

International Beryllium Research Conference

March 8 –11, 2005



**Presentation
book**



In March 2005, the IRSST held the International Beryllium Research Conference. In order to promote the dissemination of knowledge, to better inform workers and employers, and to contribute to the prevention of cases of beryllium sensitization or chronic berylliosis, the IRSST is providing all the speakers' presentations, in pdf format, on its Web site.

In browsing this document's links, you can download these in whole or in part.

SESSION 1

Overview of Beryllium Uses, Health Effects, Exposure, and Surveillance

DWEIK, Raed; MD, Cleveland Clinic Foundation

[Diagnosis and Management of Beryllium Sensitization and CBD](#)

HENNEBERGER, Paul; MPH, ScD, National Institute for Occupational Safety and Health (NIOSH)

[Process and Exposure-Related Risk for Beryllium Sensitization and CBD](#)

HOOVER, Mark D.; PhD, CHP, CIH, National Institute for Occupational Safety and Health (NIOSH)

[Beryllium Properties and Uses](#)

LAPARÉ, Sylvain; PhD, Noranda Inc./Falconbridge Ltd

MARTINY, John, PhD, CIH, National Jewish Medical and Research Center (NJC)

[Measurement and Prevention of Beryllium Exposure in Facilities with Beryllium](#)

MROZ Peggy; MSPH, National Jewish Medical and Research Center (NJC)

[Epidemiology of Beryllium Sensitization and CBD](#)

ROSSMAN, Milton; MD, University of Pennsylvania Medical Center

[History of Beryllium Disease](#)

SESSION 2

Examples of Medical Surveillance Programs

ROBIN, Jean-Paul; MD, Noranda Inc./Falconbridge Ltd

[Medical Surveillance in the Recycling Industry](#)

SCHULER, Christine; PhD, National Institute for Occupational Safety and Health (NIOSH)

[National Institute for Occupational Safety and Health Beryllium](#)

[Research Program](#)

STANGE, Arthur W.; PhD, Oak Ridge Institute for Science and Technology (ORISE)

[Beryllium Health Surveillance in U.S. Department of Energy Facilities](#)

SESSION 3

International Overview of Beryllium Disease and Exposure Assessment

CREEK, Kathryn; Los Alamos National Laboratory (LANL)

[Beryllium Health and Safety Committee](#)

FIREMAN, Élizabeth; PhD, Tel-Aviv Medical Center

[The Search for Berylliosis in Israel: First Five Years \(1999-2004\)](#)

MÜLLER-QUERNHEIM, Joachim; MD, Medical University of Freiburg

[Diagnoses of Chronic Beryllium Disease within Cohorts of Sarcoidosis Patients](#)

NEWMAN, Lee; MD, (Keynote speaker), MA, National Jewish Medical and Research Center (NJC)

[Scope of the Problem: Industrial Dissemination of Beryllium and Disease](#)

THORAT, D.D.; Bhabha Atomic Research Centre, Inde

[Overview of Beryllium Control and its Exposure Assessment : An Update](#)

TREMBLAY, Louis; Commission de la santé et de la sécurité du travail (CSST)

[Problematic beryllium: current situation in Québec](#)

VINCENT, Raymond; INRS

[Occupational Exposure to Beryllium in France](#)

WATTERSON, Andrew; PhD, FIOSH, RSP, University of Stirling

[Making 'sense' and 'non sense' of international research on beryllium toxicity](#)

SESSION 4

Industrial Hygiene Update

BISTLINE, Robert; PhD, United States Department of Energy (U.S. DOE)

[Approaches to Control of Beryllium in Production and D&D Workplace Activities](#)

DAY, Gregory A.; PhD, National Institute for Occupational Safety and Health (NIOSH)

[Skin as a Route of Exposure to Beryllium](#)

HOOVER, Mark D.; (Keynote speaker), PhD, CHP, CIH, National Institute for Occupational Safety and Health (NIOSH)

[Critical Gaps and Needed Industrial Hygiene Actions to Understand and Prevent Beryllium Sensitization and CBD](#)

KENT, Michael; MS,CHI, Brush Wellman Inc.

[Use of Leading Measures to Prevent CBD in the Beryllium Supply Chain](#)

MARTYNY, John; PhD, CIH, National Jewish Medical and Research Center (NJC)

[What is a "safe" level of exposure for return to work?](#)

STANGE, Arthur W.; PhD, Oak Ridge Institute for Science and Technology (ORISE)
[Setting Administrative Guidelines and Standards](#)

STEFANIAK, Aleksandr B.; PhD, National Institute for Occupational Safety and Health (NIOSH)
[Characterization of Beryllium Aerosols](#)

SESSION 5

Molecular, and Genetic Mechanisms of Chronic Beryllium Disease and Beryllium Sensitization

AMICOSANTE, Massimo; MD, University of Rome
[Beryllium T cell-MHC Interactions](#)

MAIER, Lisa; (Keynote speaker), MD, MSPH, National Jewish Medical and Research Center (NJC)
[Update on Beryllium Genetics, and Immunology](#)

SAWYER, Dick; PhD, National Institute of Allergy and Infectious diseases (NIAID) National Institutes of Health (NIH)
[Beryllium-Ferritin Induced Macrophage Apoptosis](#)

SAWYER, Dick; PhD, National Institute of Allergy and Infectious diseases (NIAID)
[National Institutes of Health \(NIH\)](#)
[Beryllium and Oxidative Stress](#)

WESTON, Ainsley; PhD, National Institute for Occupational Safety and Health (NIOSH)
[Molecular Modeling and Molecular Epidemiology Investigations of Chronic Beryllium Disease](#)

SESSION 6

New Approaches to Medical Surveillance Testing

CRAGLE, Donna; PhD, Oak Ridge Institute for Science and Technology (ORISE)
[Beryllium Lymphocyte Proliferation Testing](#)

FONTENOT, Andrew; MD, University of Colorado Health Sciences Center (UCHSC)
[ELISPOT, Implications for Molecular Mechanisms and Diagnosis](#)

KREISS, Kay; (Keynote speaker) MD, National Institute for Occupational Safety and Health (NIOSH) Perspectives on
[Medical Surveillance Testing](#)

MROZ, Peggy; MSPH, National Jewish Medical and Research Center (NJC)
[Neopterin Testing as a Potential Diagnostic Tool in CBD](#)

TAKARO, Tim; MD, MPH, University of Washington
[Alternative Lymphocyte Proliferation Tests: BrdU and Flow Cytometry Based Tests](#)

SESSION 7

Risk Communication

Training - Effective Tool for Practical Application of the Newest Data on Beryllium through Risk Communication and Involvement of Interested Stakeholders (Panel)

[PAVLOVA, Maria; \(Panel moderator\) MD, PhD, United States Department of Energy \(U.S. DOE\)](#)

[BISTLINE, Robert; PhD, United States Department of Energy \(U.S. DOE\)](#)

[IMMELE, Bob; Pacific Northwest National Laboratories](#)

[TAKARO, Tim; MD, MPH, University of Washington](#)

SESSION 8

Abstracts presentation

[BARNES, Tristan; M. Gillespie, L. Silveira, L. Maier, L. Newman](#)
[Bronchoalveolar Lavage Heterogeneity in Chronic Beryllium Disease](#)

[BROUSSEAU, Pauline, M. Rossignol, B. Mazer, C. Dion](#)
[The Reliability of the Beryllium Lymphocyte Proliferation Test \(BeLPT\): The "Québécoise" Experience](#)

[DION, Chantal; A. Dufresne, Y. Cloutier, G. Perrault, S. Viau](#)
[Exploring Determinant Factors for Beryllium Exposure Assessment in Occupational Settings](#)

[LABRÈCHE, France; J. Forest, C. Lafortune](#)
[Identification of Beryllium Exposure in some Primary Metal Industries and Aeronautics Plants Operating a Foundry: the Québec Experience](#)

[RODRIGUES, Ema; L. Pepper, M. McClean, H. Keith-Lucas, L. Haskell, R. Harrison, J. Guerriero, R. Meister.](#)
[Exposure Risk Factors Associated with Beryllium Sensitivity in Former Workers at the Nevada Test Site \(NTS\)](#)

[THOMASSEN, Yngvar; D.G. Ellingsen, K. Dahl, I. Martinsen, N.P. Skaugset, P.A. Drabløs](#)
[Occupational Beryllium Exposure in Primary Aluminium Production](#)

[WELCH, Laura S.; J. Dement, K. Ringen, P.Susi, T. Peterson](#)
[Beryllium Exposure and Disease Among Construction Workers](#)

SYMPOSIUM SUMMARY

[Download the article : *Beryllium: What we know and what remains to be discovered*](#)