

AGENDA

2013 Sclerotinia Initiative Annual Meeting January 23-25, 2013

Wednesday – January 23, 2013

6-8 pm Poster Session/Reception
(posters are displayed for the entire meeting) **McIntosh/Jonathan Room**

Thursday – January 24, 2013

7:15 am Registration/Continental Breakfast **McIntosh/Jonathan Room**

8:15 am Welcome, Introductions & Meeting Charge – **Bill Kemp, USDA-ARS, Fargo, ND**

8:25 am Welcome and Update from the Northern Plains Area – **Mickey McGuire, USDA-ARS, Fort Collins, CO**

8:35 am ARS Office of National Programs Update – **Roy Scott, USDA-ARS, Beltsville, MD**

8:45 am **Featured Speaker**
Dissecting the quantitative resistance to *Sclerotinia sclerotiorum* in Asian *Brassica napus* germplasm – **Lone Buchwaldt, Agriculture and Agri-Food, Canada, Saskatoon, Saskatchewan**

10:00 am Discussion Break **Ballroom Foyer**

Sclerotinia Research Activities – Session 1 **Fireside Room**
Moderator – Michael Wunsch, North Dakota State University, Carrington, ND

10:30 am (1) Development and evaluation of canola breeding populations for resistance to *Sclerotinia sclerotiorum*; (2) Managing *Sclerotinia* stem rot of canola with fungicides – **Luis del Rio, North Dakota State University, Fargo, ND**

10:45 am Identification of resistance and pathogenicity genes associated with *Sclerotinia sclerotiorum* infection in canola – **Rubella Goswami, DuPont Crop Protection, Newark, DE; Luis del Rio, North Dakota State University, Fargo, ND**

11:00 am Genetic variation and virulence of *Sclerotinia sclerotiorum* in the United States – **Berlin Nelson, North Dakota State University, Fargo, ND**

11:15 am Characterization of growth, pathogenicity, and apothecial development of *Sclerotinia sclerotiorum* isolates from different geographic regions in contrasting temperature regimes – **Glen Hartman, USDA-ARS, Urbana, IL**

11:30 am Improved white mold resistance in dry and snap beans through multi-site screening and pathogen characterization throughout major production areas – **James Steadman, University of Nebraska, Lincoln, NE**

11:45 Working Lunch **McIntosh/Jonathan Room**

<i>Sclerotinia</i> Research Activities – Session 2	Fireside Room
Moderator – Weidong Chen, USDA-ARS, Pullman, WA	

12:45 pm Discovery of novel sources of resistance to head rot and stalk rot in cultivated sunflower and wild *Helianthus* – **Thomas Gulya, USDA-ARS, Fargo, ND**

1:00 pm Facilitating management of *Sclerotinia* head rot of sunflowers through screening hybrids for resistance and evaluating fungicides for efficacy – **Michael Wunsch, North Dakota State University, Carrington, ND**

1:15 pm Evaluation of wild *Helianthus* species for resistance to *Sclerotinia* stalk rot – **Charles Block, USDA-ARS, Ames, IA**

1:30 pm Association mapping of *Sclerotinia* stalk rot resistance in domesticated sunflower plant introductions – **Zahirul Talukder, North Dakota State University, Fargo, ND; Brent Hulke, USDA-ARS, Fargo, ND**

1:45 pm Deployment of novel sources of *Sclerotinia* resistance in sunflower – 2012 progress – **Lili Qi & Brent Hulke, USDA-ARS, Fargo, ND**

2:00 pm Use of a transformation system in sunflower for *Sclerotinia* resistance studies – **John Finer, The Ohio State University, Wooster, OH**

2:15 pm Transferring *Sclerotinia* resistance genes from wild *Helianthus* species into cultivated sunflower – **Chao-Chien Jan, USDA-ARS, Fargo, ND**

2:30 pm Break & Poster Session **McIntosh/Jonathan Room**

<i>Sclerotinia</i> Research Activities – Session 3	Fireside Room
Moderator – Brent Hulke, USDA-ARS, Fargo, ND	

3:00 pm White mold resistance-QTL: Identification, interactions, and fine mapping in common bean – **Phil Miklas, USDA-ARS, Prosser, WA; James Myers, Oregon State University, Corvallis, OR; Phil McClean, North Dakota State University, Fargo, ND**

3:30 pm Pyramiding QTL for white mold resistance in Mesoamerican beans – **James Kelly, Michigan State University, East Lansing, MI**

3:45 pm Inheritance studies of new potential sources of resistance to white mold in dry bean – **Juan Osorno, North Dakota State University, Fargo, ND**

4:00 pm Characterization of the genetic basis for partial resistance to *Sclerotinia sclerotiorum* in pea – **Kevin McPhee, North Dakota State University, Fargo, ND; Lyndon Porter USDA-ARS, Prosser, WA**

4:15 pm Expression profiling of the pea-*Sclerotinia sclerotiorum* interaction for genomics-assisted breeding – **Martin Chilvers, Michigan State University, East Lansing, MI**

4:30 pm Wrap-up & Adjourn (Dinner on your own)

Friday – January 25, 2013

7:00 am Steering Committee Breakfast Meeting **Beacon Conference Room**

7:15 am Continental Breakfast **McIntosh/Jonathan Room**

***Sclerotinia* Research Activities – Session 4** **Fireside Room**
Moderator – Rubella Goswami, DuPont Crop Protection, Newark, DE

8:30 am Functional analyses of copper-zinc superoxide dismutase gene, a virulence factor, of *Sclerotinia sclerotiorum* – **Weidong Chen, USDA-ARS, Pullman, WA**

8:45 am Identification of novel loci for resistance to *Sclerotinia* stem rot in perennial soybean accessions – **Leslie Domier, USDA-ARS, Urbana, IL**

9:00 am Enhancing soybean for resistance to *Sclerotinia* stem rot – **Dechun Wang, Michigan State University, East Lansing, MI**

9:15 am Functional verification of candidate defense-related genes to *Sclerotinia sclerotiorum* in soybean and *Arabidopsis* – **Steven Clough, USDA-ARS, Urbana, IL**

9:30 am Break **Ballroom Foyer**

***Sclerotinia* Initiative Research: The next steps** **Fireside Room**
Moderator – Bill Kemp, USDA-ARS, Fargo, ND

10:00 am ***Guest Speaker***
Strategic Planning & Reporting Progress – **Rich Wilson, USDA-ARS, Office of National Programs–Retired, Raleigh, NC**

10:30 am Strategic Plan Discussion – Writing Team Input/Revisions

11:15 am Agreements Update – Marcie Currie-Gross, USDA-ARS, Fort Collins, CO

11:45 am Working Lunch **McIntosh/Jonathan Room**

1:00 pm Assignment of Additional Tasks & Wrap-up of Initiative Business

2:00 pm Adjourn (Travel Safely!)