



## 21<sup>st</sup> ANNUAL NAPPC INTERNATIONAL CONFERENCE

### Agenda

October 19<sup>th</sup> – 21<sup>st</sup>, 2021

Virtual Meeting on Zoom



#### Tuesday, October 19<sup>th</sup>

**8:00 AM PT / 11:00 AM ET**

[10 mins]

#### Welcome

**Laurie Davies Adams**, *Director of Programs* at Pollinator Partnership

**Dr. Rebecca Johnson**, *Associate Director for Science and Chief Scientist* at the Smithsonian National Museum of Natural History

**Kelly Rourke**, *Executive Director* at Pollinator Partnership

**8:10 AM PT / 11:10 AM ET**

[70 mins]

#### Keynote Speakers

**Dr. Abram Bicksler**, Food and Agriculture Organization of the United Nations: *The intersection of sustainable food systems and pollinator health.*

**Valerie Segrest**, Tahoma Peak Solutions and Member of the Muckleshoot Tribe: *Honoring indigenous land practices to improve food systems and pollinator health.*

**Mikol Hoffman**, Food Producer Network at World Central Kitchen: *Creating resilient food systems by supporting communities and pollinators.*

**9:20 AM PT / 12:20 PM ET**

[10 mins]

#### Briefing from Chief of NRCS, Terry Cosby

**9:30 AM PT / 12:30 PM ET**

[20 mins]

**Dr. Eric Lonsdorf**, University Of Minnesota and **Dr. Taylor Ricketts**, University Of Vermont: *Rewarding farmers for the collective benefits of installing pollinator habitat.*

**9:50 AM PT / 12:50 PM ET**

[15 mins]

#### BREAK

**10:05 AM PT / 1:05 PM ET**

[65 mins]

#### Keynote Speakers

**Dr. Christina Grozinger**, Penn State University: *Predicting And Managing Bee Health In A Changing World.*

**Dr. Olivia Messinger-Carril**, Author Of The Bees In Your Backyard: *Documenting Native Bee Populations: Past Efforts, Future Endeavors, And A Place For Citizen Science.*

**Dr. Kirsten Traynor**, 2 Million Blossoms: *Protecting Our Pollinators: 2 Millions Blossoms: Communicating Pollinator Science To A Wide Audience.*

**11:10 AM PT / 2:10 PM ET**

[15 mins]

#### BREAK

11:25 AM PT / 2:25 PM ET  
[30 mins]

**NAPPC 2020 Award Ceremony**

United States Pollinator Advocate Award

*The Bee Cause Project*

Canada Pollinator Advocate Award

*Pollination Guelph*

Mexico Pollinator Advocate Award

*Especies, Sociedad y Habitat, A.C. (ESHAC)*

United States Farmer-Rancher Pollinator Conservation Award

*Dan and Michael O'Loughlin, O'Loughlin Farm*

Canada Farmer-Rancher Pollinator Conservation Award

*Shannon McNally, White Church Farm*

Mexico Farmer-Rancher Pollinator Conservation Award

*Emilio Vieyra, Mezcal Don Mateo de la Sierra*

11:55 AM PT / 2:55 PM ET  
[10 mins]

**BREAK**

12:05 PM PT / 3:05 PM ET  
[20 mins]

**NAPPC 2020 Award Ceremony**

Pollinator Electric Power Award

*The Meadoway, Toronto and Region Conservation Authority*

Pollinator Roadside Management Award

*Nebraska Department of Transportation (DOT)*

Business for Bees Sustainability Award

*Almond Board of California*

NAPPC Lifetime Achievement Award

*Peter Kevan*

12:25 PM PT / 3:25 PM ET  
[5 mins]

**Kelly Rourke: Thank You and Closing**

**Wednesday, October 20<sup>th</sup>**

8:00 AM PT / 11:00 AM ET  
[15 mins]

**NAPPC, P2, and NMNH Welcome**

8:15 AM PT / 11:15 AM ET  
[30 mins]

**NAPPC Member Moments**

**Charlie Wooley:** Pollinator Conservation in the U.S. Fish and Wildlife Service

**Laurie Davies Adams:** California Pollinator Coalition

**Jessica Fox:** Electric Power Companies Researching Pollinators

**Vicki Wojcik:** Bee City Canada

**Kirsten Traynor:** Lost in Translation: European Pollinator Programs and potential collaborations

**8:45 AM PT / 11:45 AM ET**

[50 mins]

**9:35 AM PT / 12:35 PM ET**

[25 mins]

**10:00 AM PT / 1:00 PM ET**

[120 mins]

**12:00 PM PT / 3:00 PM ET**

[25 mins]

**12:25 PM PT / 3:25 PM ET**

[63 mins]

**1:33 PM PT / 4:33 PM ET**

[12 mins]

**Lora Morandin:** Crop Specific BMP Guides

**Olav Rueppell:** Variation in virus susceptibility among honey bee castes

**Mary Jamieson:** Cross pollination: connecting research, education, and community engagement

**Ray McAllister:** Voluntary Pollinator Conservation Initiatives supported by the Crop Protection industry

**Elizabeth Kaufman:** Pollinators and Solar

**Tamara Smith:** Rusty Patched Bumble Bee (*Bombus affinis*) recovery planning, resources, and observations

## **2020 – 2021 Task Force Reports**

**BREAK**

## **Task Force Breakout Session 1**

**BREAK**

## **Honey Bee Health Grantee Research Updates with Q&A**

**Laura Avila, PhD., Nicole Gerardo, PhD., and Berry Brosi, PhD.** at **Emory University** and the **University of Washington:** *Bee gut microbiome changes and pathogen prevalence after exposure to agricultural antibiotics.*

**Lewis J Bartlett, PhD.** at the **University of Georgia:** *Trialing a novel insecticide to control small hive beetle infestation and encourage supplementary pollen feeding as part of honey bee health.*

**Adam G Dolezal, PhD.** at the **University of Illinois at Urbana-Champaign:** *Can improved diet quality ameliorate the interactive effects of sublethal pesticide exposure and viral infection in honey bees?*

**Brock Harpur, PhD., Keith Pardee, PhD., and Margot Karlikow, PhD.** at **Purdue University** and the **University of Toronto:** *Developing inexpensive CRISPR-Cas12a assays to detect honey bee virii in the field.*

**Evan Palmer-Young, PhD.** at the **USDA Agricultural Research Service Bee Research Laboratory:** *Does temperature enhance microbiome-mediated resistance to infection in honey bees?*

**Ilse Ruiz-Mercado** at the **Universidad Nacional Autónoma de México:** *Climate change mitigation: rainwater harvesting ecotechnologies to reduce drought stress in honey bee colonies in southern Mexico.*

**Closing Instructions**

## Thursday, October 21<sup>st</sup>

<b>8:00 AM PT / 11:00 AM ET</b> [10 mins]	<b>Welcome and Instructions for the day</b>
<b>8:10 AM PT / 11:10 AM ET</b> [120 mins]	<b>Task Force Breakout Session 2</b>
<b>10:10 AM PT / 1:10 PM ET</b> [30 mins]	<b>BREAK</b>
<b>10:40 AM PT / 1:40 PM ET</b> [30 mins]	<b>NAPPC Member Moments</b> <b>Iris Caldwell:</b> Monarch Butterfly CCAA Update <b>Miles Dakin:</b> Bee Friendly Farming International <b>Diana Cox-Foster:</b> USDA-ARS-PWA Pollinating Insect Research Unit <b>Coro Arizmendi and David Prieto-Torres:</b> Implications of climate change on conservation hummingbird populations in Mexico <b>Junaid Khan:</b> Project Swallowtail <b>Dewey Caron:</b> The BeeMD transitions to USDA APHIS ITP <b>Anthony Colangelo:</b> Bee Surveys in the Northwest Territories <b>Chris Hiatt:</b> AHPA Update: Value of pollination in the U.S. <b>Josée Rousseau:</b> Birds as indicators of pollinator communities <b>Amber Barnes:</b> Project Wingspan <b>Meredith Holm:</b> GLRI Pollinator Task Force Update
<b>11:10 AM PT / 2:10 PM ET</b> [30 mins]	<b>NAPPC 20-Year Vision Presentation</b>
<b>11:40 AM PT / 2:40 PM ET</b> [15 mins]	<b>BREAK</b>
<b>11:55 AM PT / 2:55 PM ET</b> [100 mins]	<b>Task Forces Present on 2021-22 Plans</b>
<b>1:35 PM PT / 4:35 PM ET</b> [25 mins]	<b>Closing</b>