



rpc

SCIENCE & ENGINEERING

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Bacterial Forensics

Bacteria are everywhere and form an essential part of our environment. From rivers to the ocean, from livestock operations to the kitchen sponge, dynamic bacterial communities exist and help provide stability and balance to all ecosystems.

Many types of bacteria are benign but others can be harmful and cause disease or upset the natural balance within a healthy ecosystem. Still others can confer benefit by remediating toxins, decomposing waste, or preventing colonization by harmful bacteria. Hence, characterization and profiling of bacterial communities can reveal important information about the health of a particular ecosystem.

Furthermore, with the vast majority of bacteria yet to be characterized or discovered, analysis of bacterial communities has the potential to identify beneficial bacteria for use in mining, medicine, food, polymer synthesis, aquaculture, and waste remediation.

Using a range of phenotypic and molecular genetic techniques, our team of microbiologists and molecular biologists can help you identify a particular bacterium or characterize the composition of the bacterial community associated with your sample of interest.

Services

- Bacterial identification
- Microbial community profiling - culturable
- Microbial community profiling - unculturable
- Custom analyses: further characterization of novel bacteria
- Development and screening of novel bacteria for industrial applications in conjunction with our in-house organic chemistry and process & environmental technology departments

Laboratory

- ISO 9001:2000 accredited
- State of the art equipment and software
- 11,000 sq ft laboratory
- Highly trained scientific and technical staff

We Provide...

- Strict client confidentiality
- Individualized reporting
- Sample archiving
- Fast, accurate analyses
- Competitive pricing

Contact

For more information on our bacterial forensic services please contact:

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RPC's quality management system is registered to ISO 9001:2015.

