

Interdisciplinary Graduate Program in

DYNAMICAL NEUROSCIENCE

UC Santa Barbara

Dynamical Neuroscience

is an interdisciplinary field focused on the study of how the nervous system generates perception, behavior, and cognition. It is a computational approach that goes beyond traditional structure-function mapping. Its

subdisciplines include molecular and cellular biology,

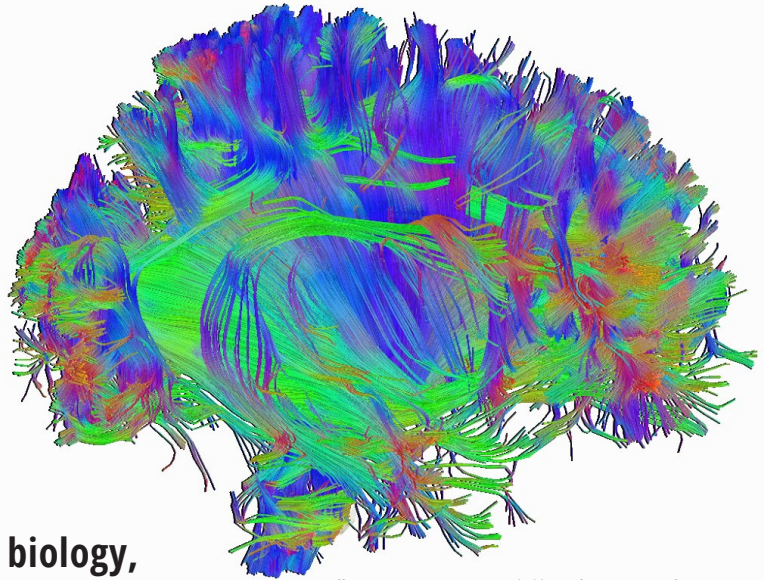
genetics, computer science, neuroscience, artificial

intelligence, nonlinear systems, statistical processes, physics, and aspects of

experimental psychology. If you are majoring in any of the participating departments,

or are interested in doing research in the following subfields, this exciting program

may be right for you.



Diffusion Spectrum Image provided by Professor Scott Grafton, Director UCSB Brain Imaging Center, DYNs faculty member

PARTICIPATING DEPARTMENTS

Psychological & Brain Sciences

Physics

Molecular, Cellular & Developmental Biology

Chemical Engineering

Computer Science

Electrical & Computer Engineering

Mechanical Engineering

RESEACH SUBFIELDS

Computational Neuroscience

Computational Cognitive Neuroscience

Network and Complexity Analyses

Signal Processing & Machine Learning

Computational Vision

Brain-Computer Interface



FOR MORE INFORMATION, PLEASE CONTACT

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