



DEPARTMENT OF
ANIMAL & AVIAN SCIENCES



*Campus Foals Are Future
Thoroughbreds*

Cover Story

Campus Foals find new homes at Thoroughbred Auction

Dr. Amy Burk announced that Amazin Terp (aka Tessie) and Diamondback Fire (aka Rebel), the weanlings foaled on campus last spring as part of the department's new equine breeding program, have new owners. They joined 133 other Thoroughbreds at the Fasig-Tipton Midlantic December Mixed Sale on Monday, December 9, 2013 in Timonium, MD. Fasig-Tipton is one of the oldest premier auction houses for Thoroughbreds. Many famous Thoroughbred racehorses that won the Kentucky Derby were purchased at a Fasig-Tipton sale including Big Brown, Monarchos, and Funny Cide.

Tessie sold for \$3,000 and will have a wonderful home with **Mrs. Teresa Beste** of Christ is King Stables. Teresa is also the parent of Johnny Weiss who cared for the weanlings during the fall semester. Despite Rebel having pulled a muscle after shipping to the sales facility, he sold for \$9,000 to **Mr. Louis Rao, Jr.** who also owns a racing operation. Mr. Rao is a client of Country Life Farm who donated the stud service of Rebel's sire, Friesan Fire.

Proceeds from the sale will be used to support the equine breeding program. The main purpose of the equine breeding program developed by Dr. Burk is to enhance student learning experiences to better prepare them for future careers. Dr. Burk gave a special thanks to **Tim Shellem, Jennifer Reynolds** and the undergraduates who have worked hard to care for these foals and their broodmares and prepare them for sale. Those students were: **Kelsey Blocker, Kristen Brady, Lance Brody, Melinda Gilmer** (alum), **Hannah Gorrie, Amanda Lewis, Laura Michelotti, Steven Moirano, and Johnny Weiss.**



Campus foals Rebel (left) and Tessie (right) are shown at the Fasig-Tipton Midlantic December Mixed Sale

Faculty & Staff News

Promotion for Dr. Hamza

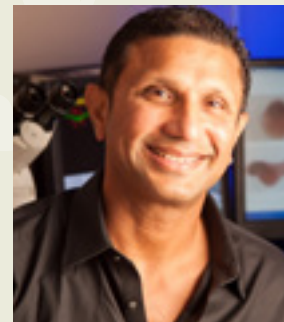
June 2013

Dr. Iqbal Hamza has been promoted from Associate Professor to Professor. Congratulations Dr. Hamza!

Dr. Hamza receives NIH Award

November 2013

The NIH awarded an administrative supplement of \$194,377 to **Dr. Iqbal Hamza** for his NIDDK R01 grant titled “The Biological Role of Heme in Nutrition” to purchase a COPAS BIOSORT flow cytometer. The COPAS (Complex Object Parametric Analyzer and Sorter) is a continuous flow system sorter capable of analyzing small and large quantities of objects from 20-200 microns in diameter. The offices of the Vice President of Research, Dean of AGNR, and the Chairs of ANSC and PLSA provided an additional \$97,188. No such instrument currently exists on campus.



Dr. Iqbal Hamza

Dr. Mary Ann Ottinger Leaves for University of Houston

September 2013

After a long and distinguished relationship with the University of Maryland **Dr. Mary Ann Ottinger** has left to accept the position of Associate Vice Chancellor for Research at the University of Houston, beginning in September, 2013.

Dr. Ottinger’s association with the University of Maryland has spanned over 35 years. She has witnessed and served the university starting as an undergraduate, continuing her education through graduate degrees, rising through the academic ranks to full professor, and serving in a number of administrative roles. Mary Ann Ottinger received a B.S. degree in biology, an M.S. degree in endocrinology, and a Ph.D. in ethology (Department of Zoology) from the University of Maryland. She was appointed assistant professor in the Department of Poultry Science in 1978 and progressed to the rank of full professor.

Dr. Ottinger contributed significantly to the establishment of a number of cross-disciplinary graduate programs at the University of Maryland, including ENSP, MEES, NACS, and BEES, and of course, she has contributed considerable leadership and mentorship to the ANSC graduate program, mentoring and advising a number of outstanding graduate and undergraduate students. Her role in the creation and continuing growth of the Environmental Science and Policy Program is particularly noteworthy.

In her research she studied neuroendocrine regulation and behavioral components of reproduction in birds and mammals. Developmental and aging processes were focus areas, especially as impacted by endocrine-disrupting chemicals. Studies included molecular and cellular bases of neuroendocrine processes as well as the dynamics of endocrine and behavioral responses at the system level. Dr. Ottinger had many long-standing collaborations with the National Zoo of the Smithsonian Institution and the Patuxent Wildlife Center.

Dr. Ottinger served as the President of the Poultry Science Association in 1995-96 and the President of the Federation of Animal Science Societies from 1998-99. She was recognized as a Fellow of the Poultry Science Association in 2005. From 2007-2008 Dr. Ottinger served as Interim Associate Dean of the Graduate School. From 2008-2011 she was the Associate Vice President for Research Compliance and Policy in the Division of Research for the University. Since 2011 she served as Deputy Coordinator for Cooperative Interactions and Grantsmanship at the Agricultural Research Service, USDA. Dr. Ottinger received the Dean Gordon Cairns Award, from the College of Agriculture and Natural Resources in 2011. She was a 2011-2012 ADVANCE Professor and an ADVANCE Fellow since 2012. We wish Dr. Ottinger much success in her new position.



Dr. Mary Ann Ottinger

Faculty & Staff News

Dr. Woods and Collaborators Awarded a 3-year USDA-NRAC Grant

October 2013

Dr. Curry Woods is a co-principle investigator with **Dr. David Berlinsky**, University of New Hampshire, Department of Biology, on a recently awarded \$119,000 USDA-Northeastern Regional Aquaculture Center Grant. The grant has been awarded and research is scheduled to begin at the Department of Animal and Avian Science's UM-Crane Aquaculture Facility later this fall. The research aims to determine if striped bass, through a comprehensive genetic evaluation of the range of geographic strains, are tolerant of seawater as juveniles and a potential candidate for marine aquaculture. One of the important goals of this research will be to provide identified salinity-tolerant striped bass brood stock to the industry. Dr. Woods' lab will employ and train several undergraduate students to assist in the evaluation of phenotypes from six different geographic strains in each of the first two years of the project to determine which genotypes are more favorable for use in ocean aquaculture.



Dr. Curry Woods

2013 Faculty/Staff Cookoff Results

September 2013

We had some stiff competition at the Cookoff last fall with many amazingly delicious entries to wow the crowd of students judging the event. When all the voting beans were weighed, these cooks emerged victorious:

Main Dish

First: Rockin' Ravioli - Sandra Nola

Second: The Hot Chick - Byung Kim

Third: Not Your Momma's Mac and Cheese - Kiera Finucane

Side Dish

First: Spinach and Artichoke Dip - Kasey Moyes

Second: Cheesy Mashed Potatoes - Rick Kohn

Third: A Cultural Bridge - From Rome to Dafeng - Zhengguo Xiao

Dessert

First: Extra Credit - Sarah Balcom

Second: Oreo Truffles - Bob Peters

Third: Jabba-The-Nut Cheesecake - Victoria Lake



Zhengguo Xiao, Rick Kohn, Bob Peters, Kasey Moyes, Sarah Balcom, Sandra Nola, Victoria Lake, Kiera Finucane and Byung Kim

For pictures from the event, visit www.ansc.umd.edu/gallery

Dr. Bequette and Collaborators Awarded a 3-year USDA-NIFA Grant

September 2013

Dr. Brian Bequette is a co-principle investigator with **Dr. Nathalie Trottier**, Michigan State University Department of Animal Sciences, on a recently awarded \$500,000 USDA-NIFA grant. The funding will begin in January 2014 with the University of Maryland portion amounting to over \$66,000. The research aims to determine the impact of dietary amino acid balance in lactating sows on heat production, lysine utilization and whole body N metabolism, and subsequent piglet growth performance. The overall goal of the research is to improve nutritional performance of lactating sows and their nursing pigs under heat stress conditions. Dr. Bequette will employ novel stable isotope approaches in the lactating sows to determine the influence of dietary amino acid balance on whole body lysine utilization for milk protein and muscle synthesis, muscle protein turnover and amino acid catabolism.

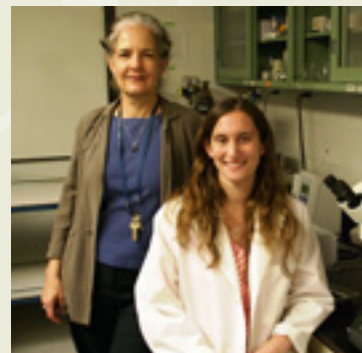


Dr. Brian Bequette

Faculty & Staff News

Dr. Carol Keefer and graduate student, Halli Sigal, Awarded Seed Grant *June 2013*

In June, 2013 a joint review panel of University of Maryland (UMD) faculty and Smithsonian Institution (SI) staff awarded a UMD-SI Seed Grant to **Dr. Carol Keefer, Halli Sigal, and Dr. Adrienne Crosier** for their proposal entitled “Elucidating spermatozoal energy metabolism and metabolic dysfunction in felids and teratospermic species.” The UMD-SI Seed Grant is for the amount of \$ 35,830 which is split between the two institutions. Funding, which is for one year, started in August, 2013.



Dr. Carol Keefer and Halli Sigal

Dr. Telugu awarded UMD-UM Seed Grant *June 2013*

On June 12, 2013, **Dr. Bhanu Telugu** and **Dr. Loren Thompson**, UMB, School of Medicine, were awarded a \$75,000 UMD-UM Seed Grant for their proposal titled, “Development of a Novel Animal Model for Human Preeclampsia.” There were 66 proposals submitted to the competition and only 7 were funded.



Dr. Bhanu Telugu

Dr. Andrew Schiffmacher awarded NIH NRSA Fellowship *May 2013*

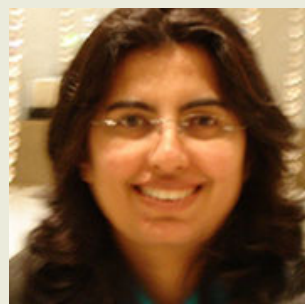
Postdoctoral research associate **Dr. Andrew Schiffmacher** was awarded the prestigious NIH Ruth L. Kirschstein NRSA F32 postdoctoral fellowship under the mentorship of **Dr. Lisa Taneyhill** and co-sponsor **Dr. Iqbal Hamza**. His over \$164,000 fellowship titled, “Proteolysis of Cadherins in Cranial Neural Crest” will be funded for 3 years by the NIH-National Institute for Dental & Craniofacial Research.



Dr. Andrew Schiffmacher

MSCRF Postdoctoral Fellowship *May 2013*

Dr. Anjali Nandal, a postdoctoral fellow in **Dr. Bhanu Telugu’s** laboratory, has been awarded a 2-year, \$110,000 postdoctoral fellowship from the Maryland Stem Cell Research Fund (MSCRF.) Dr. Nandal’s project aims at directed differentiation of human induced pluripotent stem cells into insulin producing beta-precursor cells for diabetes therapies. Remarkably, Dr. Nandal put together the grant proposal within the first month of joining the Telugu laboratory.



Dr. Anjali Nandal

Milestones in Years of Service *May 2013*

The department is proud to acknowledge the service milestones of three staff members. **Janice Barber**, Business Service Specialist, has achieved 30 years of service at the University of Maryland, all with this department, dating back to before the merger of Animal Sciences and Poultry Science. **Kiera Finucane**, Coordinator of Dairy-Beef Extension Activities and **Dr. Angela Black**, Coordinator of Animal Care, both marked their five years at the university and with the department. These three outstanding staff members were recognized for their service at the AGNR Convocation and Awards Ceremony on May 8 at the Riggs Alumni Center.



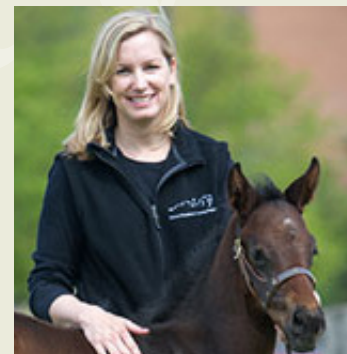
Left to Right
Kiera Finucane, Dr. Angela Black,
Janice Barber

Faculty & Staff News

Amy Burk Awarded Excellence in Extension

May 2013

Dr. Amy Burk received the award for Excellence in Extension at the AGNR Alumni Celebration held on April 16, 2013 at the Riggs Alumni Center. Dr. Burk coordinates the Equine Extension Program for University of Maryland Extension focusing on three major areas: equine nutrition, horse pasture management and 4-H youth development. Dr. Burk is credited with developing an extensive applied research program to support her Extension efforts in areas including weight gain, diet and exercise on insulin sensitivity and inflammation in Thoroughbred geldings and works with a team of 23 on an equine pasture management program at the Central Maryland Research and Education Center located in Howard County. She also created an “Ask the Experts” column featured in major equine publications, is a regular presenter at the Horse World Expo and coordinates the Maryland 4-H volunteer horse council.



Dr. Amy Burk

Debu Biswas Speaker at AGNR Convocation

May 2013

At the AGNR 2013 Convocation and Awards Ceremony on May 8 at the Riggs Alumni Center, **Dr. Debu Biswas** was a featured speaker during the morning program about promoting public health through our food supply. His talk was on “Controlling Bacteria in Poultry Products.”



Dr. Debu Biswas

Sandra Nola On-Campus Staff Excellence Award

May 2013

Faculty and staff from the College of Agriculture and Natural Resources (AGNR) came together on Wednesday, May 8 for the 2013 Convocation and Awards Ceremony at the Riggs Alumni Center. **Sandra Nola**, our Director of Administrative Services won On-Campus Staff Excellence Award.

Sandra Nola joined the Department of Animal and Avian Sciences in 2010 as Director of Administrative Services. She was hired to oversee all of our budgets, employee contracts, personnel functions, financial and administrative reporting, resource allocations, facilities planning, and purchasing. Sandra has performed exceptionally well in all of these responsibilities. Her broad background in all areas of administration and her relationships with key university stakeholders make her an outstanding resource to faculty, staff and students. Sandra’s work ethic incorporates a can-do attitude and she actively seeks ways to relieve faculty of administrative burdens wherever possible. Sandra has no problem learning new systems and incorporating new business processes. She has a keen eye for seeing the big picture and ways to improve customer service to the department.

A graduate of Penn State University, Sandra has held many positions in the private and public sector before joining UMD in 1994. She willingly serves on multiple department and college committees. Sandra is a creative problem solver who loves a challenge. She is known to “roll up her sleeves” and assist in any manner. Her attitude is upbeat which allows people to feel at ease.

Sandra Nola is an outstanding example of a staff member. She is a professional. She is responsible and conscientious. She works hard and is prepared in advance. She maintains a positive attitude and interacts well with everyone in the department. She is proactive, regularly looking for ways to improve our operations and department. Congratulations Sandra!



Sandra Nola

Dr. Yu Awarded Tenure

May 2013

Dr. Liqing Yu has received tenure and been promoted to the rank of Associate Professor with Tenure, effective in August. Congratulations Dr. Yu!



Dr. Liqing Yu

Student News

UMD Dairy Herd Draws Crowds at MD State Fair

October 2013

By Sara Gavin

While hanging out with a herd of dairy cows inside a barn for 11 straight days might not seem like a dream job to many, a group of students from the University of Maryland's College of Agriculture and Natural Resources (AGNR) saw it as an opportunity to promote something they're passionate about.

[Read More...](#)



Steven Moirano, Melissa Shaughness, Patrick Creighton, Lance Brody and Amber Lopez

Marie Iwaniuk Wins Poster Session at ADSA/ASAS Annual Meeting

July 2013

Marie Iwaniuk, graduate student in **Dr. Rich Erdman's** lab, had the first place poster in the Master's Degree Student Poster Competition at the Joint Annual Meeting of the American Dairy Science Association and the American Society of Animal Science held July 8-12 in Indianapolis. Her poster was entitled: "Increasing dietary cation-anion difference improves feed efficiency in lactating dairy cows." Marie was recognized with a citation at the ADSA Awards Program during the meeting.



Marie Iwaniuk

Tricia Rowlison Wins Travel Award

October 2013

Tricia Rowlison, graduate student in **Dr. Mary Ann Ottinger's** lab was awarded an International Conference Student Support Award by the Graduate School. The award was in the amount of \$295 to support the presentation of her work at the Society for the Study of Reproduction Annual Meeting July 22-26, 2013 in Montreal Canada.

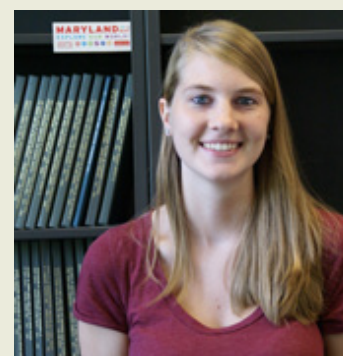


Tricia Rowlison

Emily Goodell receives honorable mention at New England Endocrine Conference

September 2013

Emily Goodell, a graduate student in Dr. Ed Orlando's lab, attended the 31st New England Endocrine Conference at the University of New Hampshire on September 14, 2013, where she was awarded an honorable mention for her poster presentation entitled "Ontogenetic Expression of Nuclear and Membrane Progesterone Receptors in the Fathead Minnow."



Emily Goodell

Student News

Annual Symposium

June 2013

On June 4 the department held its 27th Annual Symposium to showcase the year in research. **Dr. Alan Attie**, professor of Biochemistry at University of Wisconsin, Madison, was the keynote speaker. The talk he delivered on genetics of obesity and diabetes was entitled, "Genetic Deconstruction of Type 2 Diabetes." His lab is presently devoted to identification and characterization of new genes that confer susceptibility to obesity induced diabetes and contribute to diabetes complications.

The day featured oral presentations from graduate students and staff, a poster session, and our annual barbecue at the end of the day. Pictures are up in our photo gallery [at www.ansc.umd.edu/gallery](http://www.ansc.umd.edu/gallery)

Award Winners at the 2013 Annual Symposium

Ph.D. Student of the Year: **Lindsey Vansandt**

Masters Student of the Year: **Tyler Frankel**

Staff Member of the Year: **Sandra Nola**

Oral 1st Place: **Jason Sinclair**

Oral 2nd Place: **Halli Sigal**

Poster 1st Place: **Amy Weidman**

Poster 2nd Place: **Ankita Shah**

Post doc 1st Place: **Hongshun Yang**

Post doc 2nd Place: **Alexandria Richart**

The Shaffner Award for Poultry Research 1st Place: **Qiong Hu**

The Shaffner Award for Poultry Research 2nd Place: **Serajus Salaheen**



Dr. Liqing Yu (left) and Dr. Alan Attie (right)

Pelczar Award Winner

May 2013

Lindsey Vansandt, DVM, Ph.D. candidate in **Dr. Carol Keefer's** laboratory, has been awarded the Michael J. Pelczar Award for Excellence in Graduate Study for 2013 by the Graduate School. The Pelczar Award provides \$1,000 to a doctoral candidate who has served at least one academic year as a teaching assistant with commendable performance, and who has demonstrated excellence beyond his or her course work. Dr. Vansandt was the Teaching Assistant for the Physiology of Mammalian Reproduction lecture course in 2009 and Experimental Embryology in 2010. She has taught the Physiology of Mammalian Reproduction Laboratory as the instructor of record for the past three years and guest lectured in Introduction to Veterinary Medical Science and Practice (2012), Physiology of Mammalian Reproduction Lecture Course (2012), Experimental Embryology (2013), and Domestic Animal Endocrinology (2013).



Lindsey Vansandt

Student News

Maryland Day/Ag Day

April 2013

The weather was beautiful on April 27 for this year's Maryland Day/Ag Day and there was a great turnout. An estimated 105,000 people attended the campus-wide event. Maryland Secretary of Agriculture, **Buddy Hance** and UMD President, **Dr. Wallace Loh** joined AGNR Dean **Dr. Cheng-I Wei** and many of our alumni for the College's Alumni Breakfast in the courtyard. This year's Livestock Show on the Campus Farm was a rousing success thanks to the hard work and commitment of the participants, coaches, and judges. Congratulations to the Grand Champion, **Bret Bucci** and all the other winners. Here are all the results:



For pictures from the event, visit <http://www.ansc.umd.edu/gallery/>

2013 Ag Day Livestock Show Results

Swine Show:

Champion - **Bret Bucci**

Reserve Champion - **Rebecca Creighton**

Class 1: Novices

Bret Bucci - 1

Rebecca Creighton - 2

Class 2: Beginners

Jennifer Shapp - 1

Christina Francisco - 2

Lamb Show:

Champion - **Audrey Ervin**

Reserve Champion - **Chelsea**

Kahn-Deere

Class 1: Intermediates

Chelsea Kahn-Deere - 1

Grace Zhang - 2

Emily Diener - 3

Emily Cecil - 4

Class 2: Novice

Audrey Ervin - 1

Eliza Behzadi - 2

Alicja Reczynska - 3

Class 3: Beginners

Eva Klingelhut - 1

Mary Fernandes - 2

Alexandra Sanz - 3

Dairy Show:

Champion - **Kara Levin**

Reserve Champion - **Margaret**

Hines

Class 1: Beginners

Kara Levin - 1

Margaret Hines - 2

Patrick Creighton - 3

Beef Show:

Champion - **Tim Von Thun**

Reserve Champion - **Michelle**

Kurtovic

Class 1: Intermediates

Tim Von Thun - 1

Michelle Kurtovic - 2

Rebecca Creighton - 3

Our wonderful livestock judges were:

Swine: **Dr. Tom Hartsock**

Sheep: **Jen Reynolds**

Dairy: **Emily Yeiser**

Beef: **Bruce Bennett**

Our dedicated staff coaches:

Kiera Finucane

Jennifer Reynolds

Victoria Lake

Libby Dufour

Dr. Charlie Apter

Last but not least, our outstanding and enthusiastic student coaches without which this program would not have been possible:

Swine: **Jack Boniface**

Sheep: **Rebecca Creighton** and **Tim Von Thun**

Dairy: **Audrey Ervin** and **Michelle Kurtovic**

Beef: **Bret Bucci**

Grand Champion Show & Chad Clark Award:

Grand Champion - **Bret Bucci**

Chad Dulin Clark Memorial Herdsmanship Award

- **Tim Von Thun**

Alumni Dairy Class:

Group 1:

Stephanie Paultre - 1

Robbie Miller - 2

Nicole Fiorellino - 3

Group 2:

Nathan Glenn - 1

Kelly Brower - 2

Rebecca Stoecker - 3

Sigma Alpha Kiss-A-Pig:

Lindsey Vansandt

Extension News

Maryland 4-H Horsemen's Party Report

October 2013

The annual Horsemen's Party was held yesterday Sunday, October 6 in Clarksville. On behalf of the Maryland 4-H Horse Program and the Maryland 4-H Foundation we wish to say THANK YOU to everyone who supported the event in any way to make it successful! We sincerely appreciate all who attended the event, who donated and secured items for the auctions, who sold and purchased raffle tickets, and who generously sponsored or secured sponsors for this year's party. A special thanks to the members of the Horsemen's Party Planning Committee who diligently worked for many months to plan and offer the party and to the colleagues, volunteers, and state team members who stepped up at the party to help in so many different ways.

We were honored to recognize the 2013 recipients of three special awards:

- Maryland 4-H Horse Program Youth Development Award: **Conrad Arnold**
- Maryland 4-H Horse Program Volunteer Award: **Karen Macleod**
- Amelia Grace Dashiell 4-H Horse Scholarship: **Alana Hamann**

We congratulated the 4-H members who earned positions on the 2013 Maryland 4-H Horse Program competitive teams who will be representing Maryland 4-H at national contests held at the Quarter Horse Congress in Columbus, OH - October 14-17, 2013 and the Eastern National 4-H Horse Roundup in Louisville, KY - November 7-10, 2013. Good luck to our teams and coaches!

Horse Bowl Team

- **Mariah Chapelle**, Washington County
- **Jennifer Huffman**, Queen Anne's County
- **Olivia Richart**, Cecil County
- **Jenny Searles**, Montgomery County
- Coach: **Dr. Al Starr**, Howard County

Communications Team

- Public Speaking: **Hannah Cimbajevich**, Carroll County
- Individual Presentation: **Melissa Lempicki**, Montgomery County
- Team Presentation: **Olivia Stibolt**, Anne Arundel County and **Kimberly Zulauf**, Anne Arundel County
- Coach: **Karen Scott**, Carroll County

Hippology Team

- **Emily Sewell**, Montgomery County
- **Amber Snyder**, Montgomery County
- **Erin Snyder**, Montgomery County
- **Alyssa Sumpter**, Howard County
- Coach: **Darryll-Ann Buschling**, Howard County

Horse Judging

- **Samantha Barlage**, Anne Arundel County
- **Taylor Garner**, Calvert County
- **Sarah Sebbane**, Montgomery County
- **Thomas Wolf**, Carroll County
- Coach: **Sabrina Ginn**, Cecil County

And also, we congratulated 4-H members from across Maryland who completed Levels 3 and up of the Maryland 4-H Horsemanship Standards Program during 2013. This program helps 4-H members progressively develop horsemanship skills throughout their participation in the MD 4-H Horse Project.

Congratulations to all!

Extension News

11th Annual Mid-Atlantic Nutrition Conference

March 2013

The 11th annual Mid-Atlantic Nutrition Conference was held at the Crowne Plaza Hotel in Timonium Maryland, March 27-28, 2013. This premier event draws attendees from across the country to learn about the latest research in animal nutrition being conducted at universities, in industry, and at government institutions. Conference committees are made up of individuals from the Maryland Feed Industry Council, the American Feed Industry Council, USDA, and the land grant universities in New Jersey, Pennsylvania, Delaware, Maryland, West Virginia, and Virginia. The 2013 event drew in approximately 215 attendees and 25 corporate sponsors.

The event kicked off Wednesday morning with a General session discussing current industry issues, highlighted by a presentation from international speaker **Karin Naehrer** from BIOMIN, Mycotoxins in animal production - their risks and implications. Novus International sponsored the Technical Symposium, consisting of breakout sessions for Dairy and Poultry. The Dairy sessions focused on recent developments in the advances of cow comfort, health and nutrition management, while the Poultry sessions shared recent advances in and association between skeletal health and gut health in poultry.

As always, Thursday's Dairy, Poultry, and Equine sessions did not disappoint! The Equine room focused on nutritional management of horses under stress, featuring speakers from across the country sharing their research. Poultry session attendees caught up on the latest in direct fed microbials. University of Maryland's **Dr. Roselina Angel** shared her research on Early broiler chicken mineral (Ca, P, Cu and Zn) requirements and disease/nutrition interrelationships. The Dairy session looked at the benefits of various feed additives and addressed the concern of mycotoxins in feed.

The student poster contest had a total of 8 entries. University of Maryland Student **Mac Campbell** was the first place winner in the Undergraduate Division, and **Marie Twaniuk** took third place in the Graduate Division.

Abstracts for the 2013 Mid Atlantic Nutrition conference are available online and full copies of the 2013 Conference Proceedings can be ordered at manc.umd.edu



2013 MANC

Extension News

Maryland 4-H Dairy Judging is off to a great start!

September 2013

The Maryland State Fair presented the Department of Animal and Avian Sciences with the opportunity to work with the University Dairy Herd, the State Fair Birthing Center and countless 4-H Contests over the "11 Best Days of Summer." Our students gained experience in educating the general public about the practices and benefits of production agriculture while our staff and faculty worked to create educational experiences for students, 4-H members and the public. One such event was the 4-H and FFA State Dairy Judging Contest. The ninety three youth contestants evaluated ten classes of cattle and ranked them on their confirmation when compared to breed standards. The quality of the dairy cattle in Maryland is known nation-wide and this year 225 people from collegiate, junior college and 4-H teams from around the country traveled to participate in the contest.



Dairy judging provides youth an opportunity to learn public speaking, leadership, analytical skills and most of all how to work together as a team. These skills serve the 4-H members well after their career in 4-H has come to an end. By all accounts, the 2013 Maryland State Fair was a great success! Two outstanding teams of 4-Hers were selected to represent Maryland at National Contests.

The Bea Pfefferkorn Memorial Awards were presented to the highest scoring Junior, **Emma Schnebly**, and Intermediate Individual, **Todd Allen**, in Oral Reasons.

The Dorothy Emerson Memorial Award was presented to **Ian Doody** of Montgomery County, the high scoring Senior Individual in Oral Reasons.

The Select Sire Power, Inc Award was presented to the highest scoring Senior 4-H member on Placings, **Cassidy Schirmer** of Kent County.

Ian Doody also won the John L. Morris Trophy presented to the Senior 4-H Member with the highest Overall Score for all breeds.

A \$1000 donation from the John B Merryman Endowment Fund at the Maryland 4-H Foundation, Inc. will be presented to support the Maryland 4-H Dairy Cattle Judging Teams participating in regional and national competition. The team competing at the All-American Contest and World Dairy Expo to be coached by **Anne Davis** and **Kiera Finucane** includes **Ian Doody**, Montgomery County; **Courtney Hoff**, Carroll County; **Cassidy Schirmer**, Kent County; and **Julia Doody**, Montgomery County.

The team competing at the North American International Livestock Expo to be coached by **Barbara Schenning Minde** and **Kiera Finucane** includes **Curtis Gannon**, Montgomery County; **Cory Zimmerman**, Montgomery County; **Dunchadhn Lyons**, Montgomery County; and **Catherine Savage**, Montgomery County.

At the Invitational Youth Dairy Judging Contest at the All-American Dairy Show in Harrisburg PA on Sept 9th included **Ian Doody**, Montgomery County; **Courtney Hoff**, Carroll County; **Cassidy Schirmer**, Kent County; and **Julia Doody**, Montgomery County finished 1st Overall. They were the high team in Oral Reasons as well as the Ayrshire and Guernsey breeds, with **Ian Doody** finishing as the top individual Overall and in Oral Reasons. The team competes next at the National 4-H Dairy Judging Contest held at the World Dairy Expo in Madison, WI on September 30th coached by **Anne Davis** of Union Bridge, MD and **Kiera Finucane** of the University of Maryland.

We are proud to have the opportunity to travel with and showcase the efforts of the Maryland 4-Hers this fall and thank you for your continued support of the program. To view the full contest results, please visit our website at <http://dairy.umd.edu/> or call Kiera Finucane at (301)-405-1392.

Extension News

Dairy Bowl 2013 Round-up

April 2013

Seven counties with sixty six contestants were well represented at the Maryland 4-H State Dairy Bowl contest held at the Department of Animal and Avian Sciences, University of Maryland College Park on Saturday April 13th. Event staff volunteers included faculty, staff and students from the University of Maryland Department of Animal and Avian Sciences, five USDA researchers and employees, an FDA researcher and many private industry professionals. This is a terrific networking opportunity for the contestants and a gateway to the University campus and programs. The contest began at 9:00am with teams competing in a double elimination bracket ranked according to their scores from the written exam. The students work very hard and show tremendous potential for leadership in the dairy industry. Please congratulate the following teams and individuals for their outstanding performance. Event staff remarked throughout the day how impressed they were with the knowledge that the contestants demonstrated.



Junior

Top Individuals in the Written Exam

1. Schuyler Bowers - Frederick
2. Claire Hughes - Anne Arundel
3. Joseph Hubbard - Frederick
4. Katelyn Iager - Frederick
5. Atley Miller - Carroll

Individuals

1. Claire Hughes - Anne Arundel
2. Schuyler Bowers - Frederick
3. Katelyn Iager - Frederick
4. Joseph Hubbard - Frederick
5. Kendall Welsh - Frederick
6. Atley Miller - Carroll
7. Rachel Ward - Cecil
8. Gwennyth Burns - Carroll
9. Ethan Lacher - Cecil
10. Jaycey Miller - Carroll

Teams

1. Carroll
2. Anne Arundel / Cecil
3. Frederick

Intermediate

Top Individuals in the Written Exam

1. Todd Allen - Frederick
2. Shelby Iager - Frederick
3. Ryan Allen - Frederick
4. Grace Hughes - Anne Arundel
5. Shannon McCabe - Anne Arundel

Individuals

1. Todd Allen - Frederick
2. Grace Hughes - Anne Arundel
3. Matthew Nevin - Carroll
4. Trinity Miller - Carroll
5. Robert Hahn - Frederick
6. Shelby Iager - Frederick
7. Ryan Allen - Frederick
8. Maura McCabe - Anne Arundel
9. Tyler Umberger - Frederick
10. Jordyn Griffin - Carroll

Teams

1. Frederick
2. Carroll
3. Anne Arundel
4. Combined team 1
5. Combined team 2
6. Cecil
7. Montgomery

Senior

Top Individuals in the Written Exam

1. Katelyn Allen - Frederick
2. Shelby Hahn - Frederick
3. Shannon Fiedler - Baltimore
4. Patrick Fendrick - Montgomery
5. Dusty Hahn - Frederick

Individuals

1. Katelyn Allen - Frederick
2. Dusty Hahn - Frederick
3. Shelby Hahn - Frederick
4. Shannon Fiedler - Baltimore
5. Patrick Fendrick - Montgomery
6. Jillian Seay - Cecil
7. Dane Grossnickle - Frederick
8. Ben Miller - Cecil
9. Bethany Gillett - Baltimore
10. Casi Blickley - Anne Arundel

Teams

1. Frederick
2. Montgomery
3. Baltimore
4. St. Mary's
5. Cecil
6. Anne Arundel

The top ten Senior individuals are eligible to compete in the 4-H State Dairy Bowl Buzz-off will be held on Saturday September 7th at the State 4-H office in College Park for the opportunity to represent Maryland at the National 4-H Dairy Bowl Contest in Louisville, KY. For more information, please visit: dairy.umd.edu and click on the 4-H Dairy link.

Donate to the Department

Times are tough, and State support for our department continues to decline. If you have the means and the desire, please make a commitment to supporting the teaching mission of the Department of Animal and Avian Sciences by donating to any of the funds below. No matter what the amount, your gift will make a difference and help to preserve the quality of education provided by the Department of Animal and Avian Sciences at the University of Maryland.

There are **THREE** different funds to which you can make your contribution:

1. **Animal Sciences Undergraduate Student Fund** - Code: 20095 “Animal & Avian Sciences Fund”

<https://advancement.umd.edu/giving/addToGiving.php?Fund=9b04d152845ec0a378394003c96da594>

Contributions to this fund go toward scholarships and educational materials for our undergraduates. Scholarships provide critical support for talented students who have low to moderate financial means, putting a college degree within their reach.

2. **Animal Sciences Graduate Student Fund** - Code: 30611 “Animal & Avian Sciences Department Scholarship Fund”

<https://advancement.umd.edu/giving/addToGiving.php?Fund=5737c6ec2e0716f3d8a7a5c4e0de0d9a>

Presenting their research at national meetings is a crucial part of the development of graduate students toward their degrees and career goals. Contributions to this fund go to support travel to national meetings and educational materials for our graduate students.

3. **Animal Sciences Campus Farm Fund** - Code: 21723 “Animal Sciences Campus Farm Fund”

<https://advancement.umd.edu/giving/addToGiving.php?Fund=5737c6ec2e0716f3d8a7a5c4e0de0d9a>

Contributions to this fund go toward supporting the Campus Farm, the focal point of our undergraduate program activities. Located immediately across Regents Drive from the Animal Sciences Building, the Campus Farm occupies approximately 3.4 acres of land and houses various livestock and poultry used extensively in teaching laboratories. Support through this fund will ensure that the campus farm can continue to serve as a valuable resource for our students for the foreseeable future.

Donate to the Department - continued

HOW TO DONATE

Every contribution to the Department of Animal and Avian Sciences is appreciated and makes a difference. We thank you for your support! Donations can be made in the form of a check or online by credit card ([see website for details](#)).

Donating by Check

When writing a check, please make it payable to “UMCP Foundation” and please be sure to specify the CODE number for the fund you wish to donate to. Checks can be mailed directly to the department at:

Department of Animal and Avian Sciences
1413 Animal Sciences Center
University of Maryland
College Park, MD 20742-2311

Attention Alumni!

Want to stay up to date with ANSC happenings?

Click Here to join our mailing list!

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