MONDAY, JULY 31, 2017

SESSION 1: WORKSHOP ON NOVEL RESEARCH FINDINGS ON ASBESTOS HEALTH EFFECTS

7:30 AM    Registration, Poster session opens
8:00 AM    Welcome – James S. Webber, Ph.D., Johnson Conference Co-Chair
8:15 AM    Introduction – Deborah Keil, Ph.D., Montana State University

Non-Cancer Outcomes Session (Moderator: Deborah Keil, Ph.D., Montana State University)
8:30 AM    Speaker: Jean Pfau, Ph.D., Montana State University
9:00 AM    Panel member #1: Brad Black, M.D. Center for Asbestos Related Diseases, Libby MT.
9:20 AM    Panel member #2: Bob Benson, Ph.D. U.S. Environmental Protection Agency, Region 8
9:40 AM    Panel member #3: Arnold Brody, Ph.D. Tulane University Medical School

10:00 AM    Panel & Audience Discussion

10:45 AM    BREAK

Asbestos Biomarker Session (Moderator: Jean Pfau, Ph.D.)
11:00 AM    Speaker: Harvey Pass, M.D., New York University, Langone Medical Center
11:30 AM    Panel member #1: Ian Blair, Ph.D., University of Pennsylvania

11:50 AM    LUNCH (On your own)

1:00 PM    Panel member #2: Raphael Bueno, M.D., Harvard Medical School
1:20 PM    Panel member #3: Arti Shukla, Ph.D. University of Vermont, College of Medicine

1:40 PM    Panel & Audience Discussion

2:20 PM    BREAK

Cancer Outcomes Session (Moderator: Arti Shukla, Ph.D.)
2:30 PM    Panel member #1: Prasad S. Adusumilli, M.D., Weill Cornell Medical Center, New York
2:50 PM    Panel member #2: David W. Kamp, M.D., Northwestern University Medical School
3:10 PM    Panel member #3: Andrey Korchevskiy, Ph.D., Chemistry & Industrial Hygiene, Inc

3:30 PM    Speaker: Christopher Weis, Ph.D., NIEHS

4:00 PM    Panel & Audience Discussion (Additional Participants: Poster presenters)

4:45 PM    Wrap up (Jean Pfau)

6:30 PM    Reception at Sheraton Hotel (cash bar)
TUESDAY MORNING, AUGUST 1, 2017
SESSION 2: GEOLOGY – Session Co-Chairs: Mickey E. Gunter and Sean Fitzgerald

8:00AM
Poster session opens

8:20AM Introduction and Announcements – Frank Ehrenfeld, Johnson Conference Co-Chair

8:30AM
Towards a training program for geologists and other asbestos professionals working on NOA projects
R. Mark Bailey, Bradley Erskine

8:50AM
NOA at the Calaveras Dam Replacement Project: A status report
Bradley Erskine

9:10AM
Conceptual model for surficial redistribution of naturally occurring asbestos in arid and semi-arid landscapes: Case study in southern Nevada, USA
Brenda J Buck, Rodney V. Metcalf, Brett T. McLaurin

9:30AM
Update on erionite
Martin Harper

9:50AM
Erionite analysis by TEM
Robyn Ray

10:10AM
BREAK

10:30AM
Two modes of fibrous growth habit in amphiboles
Rodney V. Metcalf, Brenda J. Buck

10:50AM
Proposal of a partition in the diagram Si vs. Mg / Mg + Fe, taking into account all calcic asbestiform amphiboles
Maxime Misseri, Didier Lahondere
11:10AM
Additional XRD and pre-concentration developmental work on the determination and characterization of erionite and other zeolites in support of ASTM Work Item, WK 39550, PLM analysis of soils and gravels and NIOSH (Martin Harper) evaluations for erionite by PLM, microprobe, and TEM analyses
Gary P. Tomaino

11:30AM
Using stable O and H isotope ratios to constrain conditions of talc formation in southwest Montana and other economically significant locations
Marian E. Buzon, Mickey E. Gunter

11:50AM
Mineralogical resources for those dealing with respirable mineral dust
Mickey E. Gunter

12:10PM LUNCH (On your own)
TUESDAY AFTERNOON, AUGUST 1, 2017
SESSION 3: REGULATORY PERSPECTIVES – Session Co-Chair: Myron Getman

1:40PM
ASTM E2356-14 "Standard Practice for Comprehensive Building Asbestos Surveys" - The application to industry
Tom Laubenthal

2:00PM
Asbestos at the source: understanding the differences between regulated commercial asbestos, asbestiform minerals in rocks, and false positives
Don Halterman

2:20PM
Avoiding 1%: analytical mindfulness and statistical monitoring
Frank Ehrenfeld

2:40PM
Finalizing the Libby Action Plan Research Program
Maureen R. Gwinn, David L. Berry, Andrea Kirk, Annie Jarabek, David Bussard, Ronald Hines, Deborah McKean, Michael Scozzafava

3:00PM
BREAK

3:20PM
State asbestos regulations between the lines: What is the nature of enforcement?
Thomas B. (Brad) Mayhew

3:40PM
Rainbows and colored pencil drawings: the fallacy of determining a numeric refractive index from dispersion staining colors
Don Halterman

4:00PM
Peggy Forney: USEPA National Enforcement Investigative Center Career Achievement
Frank Ehrenfeld

4:20PM
Death by point counting
F. Stephen Masek

4:40PM
Afternoon Session Adjourns
WEDNESDAY, AUGUST 2, 2017

SESSION 4: DEVELOPING ANALYTICAL METHODS – Session Chairs Frank Ehrenfeld and Jeanne Spencer

8:00AM
Poster session opens

8:20AM Introduction and Announcements – Michael Breu, Johnson Conference Co-Chair

8:30AM
Challenges of reconciling two asbestos testing laboratories’ analytical results on an NOA job site with complicated amphibole mineralogy
R. Mark Bailey, John Harris

8:50AM
ASTM dust methods: The effects of the ultrasonic preparation technique on asbestos concentration, how to interpret the results
Andreas Saldivar, Leonard Burrelli

9:10AM
Gary P. Tomaino

9:30AM
Fluidized bed asbestos segregator – Inter-laboratory round robin
Jed Januch, David Berry, Lynn Woodbury

9:50AM
Update on new methods for asbestos in pharmaceutical grade talc
Martin Rutstein, Julie Pier, Daniel Crane, Sean Fitzgerald, Mickey Gunter, Don Halterman, Kate Houck, Lee Poye, Matthew Sanchez, Alan Segrave, Gary Tomaino, Drew VanOrden, James Webber, Jeffrey Medwid (FDA), Steven Wolfgang (FDA), Kevin Moore

10:10AM
BREAK

10:30AM
Concentration methods improve detection limits for the analysis of talc for asbestos
Julie W. Pier

10:50AM
Effectiveness of PLM for the analysis of chrysotile asbestos spiked into talc
Julie W. Pier
11:10AM
**Libby and other amphiboles, the ends are in sight**
Jeanne Spencer

11:30AM
**Optical analysis of the fibrous/acicular zeolites: A spindle stage approach**
Kristina Pourtabib, Mickey Gunter

11:50AM **LUNCH (On your own)**

1:40PM
**Electron backscatter diffraction for phase Identification in asbestos analysis: Real world case studies**
Bryan Bandli

2:00PM
**Comparison between PCM and TEM analysis of filters loaded with LA-spiked soil standards using the FBAS preparation method**
David Berry, Lynn Woodbury

2:20PM
**Update on ASTM WK52495: Standard Test Method for Qualitative Determination of Fibers Consistent with Libby Amphibole Asbestos Fibers in Loose Fill Vermiculite by Transmission Electron Microscopy**
Jeanne Spencer

2:40PM
**Insight into the analysis on dispersion staining curves**
Derek Ho

3:00PM **Break**

3:20PM
**Examples of determining the detection limit for asbestos analysis using ASTM6620**
James R. Millette

3:40PM
**Micro-Raman and Wavelength Dispersive Spectroscopy (WDS) analysis comparison of samples from former talc mines in the Gouverneur Mining District, New York.**
Brittani D. McNamee, Aaron Celestian

4:00PM **Afternoon Session Adjourns**
THURSDAY MORNING, AUGUST 3, 2017
SESSION 5: METHODS AROUND THE WORLD & MISCELLANEOUS – Session Co-Chairs: Eric J. Chatfield & James S. Webber

8:00AM
Poster session opens

8:20AM Introduction and Announcements

8:30AM
Measuring asbestos in heavy dusting conditions
Reiner Köenig

8:50AM
ASBconstos-IN-Soil (ASBINS) - Australian experience
Ross McFarland

9:10AM
Drywall joint compound by visual estimation, point counting, and TEM
Andreas Saldivar

9:30AM
Framework for assessment and phytoremediation of asbestos-contaminated sites
Brenda B. Casper, Cédric Gonneau

9:50AM
Site assessment and characterization of talc at Fontana, Gianna and Paola horizons, Italy
Alan Segrave

10:10AM
BREAK

10:30AM
ISO standard methods for determination of asbestos
Eric J. Chatfield

10:50AM
Evaluation of friction materials for asbestos and investigation of fiber release
Steve Compton

11:10AM
Asbestos-containing materials associated with steam locomotives
William Ewing
11:30AM
**Italian asbestos superfund: the importance of on-site surveys, sampling and analysis**
Federica Paglietti, S. Malinconico, B. Conestabile della Staffa, S. Bellagamba, P. De Simone

11:50AM
**Asbestos-cement’s underground networks: technical, operational and safety issues.**
Sergio Malinconico, F. Paglietti, B. Conestabile della Staffa, S. Bellagamba, P. De Simone

12:10PM **LUNCH** (On your own)
The case of asbestos-containing cigarettes
James R. Millette

Differentiation of amphiboles and inadequacy of current methods for asbestos analysis
Sean Fitzgerald

Asbestos exposure litigation case types: what is hitting the courtrooms today
Sean Fitzgerald

Taz and Sons: bad removal of asbestos coated pipeline
Peggy Forney

Break

Liberty fibers: asbestos NESHAPs investigation, criminal prosecution and Superfund Victim Restitution Order
Ann Strickland, Peggy Forney

Evaluation of the proposed correction factor for comparing the ratio of indirect and directly prepared TEM samples containing amphiboles
Drew Van Orden

Serpentine and amphibole group mineral characterization in talc ores and talc based products accurate, repeatable, and defensible SAED evaluations
Matthew S. Sanchez, Monica Mcgrath, Long Li

Detect or not to detect: a discussion on when is zero actually zero?
Richard Lee, Bryan Bandli, Drew Van Orden, Matt Sanchez

Afternoon Session Adjourns
FRIDAY, AUGUST 4, 2017

SESSION 7: RISK EVALUATION – Session Co-Chairs: Julie Wroble and Martin Harper

8:20AM Introduction and Announcements

8:30AM  
The good, the bad, and the ugly: Selecting analytical methods for different purposes  
James S. Webber

8:50AM  
Elongate mineral particles: What should be measured?  
Eric J. Chatfield

9:10AM  
A new PCM equivalent TEM method for risk assessments  
John Harris

9:30AM  
Comparison of PC and TEM-PCME concentrations for nearly 10,000 air samples collected from the Libby asbestos superfund site  
Lynn Woodbury, Erin Formanek

9:50AM  
A Bayesian approach for estimating exposure point concentrations with low count asbestos air data  
Ralph Perona

10:10AM  
BREAK

10:30AM  
Mesothelioma in Jefferson Parish, Louisiana: A follow-up of America's largest current asbestos epidemic  
Bruce W. Case

10:50AM  
Chrysotile in California reservoir water: Is it an H&S impact?  
Bradley Erskine

11:10AM  
Asbestiform minerals in nature, legal jurisdiction, and areas of responsibility: The Boulder City, Nevada, bypass project as a case study of misunderstanding and misconception  
Don Halterman, Dan Crane
11:30AM
River Street Warehouse Fire: A Case Study of an EPA Emergency Response (when it rained asbestos on Portland)
Julie Wroble

11:50AM LUNCH (On your own)

1:30PM
Asbestos soil remediation: In situ versus excavation and disposal off site respirable asbestos in soil
Shimson Lerman

1:50PM
Respirable asbestos in soil
Ed Cahill

2:10PM
Use of FBAS prepared soil samples to make cleanup decisions at an ACM-contaminated site
Tim Frederick, David Berry

2:30PM
Our experience with three different preparation methods for lung tissue fiber burden analysis
Ed Cahill

2:50PM
Closing Remarks
James R. Millette, PhD., Johnson Conference Co-Chair

3:00PM Conference Adjourns
POSTERS

MONDAY
Quantitative analysis of the role of fiber length on phagocytosis and inflammatory response by alveolar macrophages
Trudy Padmore, Carahline Stark, Julie Champion, and Leonid A. Turkevich
Georgia Institute of Technology, Atlanta GA, and CDC/NIOSH

Arizona Amphibole Asbestos Induces Autoimmunity and Fibrosis in Mice
Deborah Keil¹, Brenda Buck², Caleb Stair¹, Zoie Kaupish¹, Rodney Metcalf², Jean C. Pfau¹
¹Montana State University, Department of Microbiology and Immunology, Bozeman MT
²University of Nevada Las Vegas, Department of Geosciences, Las Vegas, NV

microRNA as Exosomal Biomarkers for Mesothelioma
Phillip B. Munson and Arti Shukla. Ph.D.

TUESDAY
A Tale of Two Quarries
Sean Fitzgerald

WEDNESDAY
Elutriation Techniques
Sean Fitzgerald

Sink or swim: analysis of heavy liquid separation methods for asbestos in talc and vermiculite, and tips for obtaining the best results
Don Halterman

THURSDAY
Asbestos in Consumer Products
Sean Fitzgerald