
**PLANT SOIL
& MICROBIAL
SCIENCE
DEPARTMENT**

**James D. Kelly, University Distinguished Professor, Retires July 1, 2020**

We honor **Dr. Jim Kelly**, University Distinguished Professor, on his retirement from Michigan State University following a distinguished 40-year career. **Dr. Kelly** is a native of Northern Ireland and is a graduate of Queens University of Belfast. He received his Ph.D. from the University of Wisconsin and started his professional career with the Campbell Soup Company in 1975. He came to MSU in 1980 as an Assistant Professor and dry bean breeder. He is internationally recognized for his sustained scholarly research and creativity focused on the improvement of dry beans in Michigan, South and Latin America and Africa. His lab pioneered new molecular biology technologies to better understand the bean genome. He is also recognized for his teaching (advanced plant breeding courses) and public service to the state, the nation and the international bean communities. The impact of his program is significant, both in Michigan and internationally. The following is a summary of **Dr. Kelly's** professional contributions during his distinguished career at MSU.

Research Highlights

Published 199 refereed journal articles, h-index = 41.

Graduated 18 Ph.D. and 14 M.S. students.

Developed (with MSU colleagues) and released 50 dry bean varieties in 13 commercial classes in the US and holds over 20 patents (Plant Variety Protection Certificates).

Participated in development (with International colleagues) of seven dry bean varieties for the semiarid highlands of Mexico and seven varieties for the highlands of Ecuador and Rwanda.

Identified 13 molecular markers linked to 10 different major genes that control resistance to distinct races of viral and fungal bean pathogens.

Published the first molecular (RAPD) marker linked to a resistance gene in beans.

Strong, consistent funding from commodity groups and federal competitive grants.

Major Awards

MSU Innovator of the Year Award- MSU Technologies, 2017.

Genetics and Plant Breeding Award from the National Council of Commercial Plant Breeders -NCCPB, 2015.

Ralph H. Smuckler Award for Advancing International Studies and Programs -MSU, 2014.

University Distinguished Professor, 2013.

Fellow of the Crop Science Society of America - CSSA, 2008.

Distinguished Faculty Award of Michigan State University - MSU, 2007.

Honorary Member of Michigan Crop Improvement Association - MCIA, 2003.

Professional Career Summary

Dr. Kelly's 50 new dry bean varieties have had a tremendous positive impact on the profitability of Michigan dry bean farmers and the dry bean industry. His breeding program focused on developing improved varieties for Michigan. This has led to increased profitability and greater competitiveness for Michigan dry bean producers. His varieties have dominated the kidney, small red, and great northern classes of dry edible beans for several years. His impact on the Michigan dry bean industry is significant and will continue for years in the future.

Dr. Kelly has cultivated a long-term working relationship with all the aspects of the dry bean industry in Michigan. This includes working with growers through on-farm research and extension activities, seed and elevator industries related to recommendations of suitable varieties, and the processing industry related to canning quality of new varieties. He identified new viral and fungal disease threats, and developed recommendations to address the problems.

In addition to his highly successful Michigan dry bean breeding program, **Dr. Kelly** was very active internationally. One of the new high yielding drought resistant bean varieties ('Pinto Villa') he helped to develop in Mexico was planted on 80% of the pinto bean acreage. **Dr. Kelly** bred and introduced climbing beans to Rwanda, which have improved yields from a quarter ton per acre to four tons per acre in this country of steep, hilly terrain. He also helped produce educational materials to inform farmers about the new varieties and methods for growing the climbing beans.

Dr. Kelly has a superior record of publishing in important journals. His 199 publications provide the bean community with vital information that is needed to understand the bean plant and bean genome. In addition to his applied research program (new varieties), **Dr. Kelly** has been very productive in basic research. His early work focused on disease resistance and yield. He published the first article on a molecular marker linked to disease resistance in beans. He identified 13 molecular markers linked to 10 different major genes that control resistance to distinct races of viral and fungal bean pathogens. Jim integrated marker-assisted selection into his breeding program, which has enhanced the efficiency of the breeding process and provided him with the most effective means to pyramid resistance genes for improved durability. Much of his recent research focused on stress tolerance related to climate, heat and drought.

Dr. Kelly is an excellent teacher and mentor. His former graduate students are leaders in plant genetics programs around the world. One of his students, **Ms. Gerardine Mukeshimana**, was the recipient of the 2012 Board for International Food and Agricultural Development (BIFAD) Award and is now the Minister of Agriculture in Rwanda. **Dr. Kelly** has served as major professor for 18 Ph.D. and 14 M.S. students during his career and has served on over 90 graduate student committees. He has also served as an outside reviewer for graduate students in Africa, Australia, Mexico and Canada. He has mentored 5 postdocs and 13 visiting scientists and students. **Dr. Kelly's** mentoring has effectively prepared his students for addressing the future needs of the bean community.

Public service has been a priority for **Dr. Kelly** and he has a very long history of service to Michigan and the World. He has served on several review teams, participated in numerous committees, conducted outreach programs in Michigan, Latin and South America and Africa, produced germplasm for public and private bean breeders around the world. He has presented state of the art papers to audiences around the world, produced bean varieties for farmers in Michigan, Mexico, Rwanda and Ecuador, and mentored our future bean scientists. He has been true to the Land Grant Mission of Michigan State University in meeting the needs of the bean industry for Michigan and the World through his research, both basic and applied, his teaching and mentoring, and his outreach.

We sincerely thank Jim for his outstanding contributions and wish him the best in his retirement.

Congratulations

**NAPB 2020 Borlaug Graduate Scholars
Natalie Kaiser, Michigan State University**



Natalie Kaiser is a Ph.D. candidate in the Douches Potato Breeding and Genetics Program at Michigan State University. Natalie received an Honors Bachelor of Technology in Plant Science from SUNY Cobleskill in NY. She is employing molecular and genomic tools to understand the genetic architecture of host plant insect resistance and to develop Colorado potato beetle (CPB) resistant diploid potato breeding lines. She also studies the genetic components of self-compatibility in diploid potato to facilitate diploid potato breeding efforts. She aspires to convert potato into a diploid inbred/F1 crop propagated by true seed as a breeder in the private sector. Natalie serves as the CSS graduate student faculty representative for the MSU Plant Breeding, Genetics and Biotechnology graduate program and co-organizes the program's annual research symposium. She is a USDA NIFA Predoctoral Fellow and enjoys leading science communication outreach to community members of all ages.

Congratulations Natalie!

PSM Office Contact Information / Hours

Effective March 24, 2020 the PSM Administration Office are closed.

During this time of uncertainty, please be patient with any request you may have placed with a PSM support staff member. Know that PSM support staff will get to your request as quickly as possible.

Summer hours are in effect from May 10 - August 2. Updated hours noted below.

AnnMarie Guldner	guldner1@msu.edu	Monday-Friday	7 AM-3 PM
Ashley Lathrop	danas@msu.edu	Monday-Friday	8 AM-12 PM & 1-5 PM
Brian Horgan	horganb@msu.edu	Monday-Friday	8 AM-12 PM & 1-5 PM
Christiina Donley	tymoszew@msu.edu	Monday-Friday	7 AM-12 PM & 1-4 PM
Debbie Williams	williade@msu.edu	Monday-Friday	7 AM-3 PM
Dominic Colosimo	colosi14@msu.edu	Monday-Friday	8 AM-12 PM & 1-5 PM
Gina Centeno	centeno@msu.edu	Monday-Friday	8:15 AM-2:45 PM
Lee Duynslager	duynslag@msu.edu	Monday-Friday	8 AM-12:30 PM & 1-4:30 PM
Linda Colon	colon@msu.edu	Monday-Thursday	8 AM-12:30 PM & 1-4:30 PM
		Friday	8 AM-12 PM
Lisa Bowen	bowenli1@msu.edu	Monday-Friday	8 AM-4 PM
Mackenzie Graham	graham2@msu.edu	Friday	8 AM-12 PM & 1-5 PM
Rachel Esch	eschrach@msu.edu	Monday-Friday	7 AM-3 PM
Sandie Litchfield	litchfi9@msu.edu	Monday-Friday	7:30 AM-12 PM & 1-4:30 PM

Announcements

Faculty/Staff 2019-2020 Community-Engaged Learning Questionnaire

Deadline: July 31, 2020

Each year, the Center for Community Engaged Learning (CCEL) reports on the number of students participating in community-engaged learning at Michigan State University. It is important that this information be collected campus-wide and represent all colleges, departments, programs, and projects. To collect this information, the CCEL requests that administrators, faculty members, and staff members complete the 2019-2020 Community-Engaged Learning Questionnaire (covering summer 2019, fall 2019, and spring 2020 semesters). The deadline for completing this questionnaire is July 31, 2020. This short questionnaire should take approximately 5-10 minutes to complete.

In an effort to recognize the work of our colleagues and highlight exemplary programs and projects, the CCEL publishes the MSU Community-Engaged Learning Index using the data collected annually from the Community-Engaged Learning Questionnaire. You may view the 2016-2018 Community Engaged Learning Index (link below). Through this effort we are able to nominate faculty, programs, and students for award programs, elevate individual and shared work, connect community and university partners, scholars, and practitioners, and coordinate for greater impact. The next edition of the MSU Community-Engaged Learning Index will be released in the fall of 2020. We look forward to including the all of the important work of our campus partners!

If you would like to preview the questionnaire you may view it first (link below). It is a short questionnaire and will only take a few moments to review.

Thank you for your contributions to Community-Engaged Learning at MSU!

Additional Information: <https://communityengagedlearning.msu.edu/faculty/what-is-community-engaged-learning>

Questionnaire Link: <https://login.msu.edu/?App=Shibb-ITS-Qualtrics>

2016-2018 Community Engaged Learning Index:

<https://communityengagedlearning.msu.edu/upload/documents/CSLCE-2016-2018-Learning-Index.pdf>

Questionnaire Preview: <https://communityengagedlearning.msu.edu/upload/2019-20%20Survey%20Questions.pdf>

Renee C. Brown, Director
MSU Center for Community Engaged Learning
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CANR ORS Pre-Award Support Changes on July 1, 2020

We would like to communicate some upcoming changes to CANR ORS pre-award support provided to faculty. Many of you have already heard or received communication regarding the change that the ORS office will only be assisting with proposals over \$100,000 beginning July 1st. This change was necessary due to reduced staff and upcoming budget challenges.

We understand these changes may require departments to work with more proposals in KC. There are KC job aids and videos available on OSP's website and OSP has offered to partner with CANR to provide special virtual training sessions to ensure department administrators feel comfortable and prepared for proposal submissions, especially S2S proposals. The CANR ORS staff will also be available to answer questions related to KC. Please let the CANR ORS staff know if you are interested in the virtual training sessions.

<https://www.canr.msu.edu/ors/>

Travel

Modification of CANR Travel Policy Regarding Number of Passengers per Vehicle Effective June 15, 2020

With the recent changes in State of Michigan and MSU health and safety requirements, it is now possible to allow certain specific exceptions to the one person per vehicle rule. A maximum of two people are allowed per vehicle under the following conditions:

- 1) All MSU employees are required to complete the CANR on-line daily health survey prior to coming to work.
- 2) Travel in University vehicles is restricted to MSU employees, including student employees.
- 3) Travel is limited to on-campus (including South Campus Research Farms) or on-station (Off-Campus Research and Extension Centers).
- 4) Maximum travel distance is 10 miles one-way. Longer distance travel remains restricted to one person per vehicle.
- 5) Wash hands or use hand sanitizer prior to entering and upon exiting the vehicle.
- 6) Each person must wear a face covering at all times while in the vehicle.
- 7) The two occupants of the vehicle are expected to be seated as far apart as practical.
- 8) Windows should be at least partially open on both sides of the vehicle to allow air movement.
- 9) A daily log of all users of University vehicles (included leased vehicles) is to be maintained by the Farm Manager or responsible PI.
- 10) Flexible plastic barriers between seats are no longer required.
- 11) The interior of the vehicle is to be disinfected after each use following MSU EHS guidance.
- 12) MSU employees are not required to travel in a vehicle with another person. Pressuring any employee to travel in a vehicle with another person will not be tolerated under any circumstance other than a medical emergency.

Effective June 24th an additional log in will be required to access Concur Travel and Expense. Users will continue to log into EBS using 2-factor authentication. After selecting the Concur Travel and Expense tile, users will be asked to log in again.

- 1) Log into EBS with your NET ID, password, and two-factor authentication.
- 2) Select Travel and Expense, SAP Concur from menu items.
- 3) Complete the log in screen by adding your msu.edu email address and password. (Note: Password is the same as one uses to log into EBS.)

PSM Payroll Time Reporting

Due Date Reminders for **biweekly payroll** (includes labor and student)

Reminder: If your employee's time is not submitted, they will not be paid.

- For the July 17th pay date (for time worked between June 21-July 4) your time is due by 5 PM on Tuesday, July 7th
- For the July 31st pay date (for time worked between July 5-18) your time is due by 5 PM on Tuesday, July 21st
- For the August 14th pay date (for time worked between July 19-August 1) your time is due by 5 PM on Tuesday, August 4th

Human Resources

Highlighted Resources for Professional Development

Topic: Trust and Credibility

Course: The Building Blocks of Building Trust

Learn what makes you and others trustworthy and how to demonstrate trustworthiness through your own professional accountability.

Course: Trust Building Through Effective Communication

Explore how a clear intention is the basis of effective communication and how understanding your audience ensures that your message gets delivered. Learn how body language, vocal tone, and managing emotions can influence your communications and build trust with your audience.

Video: How to Increase Trust

Building trust requires that you have all four elements of trust. Learn what they are and why they're important.

Book Summary: The Speed of Trust: The One Thing that Changes Everything

Discover a detailed framework for building and maintaining trust from the ground up, both inside and outside an organization.

Course: Acting with Diplomacy and Tact

People who communicate with diplomacy and tact are able to inspire confidence. Communicating a difficult message can be very challenging, so preparation is key to a successful outcome. In this course, you'll learn about developing a diplomatic approach to difficult conversations. You'll learn how to avoid meltdowns, apologize, develop empathy, and remove personal biases

Video: Being a Good and Thoughtful Communicator

Recognize communication techniques that enable you to communicate better and show mutual respect.

How to Access elevateU

- 1) Log in to the EBS Portal with your MSU NetID and password.
- 2) Click on My Career and Training in the top navigation.
- 3) Click on the elevateU tile to open the application in a new window.

Certificates of completion are available for those who complete a course and pass the exam at 75% or better. To print a certificate, go to the left sidebar of the home page and click on Learning Transcript. From there you can set filters to see only completed classes. Then click on Actions, and View Certificate.

Access to MSU Systems

If you have questions regarding access to the MSU systems to effectively perform your job, please see the information at the links provided below. The document "Access to MSU Systems" can be found on the following pages:

<https://www.canr.msu.edu/facultystaff/hr/new-faculty-academic-staff-materials>

<https://www.canr.msu.edu/facultystaff/hr/new-staff-orientation>

MSU Academic Calendar

Summer 2020 - Full Session

July 3 Holiday - University Closed
August 13 Classes End
Final Exams are scheduled for the last class day

Summer 2020 - Session Two

July 3 Holiday - University Closed
July 22 Middle of Semester
August 13 Classes End
Final Exams are scheduled for the last class day

Fall 2020

September 2 Classes Begin
September 7 Holiday - University Closed
October 21 Middle of Semester
November 25 All in-person instruction ends (see note below)
November 26-27 Holiday - University Closed
December 11 Classes End
December 14-18 Final Exams
December 24-25 Holiday - University Closed
December 31- January 1 Holiday - University Closed

MSU plans to end all in-person instruction on November 25th, with remaining instruction, study sessions and final exams taking place remotely for the remaining 3 weeks of the semester. There will be no in-person commencement this December. The task force is planning a virtual commencement for December graduates.

Send newsletter submissions to AnnMarie Guldner at guldner1@msu.edu
Deadline: Thursdays by 10:00 AM