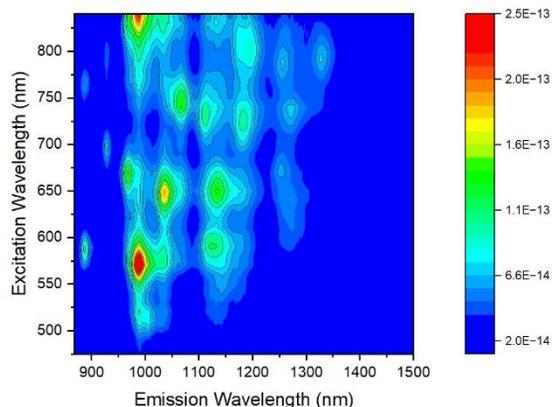


# CAPABILITY STATEMENT



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## Core Competencies

Applied NanoFluorescence, LLC (ANF) manufactures and sells state-of-the-art optical instruments to detect, characterize, and quantify nanomaterials, especially single-walled carbon nanotubes (SWCNT) and other near-infrared fluorophores in bulk samples.

- Rapid excitation-emission scans (excitation 500-850 nm, emission 900-1600 nm)
- Vis-near-IR Absorption
- Raman
- Custom analysis software
- Identifies (n,m) single-walled nanotube species present in a sample
- Option for high-throughput sample module
- Each system can be customized for customer's needs.

## Past Performance

Customers include: FDA, EPA, and NIST

Designed a custom multimode fluorescence-detected circular dichroism instrument through SBIR Phase I/II that resulted in a new product – The NS Super, with over \$750,000 in sales.

## Differentiators

Instruments designed by scientists for scientists!  
Only instruments designed specifically for near-infrared fluorescence of single-walled carbon nanotubes,

## Company Data

ANF was founded in Houston in 2004 by [Professor R. Bruce Weisman](#) of Rice University. Dr. Weisman serves as President with Dr. Sergei M. Bachilo as Chief Scientific Officer. Weisman and Bachilo are internationally recognized as the pioneering researchers who led the discovery and interpretation of fluorescence spectra from single-walled carbon nanotubes. The products offered by Applied NanoFluorescence embody these scientists' deep expertise in spectroscopic instrumentation and analysis

## List of Specific Pertinent Codes and Data

- DUNS: 184353774
- CAGE Code: 4YRQ2
- NAICS 334516 Analytical Laboratory Instruments
  - 6650 Optical instruments, test equipment
  - 6640 Laboratory equipment and supplies
- SBIR Phase I/II Recipient