

## **SEGH Live: Americas 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)**