

SEGH Live: Americas Tentative Schedule

Session Day: September 23rd, 2021
Session duration: up to 3hrs (13:00-16:00 CDT)
Zoom link: <https://zoom.us/j/96157990715>

Introduction (13:00- 13:15)

Michael Watts: President's welcome and introduction to the SEGH (10 min)

Bob Finkleman: History of SEGH Americas (5 min)

Talks Session 1:

Full length talks: ~12 minute talks with time for questions

(13:15-13:30) Malcolm Siegel: Chair, Geology and Health Scientific Division, Geological Society of America, LJS Consulting Inc. "Medical geologists on the team: New roles in exposure science and risk management"

(13:30-13:45) David Patch: PhD Candidate, Royal Military College of Canada
"From Sock to Stream: Environmental Release, Transport, Fate, and Effects of Weathered Silver Nanomaterials From Commercial Products"

(13:45-14:00) Iris Koch: Senior Analytical Manager, Royal Military College of Canada
"From health concerns to data quality: Investigations into an underperforming bioaccessibility standard reference material"

Lightning talks (5 minutes)

(14:00-14:05) Jessica Allingham PhD Student, Lakehead University
"Brightening Up Brain Injuries: The Design, Synthesis and Characterization of a PET Diagnostic Agent for Neuronal Trauma"

(14:05-14:10) Susanne Charlesworth, Coventry University, Professor
"Sustainable drainage in refugee camps and favelas: addressing human and environmental health"

(14:10-14:15) Annalise Guarino, PhD Student, University of Naples Federico II
Estimating radon fluxes through different datasets to discriminate sources and assess health risks in Campania region (Italy)

(14:15-14:25) Lightning talk question/answer period

Coffee/tea break and open discussion period (14:25-14:35)

Talks Session 2:

Full length talks:

(14:35-14:50) Sally Entrekin: Associate Professor, Entomology, Virginia Tech
“Salt effects on carbon quality and cycling across riparian-stream boundaries”

(14:50-15:05) Nicole Wagner: Postdoctoral Research Associate, Department of Biology, Baylor University
“Acclimation to variable nitrogen:phosphorus ratios affects the ionome and physiology of a nitrogen fixing cyanobacteria”

(15:05-15:20) Maria Armienta: Research Professor, Universidad Nacional Autónoma de México
“Arsenic and chromium in groundwater of Central Mexico. Identification of sources and alternatives to avoid population exposure”

Lightning talks (5 minutes)

(15:20-15:25) Jana Isanta-Navarro, Postdoctoral Research Fellow, Flathead Lake Biological Station
“Food quality influences *Daphnia* salt tolerance “

(15:25-15:30) Clay Prater, Postdoctoral Research Fellow, Oklahoma State University
“Geochemical gradients influence *Daphnia* ionic variation in SW Greenland”

(15:30-15:35) Justin Oettle, Undergraduate Researcher, Wichita State University
“Temporal differences in how drying-rewetting cycles and vertebrates alter nutrient dynamics”

(15:35-15:40) Lightning talk question/answer period

Session Close/Feedback Session (15 minutes)