

# WELCOME TO THE MICROPLASTICS HEALTH EFFECTS WEBINAR SERIES

- **The meeting will begin at 8:00**
- **Please contact Paul Smith ([pauls@sccwrp.org](mailto:pauls@sccwrp.org)) if you are having connection difficulties**
- **Attendees will be muted until the public question period**
  - Please use the Q&A box to communicate with the host if you have questions
- **Webinar series will be recorded and placed on the SCCWRP web site**

# MOTIVATION FOR THE WEBINAR SERIES

- **California has legislative mandates for microplastics management**
  - SB 1422 requires implementation of routine drinking water microplastics monitoring by 2021
  - SB 1263 requires development of a Microplastics Management Strategy for the California ocean by 2022
- **These mandates require addressing several scientific holes**
  - Agreeing to a definition of microplastics (done)
  - Standardizing methods for measuring microplastics (in process)
  - Developing a health effects construct for interpreting the data that will be collected
- **Webinar series is foundational for a workshop to address that third need**
  - 18 of the top people in the field are convening to develop scientific consensus
  - Online technology provides an opportunity to share the introductory talks with a wider audience

# WEBINAR SERIES SCHEDULE

- **Five 2-hour sessions on successive Mondays starting today**
  - They will be recorded in case you can't make them all
- **Week 1 (Today): Management perspectives**
  - Management community leaders will describe the information they need from scientists to fulfill their legislative mandates
- **Week 2: Review of the scientific literature**
  - Three talks that will frame current knowledge as a starting point for workshop discussions
- **Weeks 3-5: Emerging science**
  - Nine talks by leaders in the field describing their recent research relevant to a health effects interpretational context

# TODAY'S SPEAKERS

- **What are the needs of the State Water Resources Control Board to address the drinking water monitoring requirements?**
  - Dr. Scott Coffin – State Water Resources Control Board, Division of Drinking Water
- **What are the needs of the California Ocean Protection Council?**
  - Dr. Mark Gold – Executive Director of the Ocean Protection Council
- **Canada's approach to plastic pollution**
  - Christine Lemieux - Health Canada
- **How do you set thresholds in the context of imperfect information?**
  - Jonathon Bishop – Chief Deputy Director for the State Water Resources Control Board

# QUESTIONS FOR OUR SPEAKERS

- **There will be time for questions after each speaker**
  - First opportunity for questions will go to the workshop invitees, as the webinars are intended to prime their workshop
  - We will take audience questions to the extent there is time
- **Time is allocated at the end of each day for audience questions**
  - We will bring all speakers back onscreen for this part of the webinar
- **Type your questions into the Q&A box**
  - Please enter the nature of your question/comment so we can group them appropriately
  - Please indicate if you would like to verbalize the comment yourself, or have it read for you

## **Week 1 : Management Perspectives**

- State Water Resources Control Board - Scott Coffin
- Ocean Protection Council – Mark Gold
- Canada’s approach – Christine Lemieux
- How you set thresholds in the context of imperfect information – Jon Bishop

## **Week 2 : Summarizing Existing Knowledge**

- Modes of potential impact for drinking water - Stephanie Wright
- Modes of potential impact for the ambient ecosystem - Chelsea Rochman
- Approaches to risk assessment for microplastics - Bart Koelmans

## **Week 3 : The Diversity of Microplastics**

- Todd Gouin – Prioritizing microplastic chemical properties for assessing toxicity
- Hans Bouwmeester – Influence of particle chemistry on uptake, transport and toxicity
- Bart Koelmans – Describing microplastics using a 3D distribution

## **Week 4 : New Research in Microplastics Health Effects**

- Valerie Stock – Uptake and effects of microplastics following ingestion
- Martin Wagner – Effects of plastic associated chemicals
- Matt Cole – Effects of microplastics in lower trophic organisms

## **Week 5 : Microplastics Moving Forward**

- Susanne Brander – Effects across biological levels of organization
- Tamara Galloway – Anticipating and adapting to changes in the plastic industry
- Lisa Scheuermann – Synthesizing data and identifying research gaps for risk assessment