40 Years of Biology at the Lab

2000

2000
JGI announces completion of draft sequencing of human chromosomes 5, 16, and 19

2000
Polymorphic proteins of APE1 have varied enzymatic activity

2000
The sequence of the L413C, a Yersinia pestis specified bacteriophage, is obtained

2000
President Clinton announces the completion of the "working draft" human DNA sequence

2000
Work with live, virulent pathogens begins

2000
Biomedical scientists perform suppressive subtractive hybridization to distinguish DNA of various species as part of the Lab's work in signature identification

2000-2002
BASIS

2001
DNA signatures for the detection of Salmonella enteritidis

2001
First DNA microarray (DNA chip) comprising the entire genome of Yersinia pestis is fabricated and used for whole-genome expression studies of this pathogen

2001
DNA signatures for the detection of Yersinia pestis (plague)

2001
Completed the genome of Prochlorococcus marinus MED4

2001
Genomes of Prochlorococcus marinus MIT9313 and Synechococcus sp. WH8102 are completed

2001
Genomics-to-life initiative announced by DOE secretary, Spencer Abraham

2001
A new, compact bio-dedicated

2000 - Associate Director (acting)
Berthold Weinstein, PhD

FY 02 Funding $70M

2002
R&D 100 Award: In Situ Rolling Circle Amplification

2002
Completed the genome of Rhodopseudomonas palustris CGA009

2002
BASIS air monitoring system deployed as part of security for Salt Lake Winter Olympics

2002
DNA signatures for the detection of Bacillus anthracis (anthrax)

2002
The annotated genome sequence of Yersinia psuedotuberculosis, the direct ancestor of Yersinia pestis, is obtained

2002
Completed the genome and annotation of the Yersinia pestis bacteriophage 0A1122

2002
CASP 5 over 20K predictions submitted by participants worldwide

2002
Protein expression in insect cells begins to go high throughput

2003
Human Genome Project completed

2003
Polymorphisms in 40 repair genes identified

2003
IMAGE Consortium has arrayed seven million cDNAs

2003
Completed the genomes of several select agent viruses including Ebola, Marburg, Lassa, Junin, and Machupo

2003
The entire genome of Brucella abortus is obtained

Accelerator Mass Spectrometer comes on line

2001
Adaptive response meets gene expression arrays

2001
R&D 100 Award: Gene Recovery Microdissection

2001
Completed the genome Nitrosomonas europaea ATCC 19718

2003
International celebration of completion of human genome sequence

2003
Completed the genome of Francisella tularensis LVS