Curriculum Vitae Dr. Rachel Renae Schendel

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https://afs.ca.uky.edu/person/Schendelhttps://www.researchgate.net/profile/Rachel Schendel

CAREER OBJECTIVE

To develop and sustain a research program which provides evidence-based knowledge on the structure of carbohydrates in human foods and animal feeds and clarifies why carbohydrate structural differences in these ingredients matter for food functionality, animal performance, and human health; and nurture a learning environment that fosters intellectual curiosity, motivates graduate and undergraduate students to learn about analytical food science research, and prepares students for successful careers in either academia or the food industry.

EDUCATION

09/2012 - 07/2016

Karlsruhe Institute of Technology, Institute of Chemistry and Biosciences, Karlsruhe, Germany

Doctorate (Dr. rer. nat.), magna cum laude

Dissertation: "Qualitative and quantitative screening of side-chain

profiles of cereal grain arabinoxylans" Adviser: Professor Mirko Bunzel

01/2011 - 08/2012

University of Minnesota-Twin Cities, Department of Food Science and Nutrition, Minneapolis, MN, USA

Master of Science in Food Science,

Thesis: "Effect of cereal grains on the formation of heterocyclic

aromatic amines in fried beef patties"
Adviser: Professor Mirko Bunzel

08/2006 - 12/2010

University of Minnesota-Twin Cities, Department of Food Science and Nutrition, Minneapolis, MN, USA

Bachelor of Science, double majors in Nutrition (Nutritional Science track) and Food Science, University Honors Program (*summa cum laude*)

Honors Thesis: "Effect of preparation method and water activity on the rate of creatinine formation in a model creatine supplement"

Honors project supervisor: Professor Theodore Labuza

WORK EXPERIENCE

06/2017 – present **Assistant Professor,** University of Kentucky, Department of Animal and Food Sciences, Lexington, KY.

09/2012 – 08/2016 Wissenschaftliche Mitarbeiterin – Scientific Employee

Karlsruhe Institute of Technology, Department of Food Chemistry and Phytochemistry, Karlsruhe, Germany

Isolation of novel dietary fiber structures using various chromatographic techniques

Structural characterization of compounds (LC-MS, GC-MS, 1D- and 2D-NMR)

Analytical instrument installation and maintenance (GC-MS, HPLC-DAD, LC-MS, HPAEC-PAD)

Development and validation of quantification methods

01/2011 – 08/2012 Graduate Research Assistant, University of Minnesota-Twin Cities,

Department of Food Science and Nutrition, Minneapolis, MN, USA Optimization of analysis methods for heterocyclic aromatic amines in a cooked beef matrix

Investigation of the effect of adding wholegrain ingredients to beef patties on heterocyclic aromatic amine formation

Regular communication (five progress reports, one 20-minute presentation, and 20-page final report) with funding organization

11/2009 – 12/2010 Undergraduate research assistant, University of Minnesota-Twin Cities,

Department of Food Science and Nutrition, Minneapolis, MN, USA

06/2010 – 08/2010 Intern, Faribault Dairy Company, Faribault, MN, USA

Perform regular analytical and microbial testing of milk and cheese Help implement regular quality and safety control measures in a plant, including HACCP

Participate in Blue and Gorgonzola cheese production, including making, curing, aging, testing, plant sanitation, and packaging

SCHOLARLY ACTIVITIES: PUBLICATIONS & SELECTED PRESENTATIONS

Publications: Book Chapters

- † Corresponding author
- ‡ Graduate student or visiting scholar under my supervision
- *- Undergraduate student under my supervision
 - 1. **R.R. Schendel**†. Phenol Content in Sprouted Grains. **2019**. In: Feng H., Nemzer B., Devries J. (eds) *Sprouted Grains: Nutritional Value, Production, and Applications*. Elsevier. (doi: 10.1016/B978-0-12-811525-1.00010-5)
 - 2. M. Bunzel†, **R.R. Schendel**. Determination of (Total) Phenolics and Antioxidant Capacity in Food and Ingredients. **2017**. In: Nielsen S. (eds) *Food Analysis*. Food Science Text Series. Springer, Cham. (doi.org/10.1007/978-3-319-45776-5 25)

Publications: Refereed Journal Articles

- 1. ‡G.E. Joyce, ‡H.G. Gaul, M.F. Flythe, I. Kagan, B. Harlow, **R.R. Schendel**†. Cool-season pasture grass arabinoxylan structures profiled via validated high-performance anion exchange chromatography with pulsed amperometric detection (HPAEC-PAD) method. (In preparation).
- 2. J. Mobley, H. Gaul‡, B. Lynn, **R.R. Schendel**†. Lignin and structural carbohydrate characteristics of *Thinopyrum intermedium* biomass and potential for dual-crop utilization. (**In preparation**).
- 3. **R.R. Schendel**, M. Bunzel†. 2D-NMR-based screening of feruloylated side-chains of cereal grain arabinoxylans. (In preparation, invited manuscript).
- 4. R. Dhakarey, M.L. Raorane, A. Treumann, P.K. Peethambaran, **R.R. Schendel**, P.K. Sahi, B. Hause, M. Bunzel, A. Henry, A. Kohli, M. Riemann†. Physiological and proteomic analysis of the rice mutant *cpm2* suggests a negative regulatory role of jasmonic acid in drought tolerance. *Front. Plant Sci.* **2017**, 8:1903. (doi.org/10.3389/fpls.2017.01903).
- 5. D. Wefers, J.J.V. Cavalcante, **R.R. Schendel**, J. Deveryshetty, K. Wang, Z. Wawrzak, R.I. Mackie, N.M. Koropatkin, I.K.O. Cann†. Biochemical and structural analyses of two cryptic esterases in *Bacteroides intestinalis* and their synergistic activities with cognate xylanases. *J. Mol. Biol.* **2017**, 429: 2509-2527. (doi.org/10.1016/j.jmb.2017.06.017)
- 6. **R.R. Schendel**, A. Puchbauer‡, M. Bunzel†. Glycoside hydrolase family 51 α-L-arabinofuranosidases from *Clostridium thermocellum* and *Cellvibrio japonicas* release *O*–5-feruloylated arabinose. *Cereal Chem.* **2016**, 93:650-653. (doi.org/10.1094/CCHEM-01-16-0011-N).
- **7. R.R. Schendel**, A. Puchbauer‡, N. Britscho‡, M. Bunzel†. Feruloylated wheat bran arabinoxylans: Isolation and characterization of acetylated and *O*-2-monosubstituted structures. *Cereal Chem.* **2016**, 93:493-501. (doi.org/10.1094/CCHEM-12-15-0250-R)
- 8. M.B. Kantar, C.E. Tyl, K. Dorn, X. Zhang, J. Jungers, J.M. Kaser, **R.R. Schendel**, J. Eckberg, B.C. Runck, M. Bunzel, N.R. Jordan, R.M. Stupar, M.D. Marks, J.A. Anderson, G.A. Johnson, C.C. Sheaffer, T. Schoenfuss, B. Ismail, G.E. Heimpel, D.Wyse†.

- Perennial grain and oilseed crops. *Annu. Rev. Plant Biol.* **2016**, 67. (doi.org/10.1146/annurev-arplant-043015-112311)
- 9. **R.R. Schendel**, M.R. Meyer[‡], M. Bunzel[†]. Quantitative profiling of feruloylated arabinoxylan side chains from graminaceous cell walls. *Front. Plant Sci.* **2015**, 6. (doi.org/10.3389/fpls.2015.01249).
- R.R. Schendel, C. Karrer[‡], D. Bunzel, M. Huch, A.A. Hildebrand, S.E. Kulling, M. Bunzel[†]. Structural Transformation of 8-5-Coupled Dehydrodiferulates by Human Intestinal Microbiota. *J. Agric. Food Chem.* 2015, 63:7975-7985. (doi.org/10.1021/acs.jafc.5b03234)
- 11. **R.R. Schendel**, A. Becker‡, C.E. Tyl, M. Bunzel†. Isolation and characterization of feruloylated arabinoxylan oligosaccharides from the perennial cereal grain intermediate wheat grass (*Thinopyrum intermedium*). *Carbohydr. Res.* **2015**, 407:16-25. (doi.org/10.1016/j.carres.2015.01.006).

Research Presentations- Oral Conference Presentations

- ‡ Graduate student or visiting scholar under my supervision
- *- Undergraduate student under my supervision
- ®- Presenting author
 - 1. S. Newhuis; R. M. Flythe, I. Kagen, B. Harlow, B., and R. Schendel. 2022. Changes in the cell wall composition of cool-season pasture grasses over the growing season.

 American Chemical Society (ACS) Spring 2022 National Meeting, San Diego, CA, USA.
 - 2. **R.R. Schendel.** 2021. Upcycling spent grains into exceptional food ingredients. 2. James B. Beam Institute Industry Conference, virtual conference (COVID-19).
 - 3. G. Joyce‡, I. Kagan, M. Flythe, and **R.R. Schendel**. 2021. Development and validation of a quantitative high-performance anion-exchange chromatography with pulsed amperometric detection (HPAEC-PAD) method permits structural profiling of arabinoxylans from cool-season pasture grasses. ACS Fall 2021 National Meeting, hybrid conference (COVID-19).
 - 4. M.B. Pyles®, A. Fowler, A. Crum, S. Hayes, **R. Schendel**, M. Flythe, L. Lawrence. 2020. Factors influencing mare milk composition and yield and foal digestive health. ASAS Southern Section 2020 Meeting.
 - 5. M. Pyles®, A. Fowler, A. Crum, S. Hayes, **R. Schendel**, L. Lawrence. 2019. Dietary nonstructural carbohydrate affects mare milk production and composition. Equine Science Society Annual Meeting.
 - 6. M. Pyles®, A. Fowler, A. Crum, S. Hayes, **R. Schendel**, M. Flythe, L. Lawrence. 2019. Influence of milk composition and foal microbiota on diarrhea incidence. Equine Science Society Annual Meeting.
 - 7. **R.R. Schendel**®. 2016. Development of quantitative screening methods for feruloylated arabinoxylan side chain profiles in whole grains. AACC International Annual Meeting, Savannah, GA, USA.

- 8. **R.R. Schendel**®. 2015. Feruloylated arabinoxylans as cell wall components of cereal grains. 1. KIT Rice Symposium, Karlsruhe, Germany, October 2015.
- 9. **R.R. Schendel**®. 2015. Conversion of 8-5-coupled dehydrodiferulates by human intestinal microbiota. AACC International Centennial Meeting, Minneapolis, MN, USA.
- 10. **R.R. Schendel**®. 2015. Metabolism of 8-5-coupled dehydrodiferulates by human intestinal microbiota. 6th International Dietary Fibre Conference 2015, Paris, France.
- 11. **R.R. Schendel**®. 2014. Charakterisierung der mit Ferulasäure veresterten Arabinoxylane aus der mehrjährigen Getreidesorte Thinopyrum intermedium Characterization of the feruloylated arabinoxylans from the perennial grain Thinopyrum intermedium. Arbeitstagung des Regionalverbandes Südwest der Lebensmittelchemischen Gesellschaft, Neustadt an der Weinstraße, Germany.

Conference Abstracts Presented as Poster Presentations (Univ. of Kentucky work only)

- 1. G. Joyce‡, **R.R. Schendel.** 2020. Investigating and comparing arabinoxylan structures in cool-season pasture grasses from central Kentucky. American Chemical Society Fall 2020 National Meeting & Exposition, conference took place virtually, originally planned for San Francisco, CA, USA.
- 2. S. Newhuis*, C. Schamp*, G. Joyce‡, H. Gaul‡, **R.R. Schendel.** 2020. The release of feruloylated arabinoxylan oligosaccharides from distiller's spent grain. James B. Beam Institute Industry Conference, February 2020. Lexington, KY, USA.
- 3. G. Joyce‡, H. Gaul‡, **R.R. Schendel.** 2019. Investigating and comparing arabinoxylan structures in ruminant-relevant cool-season pasture grasses. Cereals & Grains Association Annual Meeting, November 2019. Denver, CO, USA.

Invited Lectures and Seminars (Univ. of Kentucky only)

- 1. *Food Science!* (1.5-hour presentation and demonstration in collaboration with Kelsey Lamb). November 2019. GEN 300 Student Ambassador Course. UKY-CAFE.
- 2. *Dairy Foods* (1 class and lab). September 2019. ASC 420: Dairy Science. Dept. of Animal and Food Sciences, UKY. Also designed and led laboratory (2 sections): Milk Processing
- 3. *Food Science!* (1.5-hour presentation and demonstration). September 2019. Agricultural Education Society Meeting. Department of Community & Leadership Development.
- 4. Research in valorizing spent grain material. Kentucky Department of Agriculture/UKY Spent Grains Roundtable Meeting. January 2019. Lexington, KY, USA
- 5. *Dairy Foods* (1 class and lab). August 2018. ASC 420: Dairy Science. Dept. of Animal and Food Sciences, UKY. Also designed and led laboratory (2 sections): Milk Processing
- 6. Food Processing of Animal Products (1 class and lab). February 2018. ASC 382: Animal Production Principles. Department of Animal and Food Sciences, UKY. Also designed and led laboratory (2 sections): Milk Processing
- 7. Spotlight on Research. January 2018. CAFE Wildcat Winter Event (undergraduate recruitment event). CAFE, UKY.

RESEARCH SUPPORT: FUNDING

Since my appointment to assistant professor I have been granted a total of \$770,259 in research and instructional support (this does not include my start-up package). I have also applied for several federal grants that were not awarded to me.

| Current Awarded Funds | | Initial year of award |
|--|---|-----------------------|
| USDA-ARS – Co-PI: The Agronomy of Hemp and Its Uses in Forage- | \$1,187,137 (\$336,794 for my | 2021 |
| Animal Agriculture. My subpart of the project: Evaluate plant cell wall structure of hempseed and its transformation during ex vivo rumen fermentation | laboratory) | |
| VerraGlo LLC (subaward for Kentucky Small Business Innovation Research matching program): <i>Analysis of the phosphate content and profile of products containing inorganic phosphates or phytates using HPLC-ELSD and</i> ³¹ <i>P-NMR</i> | \$24,000 | 2021 |
| USDA-ARS – Co-PI: Improving Sustainability of Forage-based Production Systems. My subpart of the project: Optimize digestive fermentation by ruminants and non-ruminants through improved understand of the relationship between grass structural polymers and the efficiency of fermentation | \$1,618,682 (\$125,000 for my laboratory) | 2018 |
| Upcoming Awarded Funds (Competitive) USDA-AFRI-NIFA-Foundational Program - Novel Foods and Innovative Manufacturing Technologies: Transforming distillers spent grains into novel food ingredients with prebiotic and antioxidant characteristics | \$274,000 | 2022 |
| Completed Awarded Funds (Competitive) | | |
| University of Kentucky, College of Agriculture, Food and Environment Research Activity Award (PI): Funding to support purchase of microcentrifuge for my laboratory | \$2344 | 2021 |
| University of Kentucky, College of Agriculture, Food and Environment Research Activity Award (Co-PI): Funding to support purchase of HPAEC analytical equipment for my laboratory | \$2127 | 2021 |
| Sustainability Challenge Grant Award (UKY) – Co-PI: Kentucky Integrated Biorefinery | \$34,887 (\$5119 for my laboratory) | 2019 |
| Charles E. Barnhart Fund for Excellence (CAFE, University of Kentucky): Supporting Professional and Personal Development of UKY Food Science students via IFTSA College Bowl Participation | \$875 | 2018/2019 |
| Hatch/Capacity Project (Non-sponsored) | | 2010 |
| Development and Application of Nuclear Magnetic Resonance-Based Structural Profiling Methods for Arabinoxylans in Foods and Feeds | | 2019 |
| Not Awarded | | Application year |
| USDA-NIFA – Co-PI: Solid-state NMR to Enable Biomaterials, Soft Matter, Agricultural Products, and Biofuels Research (resubmission) | \$500,000 | 2021 |

| USDA-NIFA – Co-PI: Value-Added Utilization of Bourbon | \$500,000 | 2020 |
|--|-------------|------|
| Processing Waste and Proso Millet - an Opportunity to Increase | | |
| Dietary Fiber in Extruded Products (resubmission) | | |
| USDA-NIFA – Co-PI: Solid-state NMR to enable biomaterials, soft | \$499,000 | 2020 |
| matter, agricultural products and biofuels research | | |
| USDA-NIFA – Co-PI: Value-Added Utilization of Bourbon | \$500,000 | 2019 |
| Processing Waste and Proso Millet - an Opportunity to Increase | | |
| Dietary Fiber in Extruded Products (resubmission) | | |
| DOE-BETO – Co-PI: Development of an Advanced Near Infrared | \$3,358,349 | 2019 |
| Hyperspectral Analyzer for Relating Feedstock Characteristics to | | |
| Conversion Potential | | |
| USDA-NIFA – PI: Arabinoxylan Side-Chains: Quantitative Profiling | \$500,000 | 2018 |
| of Precise Structural Differences between Cereal Grain Dietary | | |
| Fibers. | | |
| USDA-NIFA – Co-PI: Value-Added Utilization of Bourbon | \$500,000 | 2018 |
| Processing Waste and Proso Millet - an Opportunity to Increase | | |
| Dietary Fiber in Extruded Products | | |
| NSF - Co-PI: Interweaving Kentucky's Knowledge Resources for | \$3,000,000 | 2018 |
| INFEWS: A Model for STEM Graduate Education | | |

TEACHING EXPERIENCE

University of Kentucky, Department of Animal and Food Sciences Lexington, KY

- 1. Instructor Food Fermentations, FSC 538 (4 credits; 3 hours lecture, 2 hours lab)
 - -Responsible for creating all lecture and laboratory material, instruction, creating and grading assignments, organizing and assisting activities
 - -Instructor of record for:
 - -Spring 2022 semester: 13 students
 - -Spring 2021 semester: 10 students
 - -Spring 2020 semester: 11 students
- 2. Instructor Introduction to Food Processing, FSC 306 (4 credits; 3 hours lecture, 2 hours lab)
 - -Responsible for instruction, creating lecture and laboratory material, creating and grading assignments, organizing and assisting activities
 - -Instructor of record:
 - -Fall 2021 semester: 7 students
 - -Fall 2020 semester: 5 students
 - -Fall 2019 semester: 9 students
 - -Fall 2018 semester: 5 students
 - -Fall 2017 semester: 11 students
- 3. Instructor Special Problems in Food Science, FSC 395 (varied number of credits)
 - -Responsible for mentoring research project, organizing activities, providing support and feedback for final presentation/report
 - -Instructor of record:
 - -Fall 2019 semester: 2 students (Sophia Newhuis, 3 credits; Claire Schamp, 2 credits)
 - -Spring 2021 semester: 1 student (Claire Schamp, 2 credits)
- **4.** Instructor Experiential Learning in Food Science, FSC 399 (varied number of credits)
 - -Responsible for guiding student through reflection of their experiential learning activity, creating and grading reflection and follow-up assignments
 - -Instructor of record:
 - -Fall 2020 semester: 1 student (Morgan Waldner, 1 credit
 - -Summer 2021 semester: 1 student (Jon Neely, 3 credits)
- 4. Faculty Coach IFTSA College Bowl team, November 2018–present

Past assignments

Karlsruhe Institute of Technology, Department of Food Chemistry and Phytochemistry, Karlsruhe, Germany

- 1. Food Chemistry Diploma thesis advisor, December 2012–November 2015
 - -Serve as adviser to eight diploma students (daily laboratory guidance and thesiswriting direction and editing) in Professor Mirko Bunzel's working group
- 2. Food Chemistry Bachelor thesis advisor, October 2014–present
 - -Serve as primary adviser for five bachelor theses
- 3. Instructor GC-MS laboratory class, November 2013–January 2016
 - -Instructor: Rachel R. Schendel
 - -Organize and teach a 2-day practical laboratory class (GC-MS method development/quantification of pesticide residues in fresh produce) individually to 40 groups of students
 - -Responsible for designing curriculum, instruction, creating and grading assignments, organizing and assisting activities

University of Minnesota-Twin Cities, Department of Food Science and Nutrition, Minneapolis, MN, USA

- 1. Graduate teaching assistant Food Analysis, September 2011–December 2011
 - -Instructor: Dr. Baraem (Pam) Ismail
 - -Responsible for laboratory preparation and organization
- 2. Graduate teaching assistant Food Processing, January 2012–May 2012
 - -Instructors: Dr. Gary Reineccius and Dr. David Smith
 - -Responsible for baking laboratory preparation, organization, and instruction

STUDENT TRAINING: GRADUATE STUDENT ADVISOR

List includes only students from my appointment at the University of Kentucky

2021 – presentMiranda Kunes (MSc. student)2021 – presentSophia Newhuis (MSc. student)

2019 Hannah Gaul (Visiting Scholar from Karlsruhe Institute of

Technology, Germany

2018 – 2021 Glenna Joyce (MSc. student; MSc degree awarded in April 2021)

GRADUATE STUDENT AWARDS

2021/2022 Sophia Newhuis, Clair L. Hicks Food Science Scholarship,

Bluegrass IFT section (\$2000)

2019/2020 Glenna Joyce, Clair L. Hicks Food Science Scholarship, Bluegrass

IFT section (\$2000)

STUDENT TRAINING: UNDERGRADUATE STUDENT MENTORSHIP

2018 – present Serve as undergraduate adviser for several Food Science junior and

senior undergraduate students (Lydia Schneider, Morgan Waldner,

Kimberly Lopez)

2018 – present Wrote 50+ recommendation letters for UKY food science students

for scholarship applications, graduate school applications, and

employment opportunities

Selected success stories:

 Morgan Waldner, admittance to University of Kentucky graduate program, 22-23

• Claire Schamp, admittance to University of Tennessee graduate program, 21-22

• Ava Weyrich, Chicagoland Food Science Foundation Scholarship, 21-22

• Clarissa Somers, successful Fulbright award, 21-22

• Clarissa Somers, national IFT scholarship, 20-21

 Clarissa Somers, Clair L. Hicks Food Science Scholarship, Bluegrass IFT section, 20-21

• Lydia Schneider, national IFT scholarship, 18-19

Spring 2021 Claire Schamp (undergraduate research assistant); Project title:

Ester-linked phenolic acid content in cool-season forage plant cell

walls.

Summer-Fall 2019 Sophia Newhuis (undergraduate research assistant); Project title:

Bourbon spent grains as a source of prebiotic food ingredients.

Fall 2019 Claire Schamp (undergraduate research assistant); Project title:

Application of ¹H-NMR to quantify acetyl substituents in plant cell

wall material.

STUDENT TRAINING: THESIS COMMITTEE MEMBER

MSc.

Hyun Mok Kim – University of Kentucky (2017, Completed)

PhD.

Morgan Pyles – University of Kentucky (2020, Completed) Yawen Huang – University of Kentucky (2020, Completed) Jessie Hoffman – University of Kentucky (2018, Completed) Runnan Li – University of Kentucky (In-progress)

PROFESSIONAL AFFILIATIONS

| 2018 – present | American Chemical Society |
|-----------------------------|---|
| 2017 – present | Bluegrass Section Institute of Food Technologists |
| 2009 – 2012, 2016 - present | Institute of Food Technologists |
| 2011 – present | American Association of Cereal Chemists International |
| | / Cereals and Grains Association |
| 2013 - 2017 | Gesellschaft Deutscher Chemiker (Society of German |
| | Chemists) |

PROFESSIONAL SERVICE: JOURNAL REVIEWER

| 2016 – present | Reviewer , Journal of Agricultural and Food Chemistry |
|----------------|--|
| 2017 – present | Reviewer, Cereal Chemistry |
| 2019 – present | Reviewer, ACS Sustainable Chemistry & Engineering |
| 2019 – present | Reviewer, Foods |
| 2020 – present | Reviewer, Applied Sciences |

OTHER PROFESSIONAL SERVICE

| 2015 – present | Member, Cereals and Grains Association (formerly |
|----------------|--|
| | AACCI) Bioactive Compounds Technical Committee |
| | member |
| 2018 – present | Science Fair Project Judge, State FFA Agriscience Fair & |
| | UK Field Day Agriscience Fair |
| 2017 - 2019 | Dare To Dairy dairy food products session presenter, UK |
| | / CAFE Cooperative Extension Service / 4H |

| 2022 | Hiring committee member, Food Science faculty position |
|------|---|
| | in AFS department |
| 2020 | Hiring committee member, Research Animal Scientist |
| | position with USDA-ARS-FAPRU |
| 2019 | Independent Recommender, Dr. Adeoluwa Adetunji's US |
| | EB2-National Waivers Interest application |
| 2018 | Reviewer, Technical abstracts for American Association of |
| | Cereal Chemists International 2018 Annual Meeting |
| | program |

COLLEGE AND DEPARTMENTAL SERVICE

| 2021 – present | AFS Department Graduate Admissions Committee member |
|----------------|---|
| 2019 – 2021 | Assist with IFT accreditation application for Food Science program |
| 2018 – present | Meet individually with prospective Food Science students and their families and provide personalized department tours |
| 2018 - present | Represent Food Science program / Participate in CAFE recruitment and Welcome events |
| | • 4-H/FFA Agric. Field Day UK Involvement Fair (2022) |
| | Kentucky Science Olympiad (2022) |
| | • CAFE Welcome Event (2019) |
| | • CAFE Winter Event (2019) |
| | • CAFE Round-Up Academic Programs Fair (2018) |

• CAFE Winter Event (2018)

• Instit. for Future Agricultural Leaders lunch (2018)

LANGUAGES

Fluent: English (native speaker), German