

Harold C. Smith is the founder and CEO of CannaMetrix, LLC. He received a BS and MS from Purdue in Animal Sciences and Veterinary Pharmacology and Physiology. He received a BA and PhD from the State University of New York at Buffalo in Cell and Molecular Biology. His postdoctoral studies at Baylor College of Medicine were on RNA biology. He has been on the faculty of Biochemistry and Biophysics at the University of Rochester, School of Medicine and Dentistry since 1986 and through his ideation, innovative research and problem solving skills has been a key opinion leader in the area of gene editing enzymes, cardiovascular disease, antiviral host defense factors and HIV/AIDS.

He has authored 147 peer-reviewed papers, holds several patents and has received multiple million dollars in federal and foundation research grants, including a Bill and Melinda Gates Foundation individual award.

He is a serial entrepreneur who has raised multiple million dollars in equity investments and has led two licensing deals.

His extensive background in biomedical research and expertise in drug discovery methods has guided CannaMetrix's process of discovery in human health and disease.

In addition, he has 38 years of experience designing University courses designing problem based learning and writing PBL cases. He mentored and trained hundreds of undergraduates, as well as graduate students, postdoctoral fellows, medical students and medical residents.



Dr. Harold C. Smith,
Founder and CEO
(585 697-4251)
hsmithny@gmail.com
<https://cannametrix.org/>

Core Capabilities

- ***Bacterial culture and microbiology***
- ***Controlled substance testing***
- ***CRISPR/RNA and DNA editing***
- ***Drug discovery critical path design & implementation***
- ***Endocannabinoid system***
- ***Enzymology***
- ***Flow cytometry***
- ***Gene expression, construction/expression validation***
- ***Gene transduction/electroporation***
- ***GPCR analysis***
- ***Grant proposal writing***
- ***High throughput assay design and validation***
- ***High throughput screening***
- ***High content screening***
- ***Immunofluorescent cell imaging***
- ***Kinetic analysis***
- ***Manuscript preparation***
- ***Membrane protein analysis***
- ***Molecular cloning***
- ***Nucleic acid isolation***
- ***PAGE and western blotting***
- ***PCR, multiplex PCR, qPCR and RT-PCR***
- ***Potency testing***
- ***Protein and RNA expression***
- ***Protein chimera construction***
- ***Restriction enzyme mapping***
- ***Subcellular localization***
- ***Tissue culture***

Why do business with us?

the company is known for integrity and technical work of the highest order

outgoing staff and personable working interface

experience working with CROs and clients from academia and industry backgrounds

technical staff have a broad range of biomedical and industrial research experience in cell biology, molecular biology and protein structure and function

adaptive problem solvers and innovators

capable of thinking creatively and ideating outside of the box

ability to work with controlled substances in a scheduled lab

reliable and rapid project design and implementation

clear and comprehensive data analysis and final reporting

reasonable pricing

Who are our clients?

cannabis growers, extractors, product formulators, product manufacturers

cannabis plant genetic engineering companies

cannabis dispensaries

state and federal government

clinical trial leaders

academic researchers

Company information

6-year old company

UEI: N2EPQ3K2LQ23

CAGE: 88N3

NAICS codes: 621511