

# BioBriefing™

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**BioBriefing** is a one-day, fast paced brief overview of the biotechnology industry. Participants learn terminology as well as basic biotech concepts.

## **Industry Sectors** 9:00–9:30

Biotechnology Defined

Industry Sectors:

Healthcare, Agriculture, Industrial, Environmental

## **Basic Science Drives Biotech** 9:30–10:45

Biotechnology Goals

The Cell

DNA

*Lab: DNA Isolation*

Genomes

Genetic Variation

*Activity: Genetic Variation of Taste*

Proteins

## **Break** 10:45–11:00

## **Genetic Engineering** 11:00–12:00

Plasmids

Recombinant DNA

Genetically Engineered Cells

Recombinant Proteins (Biologics)

Disease Models

## **Lunch** 12:00–1:00

## **Antibodies: The Key to Biotech** 1:00–2:00

Antibodies Defined

Antibody Production

Antibodies as Research Tools

Antibodies as Diagnostics

Antibodies as Therapeutics

## **Break** 2:00–2:15

## **Drug Discovery & Development** 2:15–3:30

Target Validation

Therapeutic Options

Clinical Trials Quick Overview

## **Biotech In The News** 3:30–4:15

Biosimilars

Personalized Medicine

Companion Diagnostics

Emerging Therapeutics

## **Q&A/Review** 4:15–4:30