

Peeping into the World of Bacteria: OMICS Group Life Science Conferences

International Congress on Bacteriology and Infectious Diseases, November 20-22, 2013, Baltimore, USA.

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[/EINPresswire.com/](http://EINPresswire.com/) -- The study of bacterial species along with the taxonomic classification and physiological properties is known as bacteriology, and also forms a part of the bigger subject of microbiology. Many of the techniques developed by microbiologists are now used in molecular and cell biology to provide the basis for studying higher organisms.

The various branches of bacteriology which are of significant interest include molecular biology, plant microbiology, general microbiology, plasmids and transposons, and several specialized research areas about varying microbial structures.

In cases of ingestion of pathogenic salmonellae through the gastric acid barrier, there is a very high risk of subsequent disorders. Consequent inflammation and ulceration might be caused as the pathogens invade the intestines and the

mucosal walls to release cytokines that infuse inflammatory reaction, and the bacteria spreading out themselves from intestine result in systemic disease. The mucosal invasion causes epithelial cells to release pro-inflammatory cytokines.

The Bacteriology 2013 meet

[OMICS Group](http://OMICSGroup.com) announces an International Congress on Bacteriology and Infectious Diseases, from 20-22 November 2013 at DoubleTree by Hilton Baltimore-BWI Airport, Baltimore, USA under the theme 'Current concepts and diagnosis in bacteriology'. The bacteriology 2013 meet is one of the awaited events among life sciences conferences, which involve clinical experts and doctors, in addition to health agencies from around the globe who gather on a single platform.

Eminent speakers presenting valuable talks at the event include:

- Mukesh Verma, Epidemiology and Genomics Research Program, National Cancer Institute, NIH, Bethesda, USA
- Gregory A. Buck, Virginia Commonwealth University, USA
- Fernando Villalta, Meharry Medical College, USA
- Richard G. Brennan, Duke University School of Medicine, USA



- Jean Pierre Changeux, Pasteur Institute, France

Major tracks scheduled for the event:

1. Bacterial Pathogenesis, Virulence & Countermeasures
2. News in Bacterial Structure, Morphology & Metabolism
3. Natural Microbial Defenses & Host Immunity
4. Plant-Microbe Symbiosis & Pathology
5. Multi-Pathogen Infections & Post-Infection Sequela
6. Epidemiology, Emerging Infectious Diseases & Public Response Planning
7. Medical Microbiology - From Benchtop to Clinic
8. Animal Modeling and Veterinary Bacteriology
9. Advances in Antimicrobials, Vaccines & Therapeutics
10. Diagnostic Pathology of Infectious Disease
11. Microbial Genomics, Systems Biology and Bioinformatics
12. Industrial and Applied Bacteriology
13. Microbes & Nanotechnology
14. Archaea, Bacteriophage & Marine Microbiology
15. Microbial Forensics
16. Phylogeny and Paleomicrobiology

With the aim of boosting knowledge-sharing and the prospects of greater partner networking and collaboration among clinical and health bodies towards tackling harmful bacteria and its consequent infections and pathogenic effects, the [Bacteriology congress](#) has been positioned as one of the prestigious scientific meets by OMICS Group in 2013.

For more details on Bacteriology-2013 conference, please visit:

<http://www.omicsgroup.com/conferences/bacteriology-infectious-diseases-2013/>

For further details contact

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[Life Science Conferences](#)

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