

A Practitioner's Guide to Using
Molecular Biological Tools (MBTs): What Can These Analyses Tell Me?

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This workshop will provide attendees with an overview of modern molecular biological Tools' (MBTs) theories and applications for the petroleum industry. The course outline is designed to educate regulators and environmental professionals about practical guidelines on how these tools can be applied to real world situations. Additionally, attendees will learn about the various sampling approaches which can be applied to further advance the understanding gained from using MBTs such as Bio-Trap samplers. Tools which will be covered during this workshop include phospholipids fatty acid analysis (PLFA), denaturing gradient gel electrophoresis (DGGE), Real-Time polymerase chain reaction (qPCR) and compound specific isotope analysis (CSIA).