has learned that sometimes what you start with is entirely different from where you end up (i.e. our project goals). "Dr. Tanya is one of my greatest mentors, and I know that even after I leave DSP, she will still be my mentor."

Developing Scholars Share Their Talents



At the DSP Talent Show, Falcon Campos and his partner, Copeland, performed a salsa dance.

A special thank you to our judges: Candice Hironaka, Senior Associate Director of the School of Leadership Studies; Alicia (Edison) Brunson, Instructor of American Ethnic Studies and DSP alumna; and Dr. Farrell Webb, Associate Professor in Family Studies and Human Services.

Leadership Studies and American Ethnic Studies, shared his juggling talent along with the story of how he taught himself this skill. The most prominent talent in the show was dancing. Morgan Armbruster, senior in Microbiology/Pre-Medicine with a minor in Dance, performed a contemporary jazz dance to John Mayer's I'm Gonna Find Another You. Alexia Sampson-Bellot, junior in Animal Sciences and Industry/Pre-Veterniary Medicine, performed an inter-

Are you interested in studying abroad? For more information, contact the Office of International Programs in person at 304 Fairchild Hall, by phone at 785-532-5990, or online at overseas@ksu.edu.

Developing Scholars' Faculty Spotlight



On February 19th, nine Developing Scholars participated in the first annual Developing Scholars' Talent Show. Phillip Hill, freshman in Entrepreneurship with a minor in Leadership Studies, and Priscilla De Los Santos, senior in Animal Sciences and Industry/Biotechnology with a Bioscience option, introduced each act and provided commentary between acts. After Pamela Maynez, senior in Chemistry/Pre-Medicine, performed some colorful chemistry magic, Elizabeth Riedy, senior in Biochemistry, shared a beautiful rendition of Bach's Bouree on her violin. Phillip Gomez, junior in Marketing with minors in



Xavier Gavin won the DSP **Talent Show's Art Exhibition** for his painting.

pretative dance to He Wants It All by Forever Jones. Isaac Falcon Campos, senior in Psychology, and his partner, Emily Copeland, won the competition with a salsa dance to Gilberto Santarosa's La Agarro Banjando.

Additionally, Xavier Gavin, senior in Interior Architecture and Product Design, was the first place winner of the art exhibition portion of the talent show which was determined by the audience's vote. Blake Franklin, junior in Graphic Design, and Jessica Nguyen, freshman in Animal Sciences and Industry, also participated in the art show.