**Publications:**

Meinhardt C, Howland A, Scaboo A, Diers B, Mitchum MG. Gene stacks and rotation to combat soybean cyst nematode virulence. 2018; in preparation

Masonbrink R, Maier TR, Muppirala U, Seetharam AS, Lord E, Juvale PS, Schmutz J, Johnson NT, Korkin D, Mitchum MG, Mimee B, Eves-vn den Akker S, Hudson M, Severin AJ, Baum TJ. The genome of the soybean cyst nematode (*Heterodera glycines*) reveals complex patterns of duplications involved in the evolution of parasitism genes. 2018; submitted

Jones J, and Mitchum MG. Biology of effectors. Chapter 4 IN: R.N. Perry, M. Moens and J.T. Jones (Eds.) *Cyst Nematodes* CABI International; 2018, pp. 74-83.

Mitchum MG. Soybean resistance to the soybean cyst nematode *Heterodera glycines*: an update. *Phytopathology* 2016; 106(12):1444-1450.

Brzostowski, L.F. and B.W. Diers. 2017. Pyramiding of alleles from multiple sources increases the resistance of soybean to highly virulent soybean cyst nematode isolates. Crop Sci. 57:2932-2941.

Showmaker, KC, Walden, KKO, Fields, CJ, Lambert, KN, Hudson, ME. Genome Sequence of the Soybean Cyst Nematode (*Heterodera glycines*) Endosymbiont “Candidatus *Cardinium hertigii*” Strain cHgTN10. 2018. Genome Announc. **6**, e00624-18

**Invited Oral Presentations:**

Baum, T.J. “Genome and Effector Biology of the Soybean Cyst Nematode”, Molecular and Cellular Biology of Helminth Parasites XI; to be held September 2-7, 2018 in Hydra, Greece.

Baum, T. J. “Genomic Resources for the Soybean Cyst Nematode” Soybean Cyst Nematode Conference: Adapting to an Evolving Pathogen 2016, sponsored by the American Phytopathological Society (APS); Miami, FL, December 13 – 15, 2016

Mitchum MG. European Society of Nematologists, September 9-13th, 2018, Ghent, Belgium, “*Progress and Current Challenges in our Understanding of the Soybean Cyst Nematode-Soybean Interaction*” Keynote Speaker

Mitchum MG. The 17th Biennial Conference on the Molecular & Cellular Biology of the Soybean, August 26-29th, 2018, Athens, GA “*The Complex Interplay between Soybean Resistance and Nematode Virulence*” Invited Speaker

Mitchum MG. American Phytopathological Society Meeting, San Antonio, TX, August 5-9, 2017, “*Nematode Effector Proteins: A Look to the Past with an Eye to the Future*”. Invited Speaker

Mitchum MG. Crop Pest Management Conference, Columbia, MO, December 14-15, 2017, “*Soybean Cyst Nematode Resistance Management*” Invited Speaker

Mitchum MG. Show Me Soy School, Bay Farm, Columbia, MO, July 14, 2017, “*Research Efforts for Control of SCN*” Invited Speaker

Mitchum MG. SCN National Conference, Coral Gables, FL, December 13-15, 2016, “*The Nematode is Talking, But are We Listening?*” Plenary Speaker

Mitchum MG. Farm Journal Soybean College, Bay Farm Research Facility, Columbia, MO, August 2, 2016, “*A Well-Rounded Approach to Fighting Soybean Cyst Nematode*” Invited Speaker

Mitchum MG. Missouri Soybean Center Symposium, University of Missouri, April 28, 2016, “*Soybean Cyst Nematode: Shifting Populations Call for Strategic Measures*” Invited Speaker

Mitchum MG. Soybean Breeder’s Workshop, February 23, 2016, St. Louis, MO, “*The Shifting Sands of the Soybean-Soybean Cyst Nematode Interaction*” Invited Speaker

Diers, BW. University of Illinois Agronomy Day, August 16, 2018, Urbana, IL, “*Genetic resistance to stop losses from soybean cyst nematodes (SCN)*” Volunteer speaker

Diers, BW. BASF Seminar Series, May 23, 2018, Durham, NC, “*Use of genetic diversity for improving resistance to soybean cyst nematode in soybean*” Invited speaker

Diers, BW. University of Illinois Food Security Conference, May 1, 2018, Urbana, IL, “*Use of genetic diversity for improving resistance to soybean cyst nematode in soybean*” Invited speaker

Diers, BW. Illinois Certified Crop Adviser Conference, November 30, 2016, Springfield, IL, “*SCN resistance – Pros and cons*” Invited speaker

Diers, BW. 16th Biennial Molecular and Cellular Biology of the Soybean Conference, August 9, 2016, Columbus, OH. “*Impact of SCN resistance on nematode reproduction and yield*”, Invited speaker

Diers, BW. Soybean Breeders’ Workshop, February 23, 2016, St. Louis, MO, “*Impact of SCN resistance on nematode reproduction and yield*” Invited speaker

**Poster Presentations at Scientific Meetings**:

Verma A, Lin M, Smith D, Chronis D, Gardner M, Lin Y, Hewezi T, Baum TJ, Mitchum MG. Functional characterization of a highly expanded superfamily of dorsal gland effector proteins in cyst nematodes. European Society of Nematology, September 9-14th, 2018, Ghent, Belgium.

Meinhardt C, Howland A, Scaboo A, Diers B, Mitchum MG. Gene stacks and rotation to combat soybean cyst nematode virulence. The 17th Biennial Conference on the Molecular and Cellular Biology of the Soybean, August 26-28th, 2018, Athens, GA.

Meinhardt C, Howland A, Scaboo A, Diers B, Mitchum MG. Gene stacks and rotation to combat soybean cyst nematode virulence. Missouri Soybean Center Symposium, University of Missouri, April 4, 2018

Gardner M, Davis E, Baum TJ, Mitchum MG. Effector variation among populations of the soybean cyst nematode that differ in virulence. Society of Nematology and Organization of Nematologists of Tropical America Meeting, July 17-21, 2016, Montreal, Canada.