The J. Craig Venter Institute (JCVI) is a world leader in genomic research. Our scientists are innovators, creators, disruptors, and trailblazers who are fueled by a passion and drive to undertake and successfully execute large research initiatives.

JCVI at a Glance
- Founded in 1992
- 150 scientists and administrative staff
- Campuses in California and Maryland with 62ksq ft. of lab and office space

Areas of Focus
- Human Health and Performance
- Microbiome
- Environmental Sustainability
- Synthetic Biology
- Infectious Disease

A History Of Breakthroughs
- Sequenced first genome of a free-living organism
- Sequenced first draft human genome
- Discovered more than 80 million genes and thousands of new species during Global Ocean Sampling Expedition
- Conducted first metagenomic analysis of human gut microbiome
- Published first complete human diploid genome
- Constructed first synthetic bacterial cell
- Opened world’s first net zero energy biological laboratory in La Jolla, California
- Designed and constructed first synthetic minimal bacterial cell
- Identified candidate genes for the FDA-approved Novartis/GSK meningitis vaccine, Bexsero
- Sequenced over 17k influenza genomes and developed predictive algorithm for optimal flu vaccine composition
- Published key policy report on DNA synthesis and biosecurity

Sources of Funding
- Federal Government 89%
- Foundations/Philanthropy 7%
- Corporate, State, and International 4%

Who We Are
- Members of the National Academy of Sciences 3
- Member of the National Academy of Medicine 1
- US National Medal of Science recipient 1
- Nobel laureate 6
- Commercial entities spun out of JCVI research 25k
- Publications in top tier, peer reviewed journals
- First LEED platinum certified biological laboratory building

www.jcvi.org

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Hamilton O. Smith, MD,
Emeritus, Nobel Laureate
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