UC Davis
Western Center for Agricultural Health and Safety

Fall Symposium
October 25, 2018
International Center, UC Davis
Welcome!
WCAHS overview
Plan for the day
WCAHS Mission

The mission of the Western Center for Agricultural Health and Safety is to:

improve the health and safety of farmers, farmworkers, and their families in Western agriculture.
Research Program

We conduct research on causes and prevention of agriculture-related illness and injuries:

• **Major research projects** (5 years)

• **Small research grants** (1 year)
# Core Research Projects

<table>
<thead>
<tr>
<th>PI</th>
<th>Project</th>
<th>Department</th>
<th>College/School</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kent Pinkerton &amp; Keith Bein</td>
<td>Differential characterization of air pollutant emissions and associated toxicity from common agricultural practices in the San Joaquin Valley</td>
<td>Pediatrics</td>
<td>SOM, SVM</td>
</tr>
<tr>
<td>Christopher Simmons</td>
<td>Reducing toxin exposure for workers in western agriculture: Development of sustainable alternatives to soil fumigation</td>
<td>Food Science and Technology</td>
<td>CAES</td>
</tr>
<tr>
<td>Fadi Fathallah</td>
<td>Ergonomic &amp; biomechanical evaluation of mechanical &amp; robotic strawberry harvest-aids</td>
<td>Biological and Agricultural Engineering</td>
<td>COE, CAES</td>
</tr>
<tr>
<td>PI</td>
<td>Project</td>
<td>Department</td>
<td>College/School</td>
</tr>
<tr>
<td>---------------------</td>
<td>--------------------------------------------------------------------------</td>
<td>--------------------------------------------</td>
<td>----------------</td>
</tr>
<tr>
<td>Marc Schenker</td>
<td>Heat illness prevention in farmworkers: Translation of economic, socio-cultural, and physiological factors into effective interventions</td>
<td>Public Health Sciences</td>
<td>SOM</td>
</tr>
<tr>
<td>Rob Atwill</td>
<td>Reducing occupational exposure to zoonotic pathogens in California dairy workers</td>
<td>Population Health and Reproduction</td>
<td>SVM</td>
</tr>
</tbody>
</table>
Small Grant Program

- Program seeks to engage investigators new to the Center and/or ag health and safety
- Annual request for proposals in Spring/Summer
- Funding October-September
- Awards range from $10,000 - $30,000
Outreach Program

• Travel throughout CA to deliver trainings to growers, supervisors, and farmworkers
  – Heat illness prevention
  – Pesticide safety
  – Identifying hazards
  – Workers’ rights
  – Sexual harassment prevention
Outreach Program

- Provide health and safety information at health fairs and community events across the state
- Assist study investigators in translating results for stakeholders
- NEW: Outreach and Education Funding
Opportunities

• Quarterly GSR funding for UC Davis graduate students
• Small Grant Program
• Outreach and Education Funding
• Emerging Issues Program
Plan for the day

• Morning
  – Research presentations by WCAHS investigators and graduate students funded by the Center
  – Panel discussion: sexual harassment in agriculture
  – Poster display during break

• Afternoon
  – Research roundtables
  – Panel discussion: safety perspectives from the farm