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| **March 22, 2012** |
| Key Organizations from Around the World to Address Challenges and Technology Breakthroughs in Sample Preparation for Pathogen Detection at [5th Sample Prep](http://www.knowledgefoundation.com/viewevents.php?event_id=278&act=evt) Conference in San Diego from May 3-4 |
| **World Leaders to Address Challenges and Technology Breakthroughs in Sample Preparation for Pathogen Detection at 5th Sample Prep Conference in San Diego from May 3-4.**  BOSTON, MA – March 22, 2012 – Leading organizations from around the world will convene in San Diego for the Knowledge Foundation’s 5th Sample Prep conference which will take place at the Hilton Resort & Spa from **May 3-4, 2012**.  **Sample Prep** is an internationally recognized event for experts in sample preparation for detection and identification of viruses, toxins and pathogens. This conference will address the major issues and state-of-the-art in the technologies for real-world sample preparation. Specific topics to be explored when world leaders convene for this high-level symposium include:  • Sample prep with microfluidics  • Sample prep-on-a-chip  • Alternative sample prep technologies for viruses, toxins & pathogens  • Sample prep as separate vs. integrated module approach  • Nanotechnology challenges for sample preparation  • Robust sampling methodologies (automation, high-throughput, combinatorial approach in sample prep)  • Food, water, air, and environmental sampling  • Novel methods of extraction from tough (non-filterable) matrices  • Single use sample concentration modules  • Advanced lateral flow assays for sample prep  • Nucleic acid or protein based sample prep for next generation sequencing  • Sample prep technologies for detection/diagnostics vs. pharma  **Distinguished Speaker Faculty**  -  Raymond P. Mariella, PhD, Lawrence Livermore National Laboratory  - Mark W. Eshoo, PhD, ibis Biosciences, Inc., a subsidiary of Abbott Molecular   - Steven S. Branda, PhD, Sandia National Laboratories  - Michael Pollack, PhD, CTO, Advanced Liquid Logic, Inc.  -Alexis Sauer-Budge, PhD, Fraunhofer  - Stephane Evoy, PhD,University of Alberta, Canada -Rajaram Krishnan, PhD, CEO, Biological Dynamics, Inc.\*  -Joseph Wang, PhD, University California San Diego  - Michael J. Heller, PhD, University of California San Diego - Richard A. Montagna, PhD, Rheonix, Inc.  -Dennis W. Harris, DPhil., IntegenX, Inc.  - Bruce Irvine, Claremont BioSolutions LLC  - James M. Birch, PhD, Monterey Bay Aquarium Research Institute  - Andre Marziali, PhD, Boreal Genomics Inc. & University of British Columbia -Eric R. Rhodes, PhD, U.S. Environmental Protection Agency  - John P. Langmore, PhD, Rubicon Genomics, Inc.  - Stephanie Thatcher, Idaho Technology, Inc. - David S. Alburty, InnovaPrep LLC - James P. Landers, PhD, ZyGEM Corporation University of Virginia\* - Rolf Müller, PhD, Biomatrica, Inc.  -Steve Barrett, President and CEO, DetectGen, Inc., Canada  **About The Knowledge Foundation** The Knowledge Foundation integrates scientific ingenuity and real-world applications by fostering collaborative research at the rapidly changing intersection of science and business. Known for providing members of its Technology Commercialization Alliance with direct and unbiased state-of-the-art scientific information, the Knowledge Foundation is uniquely qualified to provide wider exposure for important developments in the emerging fields of alternative energy, nanotechnology, and chemical & biological detection technologies. |
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