



**Botanical Safety
Consortium
(BSC)
Annual (Virtual)
Meeting 2021**



Botanical Safety Consortium (BSC) Annual (Virtual) Meeting 2021

Welcome & Objectives

Connie Mitchell

Scientific Program Manager

June 2021



**BOTANICAL
SAFETY CONSORTIUM**

Today's Agenda

Agenda

11:00–15:00 (US Eastern)

- 11:00** Welcome & Meeting Objectives
Ms. Connie Mitchell, HESI
- 11:15** Botanical Safety Consortium
Introduction and Updates
Dr. Cara Welch, US FDA
- 11:45** Keynote Talk #1: The hERG Screen
Project: Enhancing Botanical Safety by
Cardiotoxic Risk Assessment
Dr. Ulrike Grienke, University of Vienna
- 12:15** Chemical Analysis for Ashwagandha
Root Extract
Dr. Vincent Sica, Procter & Gamble
- 12:35** Modeling of Botanical Constituents:
Initial Work & Next Steps
Dr. Michael Lawless, Simulations Plus
- 13:15** BREAK
- 13:30** New Approach Methodologies
Applied to Botanicals
Dr. Vicki Sutherland, NIEHS
- 14:00** Keynote Talk #2: Challenges Clinicians
Face Regarding Botanical Safety
Dr. Tieraona Low Dog
- 14:30** Open Discussion
- 15:00** ADJOURN

Keynote Speakers



Keynote Talk #1

The hERG Screen Project:
Enhancing Botanical
Safety by Cardiotoxic Risk
Assessment

Dr. Ulrike Grienke
University of Vienna



Keynote Talk #2

Challenges Clinicians Face
Regarding Botanical Safety
Dr. Tieraona Low Dog



Meeting Objectives

- Provide information on the structure, mission, objectives, & strategy of the BSC
- Share our progress the past year
- Present ongoing work in the botanical safety space
- Recruit new BSC stakeholders
- Solicit input into current scientific challenges and opportunities related to botanical safety



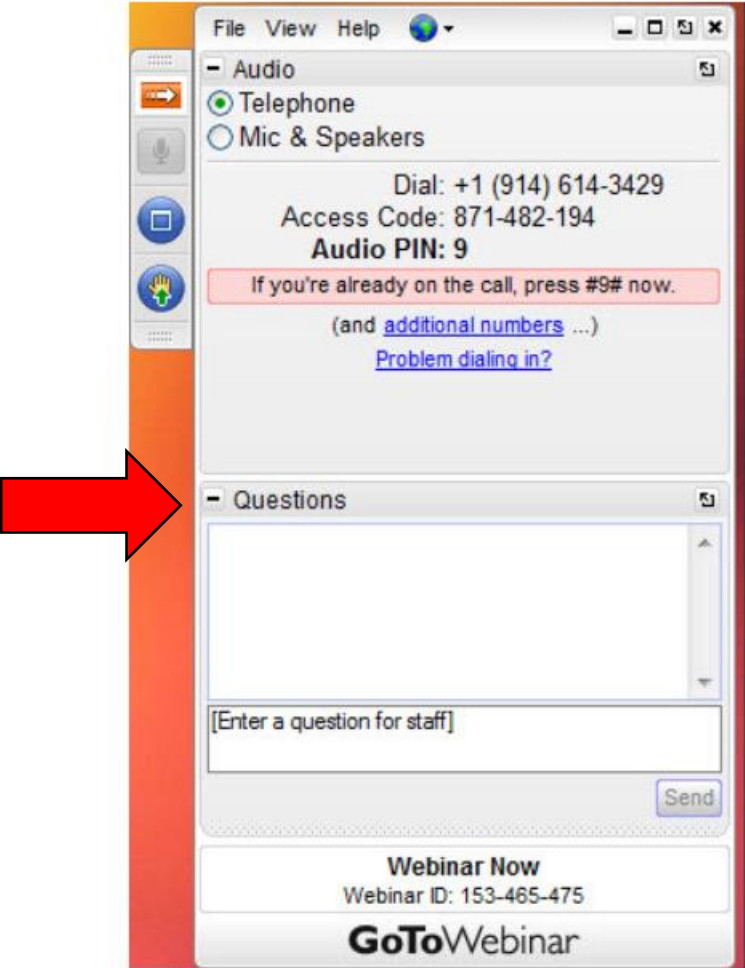
Logistics

- The entire meeting will be recorded and made available via the BSC website
- PDFs of the slides will be made available via the BSC website
- All participants other than the speakers are muted; questions should be typed in using the Question Box in the Control Panel
- We will have ~5 minutes after each presentation for clarifying questions
- There is time at the end of the meeting for more discussion and additional questions
- If you have trouble during the webinar, please email Michelle Embry (membr@hesiglobal.org) or Connie Mitchell (cmitchell@hesiglobal.org)

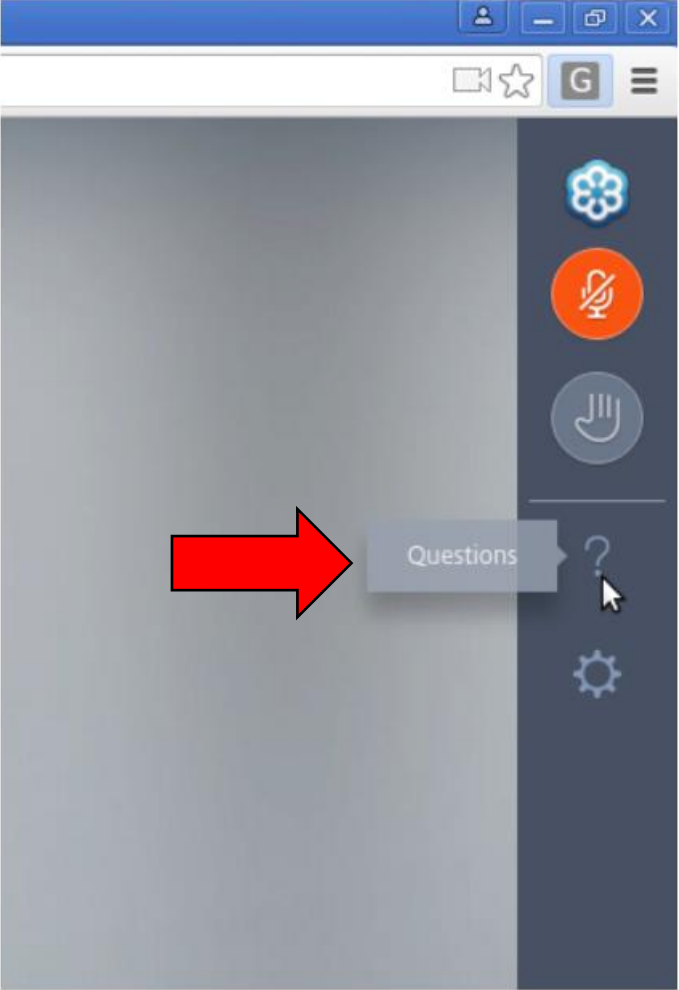


Asking Questions....

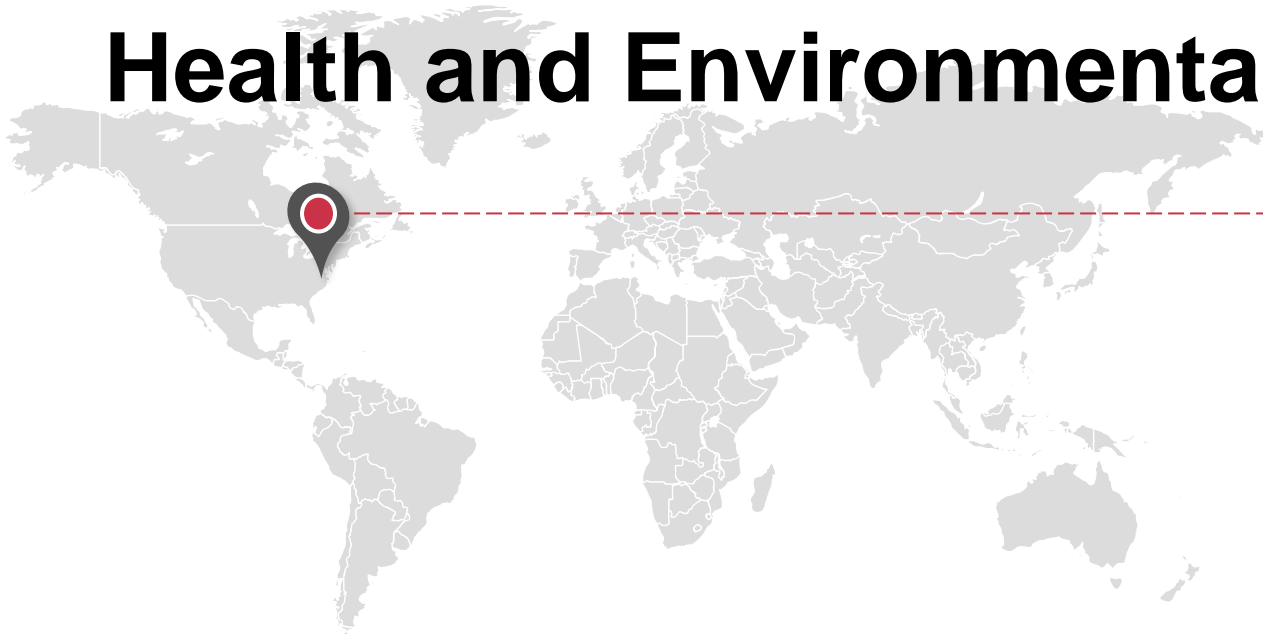
DESKTOP



WEB / INSTANT JOIN



Health and Environmental Sciences Institute (HESI)



- Non-profit scientific foundation based in Washington DC USA
- Operating Internationally for over 30 years.

www.HESIGlobal.org

The HESI Model: Bridging Research to Translation

IMPROVED
Safety and Innovation for Human
Health and Environmental Health



SCIENTIFIC FOCUS AREAS



ACCURATE AND EFFICIENT CHEMICAL RISK ASSESSMENT



SAFE AND EFFECTIVE MEDICINES



ENVIRONMENTAL QUALITY AND SUSTAINABILITY



FOOD SAFETY

COMMITTEES

Animal Alternatives in Environmental Risk Assessment

Botanical Safety Consortium

Cardiac Safety

Cell Therapy – TRacking, Circulation and Safety (CT-TRACS)

Collaboration on Ototoxicity Risk Assessment (CORA)

Development of Methods for a Tiered Approach to Assessment the Bioaccumulation of Chemicals

Developmental and Reproductive Toxicology (DART)

Emerging Systems Toxicology for the Assessment of Risk (eSTAR)

Environmental Epidemiology for Risk Assessment

Genetic Toxicology

Immuno-Safety

Multi-Component Substances (MCS) and UVCBs

PBPK Models

Protein Allergens, Toxins and Bioinformatics (PATB) and the COMPARE database

Risk Assessment in the 21st Century (RISK21)

Transforming the Evaluation of Agrochemicals (TEA)

Translational Biomarkers of Neurotoxicity (NeuTox)

PROJECT MECHANISMS



DECISION FRAMEWORKS



DATA SHARING & COLLECTIVE ANALYSIS



NOVEL EXPERIMENTAL STUDIES



MANUSCRIPTS



TOOL / ASSAY DEVELOPMENT



SCIENTIFIC MEETINGS & TRAININGS

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