



2022 SCHOLARSHIPS AND AWARDS CELEBRATION



PennState
College of Agricultural Sciences



2022 Scholarships, Awards, and Fellowships

Thanks to the generosity of our donors, a total of \$3.4M was awarded to 977 students in the College of Agricultural Sciences for the 2022-2023 academic year as of September 6, 2022.

Gathering Songs

Savoir Faire
Penn State Alma Mater
Overpass Graffiti
Featuring Ag Sciences Student
Emmerson Piacine

Welcome

Dr. Fred Metzger, Veterinarian
Animal Bioscience, '81
Veterinary Founders Scholarship
Metzger Classroom in AVBS Building

Remarks

Richard T. Roush, Ph.D.
Dean, College of Agricultural Sciences

Student Thank Yous

Lydia Periconi	Brandon Bixler
Brandy Sickles	Emmerson Piacine
Katie Shaak	James Godwin
Clayton Wagner	Elizabeth Bruner
Jagdeep Sidhu	Natalie Totten

Milestones Speaker

Emmerson Piacine
Animal Science

Undergraduate Student Keynote Speaker

Clayton Wagner
Agribusiness Management

Graduate Student Keynote Speaker

Jagdeep Sidhu
Agricultural and Environmental Plant Science

Closing Remarks

Dr. Fred Metzger, Veterinarian
Animal Bioscience, '81
Veterinary Founders Scholarship
Metzger Classroom in AVBS Building

*Stay Tuned for a Future Announcement of the Date of the
2023 Scholarships and Awards Celebration*

New Scholarships & Awards for 2022

Seidel Family Scholarship

H. Mark Saunders and Lynn M. Walker Graduate Scholarship

Eric and Wendy Gordon Scholarship
in the College of Agricultural Sciences

Narinder and Surjit Randhawa Scholarship
in Agricultural Sciences

Abhinaya C. Reddy and Madan Mohan Reddy Scholarship
in Immunology and Infectious Disease

Radhika C. Reddy Scholarship
in Pharmacology and Toxicology

Deepika C. Reddy and Brent Carpenter Scholarship
in Veterinary and Biomedical Sciences

Lawrence S. Brown Undergraduate Student Scholarship Endowment in
the College of Agricultural Sciences

Ruppert Landscape Scholarship
in Agricultural Sciences

College of Agricultural Sciences Emergency Assistance Scholarship

Troon Scholarship for Turfgrass Students
in the College of Agricultural Sciences

Daugherty Family Golf Course Turfgrass Management
Program Scholarship

Nancy Evans Scholarship in the College of Agricultural Sciences

Joseph Alan Middleton and Eleanor Middleton Bouse Scholarship
in the College of Agricultural Sciences

Broadening Entomological Diversity by Unearthing Graduates Studies
(BEDBUGS) Award

Karl and Elsa Schlentner Scholarship in Agricultural Sciences

Alchemist Brewery Scholarship in the College of Agricultural Sciences

Lucille Terrell MANRRS Scholarship
in the College of Agricultural Sciences

Dr. Mary J. Kennett and Jovonna Kegley Endowment for
Undergraduate Research in Veterinary and Biomedical Sciences*

Milestones—Continued Support

Five Years

Marilyn McPherson Scholarship for International Experiences
for Undergraduates in the College of Agricultural Sciences

Haas Family Scholarship

Dr. Cyril B. Smith and G. Marion Smith Memorial Scholarship

Baker Students for Cultivating Change Award

Rick Roush and Robyn Krause-Hale Open Doors Scholarship

Dr. Terry Etherton and Family Open Doors Scholarship
in the College of Agricultural Sciences

James and Pamela Reese Arbuckle Open Doors Scholarship
in the College of Agricultural Sciences

Robert and Paula Mungai Scholarship
in Veterinary and Biomedical Sciences

Mischen/Tanner Scholarship Fund

Erin Mullin Turner and Megan Mae Turner Scholarship

Ten Years

Philip Ray and B. Joyce Cook Family Trustee Scholarship
in the College of Agricultural Sciences

Hoffman DeGrandi Family Trustee Scholarship
in the College of Agricultural Sciences

Wendell and Carol Hunt Trustee Scholarship

Charles W. Cameron Scholarship in Agriculture

Mario W. D'Alessio Scholarship in the College of Agricultural Sciences

WCO David L. Grove Scholarship

Hal F. Doran Scholarship

Alan A. MacNab Memorial Scholarship in Plant Science

Mid-Atlantic Alliance of Cooperatives Scholarship

Harold J. Miller Memorial Endowed Scholarship

H. Duane Norman and Roslyn W. Norman Scholarship
in Animal Sciences

M. Forest Randolph Memorial Scholarship in Plant Science

Edgar and Roberta Seely Scholarship in Animal Science

Clarence and Michaline Shallcross Scholarship
in the College of Agricultural Sciences

Milestones—Continued Support

Fifteen Years

- Henry L. and Dona A. Bergfeld Trustee Scholarship
Larry E. Hilgendorf and J. Edgar Hilgendorf Trustee Scholarship
Kim L. Masser Memorial Trustee Matching Scholarship
Fern and Nora Kauffman and
Ruth and Lee Mincemoyer Trustee Scholarship
William C. Nichol Trustee Scholarship
in the College of Agricultural Sciences
Wangsness Family Trustee Scholarship
in the College of Agricultural Sciences
Edward W. Blosinski Scholarship
in the College of Agricultural Sciences
L. Earl and Veronica Casida Graduate Scholarship in Plant Pathology
J. Lloyd Ebersole Dairy Cattle Judging Team Award
College of Agricultural Sciences General Scholarship - GROWMARK
Lester H. and Catherine E. Noll Scholarship
Walter N. Peechatka Annual Award
in the College of Agricultural Sciences

Twenty Years

- Arthur W. and Caroline O. Hartman Trustee Scholarship Endowment
for the College of Agricultural Sciences
Ray and Mary Evert Scholarship for Plant Biology
Herbert and Donna Hirschfield Family Scholarship
in Agricultural Sciences
Joan L. and Malcolm H. Stehman Trustee Scholarship
Penn State Sigma Alpha Alumni Association Award
Tim and Amy Baughman Oravec Memorial Award
Glenn O. Bressler Memorial Award
Lester Earl and Veronica Casida Scholarship
for the College of Agricultural Sciences
COBA / Select Sires Inc. Scholarship
William B. Darrow Graduate Scholarship in Ruminant Nutrition
Penn State Dairymen's Club Award for Freshman Students

Dean and Harriet Girton Scholarship in Food Science
James L. Adams Annual Scholarship in Poultry Science
Oscar A. Kimmel Memorial Endowed Scholarship Fund
Kim L. Masser Memorial Scholarship
for the College of Agricultural Sciences
George Shute Scholarship in Agricultural and Biological Engineering
Thomas A. Smith Scholarship Fund
Frank A. and Leona R. Taucher Scholarship
H. Fred Troutt Scholarship in Agricultural Sciences
Robert and Helen Wigton and Anne Wigton Wagner Memorial
Scholarship in the College of Agricultural Sciences

Twenty-five Years

Alan F. Bilzi Scholarship in Environmental Science
Roy C. Buck Scholarship in Agricultural Sciences
Wilson A. and Mae C. Cease Memorial Scholarship
Emmett C. Dawson, Jr. Memorial Award in Agricultural Sciences
Ray Finegan Agricultural Leadership Endowment
The Honorable Samuel E. Hayes, Jr. Scholarship
Vernon E. Hazlett Memorial Scholarship
Oswald Scholarship
Pennsylvania Poultry Industry Alliance Scholarship
John R. Potter Scholarship in Agriculture
William Allison Ritchey Scholarship in Forest Resources
George W. Sherlock Student Scholarship
Snyder Family Award
Kenneth P. Wilkinson Memorial Scholarship in Rural Sociology

Milestones—Continued Support

Thirty Years

Ag Student Council Leadership Award
Howard D. Bartlett Scholarship
in Agricultural and Biological Engineering
Lamartine F. and Emeline H. Hood Scholarship for Adult Learners
Jay Irwin/PennAg Poultry Council Scholarship
C. Randolph Kahler Scholarship
in the College of Agricultural Sciences
Henry F. Pierce, II Scholarship in Agricultural Sciences
Orpha Kelly Rapp and Jesse Rossiter Rapp
'15 Prize for Academic Excellence
Irvin C. Reigner Endowment
Donald R. Saylor Memorial Scholarship
Stanford Memorial Scholarship

Thirty-five Years

Adams County Poultry Association Inc. Scholarship
Beliasov Family Scholarship in Food Science
Robert Bliss Scholarship
Anna K. Eaton Scholarship
Dr. Marvin A. Jaffe Memorial Award
Vartkes Miroyan Memorial Award
John and Nancy Steimer Scholarship

Forty Years

E. Chester Heim Scholarship Program
Henry W. Popp Graduate Assistantship

Forty-five Years

The William T. Butz Memorial Endowed Scholarship
Chester D., Agnes H., and Robert Dahle Memorial Scholarship Fund
Paul R. and Ethel S. Guldin Agricultural Scholarship and Award Fund

Fifty-five Years

N. C. Harris Scholarship Fund

PennAg Poultry Council Scholarship in Poultry Science

Sixty Years

Shigley Memorial Pre-Veterinary Scholarship

Walter Thomas Memorial Scholarship Fund

Seventy Years

Guldin Speaking Contest

**College of Agricultural Sciences
Scholarships and Awards Committee**

Ellen A. Rom, M.S.

Assistant Teaching Professor,

Coordinator of Undergraduate Programs and Alumni Relations

Robert Shannon, Ph.D.

Associate Professor of Agricultural and Biological Engineering,

Coordinator of Environmental Resource Management Program,

Assistant ENRI Director for Environmental Education Water Resources

Jasna Kovac, Ph.D.

Lester Early and Veronica Casida Career Development Professor of Food

Science Safety, Assistant Professor of Food Science

Erin Luley, VMD, MPH, DACVP

Assistant Clinical Professor and Veterinary Anatomic Pathologist

Biographies (in order of appearance)

Dr. Fred Metzger

Animal Bioscience, '81



Dr. Fred Metzger is a 1981 Animal Bioscience graduate of Penn State and a 1986 graduate of the Purdue School of Veterinary Medicine. He is a Diplomate of the American Board of Veterinary Practitioners and an adjunct professor at Pennsylvania State University. He coauthored *Clinical Pathology Interpretation in Geriatric Veterinary Patients* and *A Guide to Hematology in Dogs and Cats* with Dr. Alan Rebar.

Dr. Metzger is the medical director of the VCA Metzger Animal Hospital, a thirteen-doctor AAHA certified general, referral, and 24-hour emergency hospital in State College, Pennsylvania.

Dr. Metzger received the Outstanding Alumni Award from Penn State College of Agriculture in 2016 and he received the Distinguished Alumnus Award from the Purdue College of Veterinary Medicine in 2022.

Richard T. Roush, Ph.D.

Dean, College of Agricultural Sciences



Rick Roush's career in sustainable agriculture spans research, teaching, extension, regulation, and administration at both the USA and Australia. Trained as an entomologist at the University of California, Rick earned his B.S. at UC Davis (1976) and Ph.D. at UC Berkeley (1979).

Prior to joining the College of Agricultural Sciences at Penn State in October 2014, Rick served as dean of the Melbourne School of Land and Environment at the University of Melbourne (Australia, 2006-2014), director of the University of California (UC) Integrated Pest Management and Sustainable Agriculture Programs (2003-2006), and director of the Cooperative Research Centre on Australian Weed Management based at the

University of Adelaide (Australia, 1998-2003), after serving as an associate professor at Mississippi State and Cornell Universities.

Rick's research has focused on strategies to slow insect pests and weeds from evolving resistance to genetically modified insect resistant crops and pesticides, as well as the biological control of pests. He has worked extensively on crops as diverse as potatoes, wheat, corn, cotton, alfalfa, grapes, almonds, cocoa, and coffee, and in natural ecosystems across the USA, Australia, the Pacific Islands, India, and China.

At Penn State, Rick has particularly focused on key issues facing agriculture and rural communities in Pennsylvania, including food safety regulation; water quality; diversification of agriculture; and obesity, diabetes, and drug addiction.

Emmerson Piacine

Animal Science



Emmerson Piacine is a second-year student majoring in Animal Science, in the Science option, and minoring in Spanish. Growing up in Reading, Pennsylvania, she participated in Girl Scouts, earning the Gold Award and Trifecta Award, the highest honors a Scout can earn. Always eager to keep learning, she worked at a local animal hospital, and plans to return this summer to continue to gain experience as a small animal veterinary technician. This past summer, Emmerson interned with a traveling, large animal veterinary practice and rode along with several veterinarians, assisting them in daily appointments. One of her fondest memories is working at The Philadelphia Zoo in high school as a ZooCREW member, eventually becoming the program's Leadership

Team president and founder her senior year. During her time at Penn State, she has become involved in the Pre-Vet Club, the special interest THON organization Atlas, sings with and serves as public relations chair for Savoir Faire a cappella, and the K-pop Music and Dance Club. She hopes to study abroad in her third year and plans to pursue a career as a veterinarian or veterinary technician working with exotic animals. Emmerson is excited to see what awaits her in the future and is grateful for all the support her professors, donors, and alumni have provided so far in her undergraduate education.

Clayton Wagner

Agribusiness Management



Clayton Wagner is a fourth-year student graduating in December with a degree in Agribusiness Management and minors in Entrepreneurship and Innovation and Communications Arts and Sciences. Clayton was raised in Middletown, Pennsylvania near his family's farm in operation by his grandparents. Being involved with the family farm and his surrounding community, Clayton grew a passion for agriculture and serving producers. During his time at Penn State, Clayton has served on the Agriculture Future of America (AFA)'s Student Advisory Team, as an Ag Advocate, joined the brotherhood of Alpha Zeta, and served as president of Collegiate Farm Bureau. In addition to his involvement with the University, Clayton has interned with the Pennsylvania Holstein Association

and New Holland Agriculture. After graduation in December, Clayton will begin his corporate career in sales with Massey Ferguson. Additionally, he plans to stay involved with on-the-farm activities and advocating for agriculture.

Jagdeep Sidhu

Agricultural and Environmental Plant Science



Jagdeep is pursuing a Ph.D. in Agricultural and Environmental Plant Science. He grew up on a small farm in Punjab, India. The family farm is where he developed a fascination with the natural world and specifically with plants. Jagdeep's father—his hero—played a major role in nourishing Jagdeep's desire to learn. His father motivated him every step of the way, helping him get into the B.Sc. Agriculture at Punjab Agricultural University.

Jagdeep went on to earn his master's from South Dakota State University, where he worked with Dr. Sunish Sehgal's winter breeding program. While studying nitrogen fixation in wheat, he got interested in the world of roots and has been exploring roots with Dr. Jonathan

Lynch at Penn State. While at Penn State, Jagdeep has grown as a scientist, a leader, and a compassionate human being.

Jagdeep wants to work towards developing climate-change-resilient/abiotic-stress-resistant crop varieties. Working on climate-resilient traits is very personal to Jagdeep as he has witnessed how terminal drought and heat stress have adversely affected the wheat yields on his family farm and in the overall Punjab region. Using his current knowledge of genetics, plant physiology, and crop modeling, and leveraging novel computer vision techniques for phenotyping, he hopes to discover crop traits, genes, and cellular mechanisms that will eventually help develop climate-resilient crop varieties.

For more information about supporting the Penn State
College of Agricultural Sciences, please contact
Lauren Steinberg
Senior Director of Development,
at 814-865-0158 or lx229@psu.edu,
or visit **www.agsci.psu.edu/support**.

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