Laboratory and field tours at UC Davis/Plant Pathology (see attached map).

8:30-9:00 a.m. Students will assemble at 8:30 for light refreshments in the foyer of Hutchison Hall.

9:00 a.m.-12:00 p.m. Short introductions of faculty research including questions and answers after each presentation in Room 115, Hutchison Hall. (We will have plant pathologists from universities of western states introduce themselves, i.e. how they became interested in plant pathology, what their research entails, and if they are still having fun.)

12:00-1:00 p.m. Hosted Lunch

1:00-2:00 p.m. Tour of Plant Pathology Labs and visit to Armstrong Field (Half the students will visit plant pathology labs in the department and the other half will visit Armstrong Farm [pathology field area on campus] to view and talk about plant diseases, disease epidemiology, control.)

2:15-3:15 p.m. Tour of Plant Pathology Labs and visit to Armstrong Field (Armstrong group will visit labs and lab group will visit the Armstrong Farm.)

3:30-4:00 p.m. Refreshments, one-on-one discussion and announcements for the meeting in Sacramento in the Hutchison Hall Foyer.

4:00-6:00 p.m. Registration. Embassy Suites Hotel, Sacramento, CA.

5:00-7:00 p.m. Opening Social at the Embassy Suites Hotel Bar/Outdoor Patio, Sacramento, California.

THURSDAY, June 28, 2012

APS/Pacific Divisional Meeting begins, Embassy Suites Hotel, Sacramento, California

6:30-8:00 a.m. Breakfast: Complimentary for Embassy Suite Guests
6:30-8:00 a.m. Registration. Embassy Suites Hotel, Sacramento, CA.

8:00-8:10 a.m. Welcome remarks by Debra Inglis, President, APS/Pacific Division
8:10-8:20 a.m. Remarks by Carol Ishimaru, President, APS

8:20-11:00 a.m. Verticillium Symposium, Management of Verticillium spp. for Agroecosystem Health. Themis Michailides, APS/PD President-Elect, facilitating; co-chair: Steve Koike

8:20-8:40 a.m. Verticillium wilt: Disease development in commercial mint and potato fields. Dr. Dennis Johnson, Washington State University, Pullman, WA.

8:40-9:00 a.m. Population biology of Verticillium dahliae associated with potato and mint: Implications for Verticillium wilt management. Dr. Jeremiah Dung, Washington State University, Pullman, WA.

9:00-9:20 a.m. Scientific method and habeus corpus: Assessing the significance and management of seedborne Verticillium in spinach. Dr. Lindsey du Toit, Washington State University, Pullman.

9:20-9:40 a.m. Coffee Break. Chair: Thomas Gordon; co-chair: Steve Koike

9:40-10:00 a.m. Vert. in the dirt: Status of Verticillium wilt in the fields of coastal California. Steve Koike, University of California Cooperative Extension, Salinas.

10:00-10:20 a.m. Verticillium wilts and management with special emphasis on lettuce. Dr. Krishna Subbarao, University of California, Davis/ Salinas, CA.

10:20-10:40 a.m. Managing Verticillium wilt in strawberries with and without fumigation. Dr. Thomas Gordon, University of California, Davis.

10:40-11:00 a.m. Discussion and Questions on Verticillium wilt. Embassy Suites Hotel, Sacramento, CA

11:00-12:00 p.m. Session 1. Graduate Student Paper Competition. Chair: Juliet Marshall; co-chair: Suzanne Rooney-Latham


11:15-11:30 a.m. Quantitative molecular assays for investigating virus-host and virus-virus interactions using negative-stranded RNA viruses as a model system. N. CHINGANDU, K. Druffel, K. Schroeder, P. Okubara, and H. Pappu, Department of Plant Pathology, Washington State University, Pullman, WA, U.S.A.
11:30-11:45 a.m. Modeling uncertainty in grapevine powdery mildew. R. A. CHOUHURY (2), N. McRoberts (2), W. F. Mahaffee (1), and W. D. Gubler (2); (1) USDA ARS, Corvallis, OR; (2) University of California Davis, CA, U.S.A.

11:45-12:00 p.m. Genome sequences of two field isolates of Bean common mosaic virus. X. FENG (2), A. R. Poplawsky (2), O. V. Nikolaeva (2), J. R. Myers (1), A. V. Karasev (2); (1) Oregon State University, Corvallis, OR, U.S.A.; (2) University of Idaho, Moscow, ID, U.S.A.

12:00 -12:15 p.m. Verticillium dahliae in production fields of the ornamental nursery industry. J. WEILAND, USDA-ARS, Corvallis, OR, U.S.A. (non-competing abstract).

12:15-1:30 p.m. Hosted Lunch

1:30– 5:20 p.m. Roundtable Discussion: New plant pathology problems and issues in the Pacific Division region. Farm advisors, PCAs, County Agents, Industry Representatives.

1:30-3:20 p.m. Discussion Session 1: Trees and Vines. Chair: Doug Gubler

3:20-3:40 p.m. Coffee Break

3:40-5:20 p.m. Discussion Session 2: Vegetables and Row Crops. Chair: Lindsey du Toit

5:45-7:00 p.m. Pacific Division Social, Embassy Suites Hotel

7:00-9:00 p.m. Hosted Dinner, Embassy Suites Hotel

FRIDAY, June 29, 2012

6:30-8:00 a.m. Breakfast (Complimentary for Embassy Suite Guests)

6:30-8:00 a.m. Registration.

7:00-8:00 a.m. Breakfast Meeting for Executive Officers of the APS/PD

8:00-9:00 a.m. Session 2. Graduate Student Paper Competition. Embassy Suites Hotel, Chair: Julien Mercier; co-chair: Soum Sanogo

8:00-8:15 a.m. Colonization of sclerotia of Sclerotinia sclerotiorum by a fungivorous nematode. R. GARCIA DE LA CRUZ, and G. R. Knudsen; University of Idaho, Moscow, ID, U.S.A.

8:15-8:30 a.m. Oxalic acid production and mycelium pigmentation in relation to pathogenicity of Sclerotinia sclerotiorum on Valencia peanut. P. A.
8:30-8:45 a.m. The phoP/Q two-component regulatory system plays important roles in *Xylella fastidiosa*’s colonization of *Vitis vinifera* grapevines. B. K. PIERCE, and B. Kirkpatrick, University of California Davis, CA, U.S.A.

8:45-9:00 a.m. Lettuce diseases observed in high tunnel and open field organic production in western Washington. M. POWELL, B. Gunderson, J. Cowan, C. Miles, and D. A. Inglis, WSU Mount Vernon NWREC, WA, U.S.A.

9:00-10:00 a.m. Session 3. New Diseases and Etiology. Embassy Suites Hotel. Chair: Zamir Punja; co-chair: Claudia Nischwitz

9:00-9:15 a.m. Evidence of inhibitory volatiles of London rocket and flixweed against three soilborne pathogens of chile pepper. S. SANOGO (2), and T. Schaub (1); (1) Center for Animal Health, Food Safety and Bio-Security, New Mexico State University; (2) New Mexico State University, Dept. of Entomology, Plant Pathology, Weed Science, Las Cruces, NM, U.S.A.

9:15-9:30 a.m. Post-harvest storage diseases of onion in Utah. C. NISCHWITZ, and C. Dhiman, Utah State University, Logan, UT, U.S.A.

9:30-9:45 a.m. Fruit infection and postharvest decay of greenhouse tomatoes caused by *Penicillium* species in British Columbia. Z. PUNJA, S. Chatterton, and A. Wylie, Simon Fraser University, Burnaby, B.C., Canada.

9:45-10:00 a.m. Fungi associated with palm dieback and palm wilt symptoms in California. S. Rooney-Latham, California Department of Food and Agriculture, Plant Pest Diagnostics Lab., Sacramento, CA, U.S.A.

10:00-10:15 a.m. Coffee break

10:15-11:00 a.m. Session 4. Graduate Student Paper Competition. Embassy Suites Hotel. Chair: Richard Bostock; co-chair: Brenna Aegerter

10:15-10:30 a.m. Early infection events in tomato roots predisposed to *Phytophthora capsici* by salt stress. M.F. PYE, J. D. MacDonald, and R. M. Bostock, University of California Davis, CA, U.S.A.

10:30-10:45 a.m. The ecology of tree-seedling immunity: Symptomless *Fusarium circinatum* infection as a trigger for enhanced pathogen resistance in *Pinus radiata* seedlings. C. L. SWETT and T. R. Gordon, University of California, Davis, CA, U.S.A.
10:45-11:00 p.m. Constitutive plasmid-based protein expression in Xylella fastidiosa. J. Warren, G. Kasun, and B. Kirkpatrick, University of California, Davis, CA, U.S.A.

11:00-12:00 noon Session 5. Bacterial, Soilborne, and Foliar diseases. Chair: Brenna Aegerter; co-chair: Richard Bostock

11:00-11:15 a.m. Diversity of Agrobacterium tumefaciens found in Yuba County California. M. M. Hert, A. E. McClean, and D. A. Kluepfel, USDA-ARS-CPGRU, Davis, CA, U.S.A.

11:15-11:30 a.m. Field flooding for controlling soilborne potato pathogens in western Washington. J. Niem (1), B. Gundersen (2), and D. A. Inglis (2); (1) International Rice Research Institute, Los Baños, Philippines; (2) Washington State University, Mount Vernon, WA, U.S.A.

11:30-11:45 a.m. Effect of two soil inoculants on seed germination and infection of chile seedlings by Phytophthora capsici. S. Sanogo (1), B. Roth (1), L. Liess (1), and K. Grover (2); (1) New Mexico State University, Dept. of Entomology, Plant Pathology, Weed Science, Las Cruces, NM; (2) New Mexico State University, Department of Plant and Environmental Sciences, Las Cruces, U.S.A.

11:45-12:00 noon Control of tomato powdery mildew (Leveillula taurica) and impacts on fruit yield and quality in central California. B. Aegerter (3), E. Miyao (5), T. Turini (1), S. Stoddard (2), and M. Le Strange (4); (1) UC Cooperative Extension Fresno Co., Fresno, CA.; (2) UC Cooperative Extension Merced & Madera Co., Merced, CA.; (3) UC Cooperative Extension San Joaquin Co., Stockton, CA.; (4) UC Cooperative Extension Tulare & Kings Co., Tulare, CA.; (5) UC Cooperative Extension Yolo, Solano & Sacramento Co., Woodland, CA, U.S.A.

12:00-1:15 p.m. Hosted Lunch

12:00-1:15 p.m. Graduate Student Competition Committee, Luncheon privately.

1:15-3:00 p.m. Session 6. Disease Management. Chair: Gary Chastagner; co-chair: Helga Förster


1:30-1:45 p.m. Fitness and competitiveness of Penicillium spp. isolates with reduced sensitivity to fludioxonil and pyrimethanil. H. Förster and J.
1:45-2:00 p.m.  **Efficacy of iodomethane against Armillaria root rot of cherry and peach rootstocks.** K. NGUYEN (2), H. Forster (2), L. Wade (1), and J. Adaskaveg (2) (1) Arysta LifeScience Cary, NC, U.S.A.; (2) Dept. of Plant Pathology and Microbiology, University of California, Riverside, CA, U.S.A.

2:00-2:15 p.m.  **Application of bio-active organic mulch for suppressing purple and yellow nutsedges in tomato production.** Y. M. SHABANA (1), R. Charudattan (2), A. H. Abou Tabl (1), and E. Rosskopf (3); (1) Department of Plant Pathology, Faculty of Agriculture, Mansoura University, El-Mansoura, EGYPT; (2) Department of Plant Pathology, University of Florida, Gainesville, FL; (3) USDA, ARS, USHRL, Fort Pierce, FL, U.S.A.

2:15-2:30 p.m.  **Wheat root defense gene induction by biocontrol *Pseudomonas fluorescens*.** C. Maketon (1) and P. A. OKUBARA (2); (1) Department of Plant Pathology, Washington State University, Pullman, WA; (2) USDA-ARS, Root Disease and Biological Control Research Unit, Pullman, WA, U.S.A.

2:30-2:45 p.m.  **Gibberilic acid-3 mimics the symptoms of twister disease of onion.** R. T. Alberto (1) and S. SANOGO (2). (1) Department of Crop Protection, Central Luzon State University, Munoz, Nueva Ecija, Philippines; (2) New Mexico State University, Dept. of Entomology, Plant Pathology, Weed Science, Las Cruces, NM, U.S.A.

2:45 -3:00 p.m.  **Coffee Break**

3:00-4:00 p.m.  **Session 7. Miscellaneous Diseases.** Chair: Akif Eskalen; co-chair: Carla Thomas

3:00-3:15 p.m.  **Proteomic study of white pine-blight rust interaction.** J. LIU and A. Zamany, Canadian Forest Service, Victoria, BC, V8Z 1M5, CANADA

3:15-3:30 p.m.  **Grape mealybug ecology and its role in grape leafroll associated virus epidemiology.** C. M. Wistrom (2), M. L. Cooper (1), J. T. Hutchins (2), R. P. Almeida (2), and K. M. Daane (2); (1) University of California Cooperative Extension, Napa County, CA; (2) University of California, Berkeley, CA, U.S.A.

3:30-3:45 p.m.  **NPDN expands analysis of the national repository.** C. S. THOMAS (8), A. Coggeshall (8), R. M. Bostock (8), N. McRoberts (4), M. Burrows (5), E. Luke (7), M. Hill (7), P. Poe (1), S. Clark (2), L. Coop (6), P. Jepson
3:45-5:00 p.m.  **Business Meeting** (time can be adjusted)

5:00 p.m.  **Adjourn**

**Note:** For those leaving the next day, dinner on your own.

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