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**James Brody**

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Associate Professor, [Biomedical Engineering](#)



Inside a Vacuum Chamber

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**Education:**

- M.S., Princeton University, Physics, 1991
- Ph.D., Princeton University, Physics, 1994
- B.S., Massachusetts Institute of Technology, Physics, 1989

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**Research:**

Research in Dr. Brody's laboratory focuses on functional genomics and single molecule protein characterization. Specific research projects include: application of surface plasmon resonance based sensors to quantifying DNA/protein interactions, studies of single proteases and 20 S proteasomes in vitro, and molecular biology and biochemical analysis of a module of genes expressed in breast cancers.

**Keywords:**

[Single molecule dynamics](#), [bioinformatics](#), [functional genomics](#), [surface plasmon resonance](#).

**Links:**

<http://brodylab.eng.uci.edu>  
<http://brodylab.eng.uci.edu/~jpbrody/publications.html>

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