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Microbe Inotech Laboratories, Inc. Newsletter

The MiL inc. provides services to the Metal-Working Fluids Industry

Volume 1, no. 4B [7th September 2006]

In this issue:

Mycobacterial One-Day Workshop Scheduled for Friday, Nov. 3rd, 2006

Mycobacterium Tests Conducted at the MiL --Patent Issued

Research Collaboration using Raman Spectrometer with Rapid Scientific, Inc.

Mycobacterial One-Day Workshop Scheduled for Friday, Nov. 3rd, 2006

Dear Bruce C.,

Environmental Mycobacteria Seminar: Lube Manufacturers and Formulations Engineers ---The MiL inc. along with three other sponsors which include CombiMatrix (Seattle, WA), EpiCentre Biotechnologies (Madison, WI) and The Arkema Group (fomerly Atofina, Philadephia, PA) invite you to attend our seminar, a one-day series of speakers from both industry and academia covering environmental mycobacteria issues. We invite environmental project engineers and managers, health and safety personnel, or regulatory officials, who desire more technological knowledge and perspective on microbiological principles for decision making. Technical sales personnel in the Metal-Working Fluids Industry, wastewater microbiologists, or laboratory specialists and others who desire the latest information in microbial characterization and identification of environmental isolates will find the seminar packed with new perspectives and methodologies. It will build upon basic microbiology for the formulator/diagnostic environmental decision-maker. **Attendance will again be restricted to the first 200 registrants.** A significant number have already registered, so don't wait long. For more information go to our website page by clicking here: Check it all out on our dynamic website under the Seminar Tab . **Learning Objectives:** Upon completion of this day, you will have a basic understanding of the principles of diagnostic environmental microbiology with a focus on newer methodologies which are being applied evermore frequently from the applied areas of biochemistry and biotechnology, such as qPCR and MicroArray techniques. You will be aware of the many

Environmental Mycobacteria Seminar will be in the SBC Auditorium of the Donald Danforth Plant Science Center in St. Louis. You, our clients and friends, are being given the first opportunity, so don't delay, it will be filled quickly. We are pleased to announce that our capstone speaker will be Dr. Jeffrey I. Gordon, The Dr. Robert J. Glaser Distinguished University Professor and Professor of Medicine at Washington University School of Medicine, St. Louis, MO. He is Head of the Department of Molecular Biology and Pharmacology and the Director of the newly established Center for Genome Sciences at Washington University and among his numerous honors and awards, he was elected a member of the National Academy of Sciences USA in 2001 and the American Academy of Arts & Sciences in 2004. We are also pleased to have Dr. Lars T. Angenent, Assistant Professor of Chemical Engineering, and a member of the Washington University in St. Louis's Environmental Engineering Science Program as another guest speaker in addition to resources available to assist in detecting environmental mycobacteria and putting your surveys on a more sure foundation of excellence in microbiology and quantitative analytical methods. Your perspective on the microbial world around you will be greatly enhanced to your benefit and the benefit of your company, its clients and their employees. Go to www.microbeinotech.com for more registration and pricing information. **Date, Time and Location** Friday, November 3rd, 2006 8:30AM to 4:30PM Held at the Donald Danforth Plant Science Center 975 N. Warson Rd., St. Louis, MO 63132 Sponsored by: **Microbe Inotech Laboratories Inc.** 7259 Lansdowne Ave. Ste. 200 St. Louis, MO 63119-3421 **Combimatrix** 6500 Harbour Heights Pkwy, Ste. 300 Mukilteo, WA 98275 **EpiCentre Biotechnologies** 726 Post Road Madison, WI 53713 **Arkema, Inc.** 2000 Market Street Philadelphia, PA 19103

- **Mycobacterium Tests Conducted at the MiL --Patent Issued**

Microbe Inotech Laboratories, Inc. continues its involvement in environmental mycobacteria as an organizational member of ASTM International. Dr. Hemming presented our real-time qPCR assay for *Mycobacterium* at a workshop sponsored by the working committee on "Detection and Enumeration of *M. immunogenum* in Metal-Working Fluid in Orlando, FL, December of 2004. This invitation had come as a result of his publication with Dr. Michael Gernon (Arkema Group, fomerly Atofina Chemicals) of a paper entitled "Research Delves into Metalworking Fluid Risks", Lubes-N-Greases, 2003 9(12), 14-20. Dr. Hemming is now chairing a subcommittee having two other researchers, one in Canada, the other in Switzerland on a round-robin test design of two or three qPCR protocols under the auspices of ASTM International's Committee 34.50. This effort had been delayed until we became established in our new facilities last year. On May 11th, 2006 a patent was issued entitlted "Method to Rapidly Quantify Mycobacteria in Industrial Fluids" by the World Intellectual Property Organization under the Patent Cooperation Treaty (PCT) [WO2006/049793 A2] the inventors being Dr. Michael D. Gernon and Dr. Conor Dowling, both of Arkema, Inc. and Dr. Bruce C. Hemming of the MiL inc. The MiL inc. is also developing with CombiMatrix, Inc. of Seattle, WA a genotypic pathogen microarray for environmental mycobacteria and we expect to have some additional interesting findings in addition to the qPCR work for the forum in November.

officers of both [CombiMatrix, Rapid Scientific](#).

- **Research Collaboration using Raman Spectrometer with Rapid Scientific, Inc.**

We are pleased to announce the interaction we've been conducting with Michael Bray, President, Rapid Scientific, St. Louis. Since January, we have been meeting weekly with Mike on a number of interesting applications of Raman Spectroscopy. A talented engineer, Mike, affords us the opportunity to work with his company which builds and customizes Raman spectrometers and associated software. Mike was educated at Washington University in St. Louis and then spent several years with a SERS-RAMAN research oriented company. He has launched a new research facility for his firm just across the Mississippi River in Illinois located at the River's Edge Enterprise Center. We have at the MiL, a custom built unit of theirs (shown above), with which we are jointly pursuing significant mutual research interests.

- **A Few Remaining Backpacks for Sale**

We have a few backpacks left over from the seminar event scheduled last June. They retail for $65, but on a first come first serve basis, you may purchase them while they last at **$40** We will be having more made with the logos of all the sponsors for the Nov. 17th event which will be given to all paid attendees. If you want one with just the MiL inc. logo, go to our on-line store on our website to purchase it or use the Buy Now button below. We have about 15 remaining --any former employee or intern may contact Dr. Hemming to obtain one.

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