

Contact: Susan Fitzpatrick
Tel: (314) 721-1532
Email: susan @ jsmf. org

McDonnell Foundation Announces New Grants for The 21st Century Science Research Awards

* * *

\$10.4 Million in Grants Continue the Commitment to Founder's Vision

(St. Louis, MO) Officials of the James S. McDonnell Foundation have announced more than \$10.4 million in grants in their ongoing program, the **21st Century Science Initiative**.

Founded in 1950 by the late aerospace pioneer and founder of the McDonnell Douglas Corporation, James S. McDonnell's belief that science and technology gives mankind the power to shape knowledge for the future while improving our lives. "Mr. Mac's" vision continues to be realized through the research these grants are supporting. Since the inception of the program in 2000, more than \$90 million in funding has been awarded.

The 21st Century Science Initiative awards two types of grants in three program areas: *Bridging Brain, Mind and Behavior*, *Brain Cancer Research* and *Studying Complex Systems*.

"Private philanthropy can and should play an important role in supporting the generation of new knowledge and its responsible application", said McDonnell Foundation Vice President, Dr. Susan Fitzpatrick.

The McDonnell Foundation's 2006 21st Century Science Research Awards are:

RESEARCH AWARDS:

In the Area of Bridging Brain, Mind, and Behavior

Columbia University, New York, New York

Principal Investigator: Charles D. Salzman, \$450,000 over three years.
Learning about value in a complex world: neurophysiology and theory

New York University, New York, New York

Principal Investigator: Wendy A. Suzuki, \$450,000 over three years.
A neuroethological approach to memory and cognition in monkeys

Stanford University, Stanford, California

Principal Investigator: Jennifer L. Raymond, \$450,000 over four years.
Computing time in the cerebellum

University of Colorado, Boulder, Colorado

Principal Investigator: Walter Kintsch, \$449,019 over three years.

Approximating meaning: structured statistical semantics

University of Rochester, Rochester, New York

Principal Investigator: Alexandre Pouget, \$449,731 over six years.

Neural basis of Bayesian inference and decision making: theory and experiments

Collaborative Awards: Bridging Brain, Mind & Behavior

Rutgers, The State University of New Jersey, Newark, New Jersey, in support of a collaboration,

Assessing Brain Interactivity: Model Specification, Causality and Dynamics, Principal Investigators:

Stephen J. Hanson and Clark Glymour (Carnegie Mellon University), \$1,213,132 over three years.

University of Wisconsin-Madison, Madison, Wisconsin, Brain work and brain plasticity, Principal

Investigators: Giulio Tononi, and Marcus Raichle (Washington University in St. Louis), \$344,440 over two years.

University of Rochester, Rochester, New York, Program grant to develop near infrared spectroscopy to

assess cognitive development in human infants and young children, Principal Investigators: Richard N.

Aslin and Jacques Mehler (SISSA, Trieste), \$2,000,000 over three years.

Brain, Mind & Behavior Pilot Award:

New York University, New York, New York, Affect, learning and decision making, Principal

Investigators: Elizabeth Phelps and Trevor Robbins (Cambridge University), \$210,000 over one year.

Brain, Mind & Behavior Special Initiative:

University of Oxford, Oxford, United Kingdom, The Autumn School in Cognitive Neuroscience, Principal

Investigator: Edmund T. Rolls, \$250,425 over three years.

Research Awards: Studying Complex Systems

Columbia University Teachers College, New York, New York

Principal Investigator: Peter T. Coleman, \$443,500 over three years.

Intractable conflict as a dynamical system

McGill University, Montreal, Quebec

Principal Investigator: Frédéric Guichard, \$304,500 over four years.

Metacommunity dynamics across scales and the design of marine reserve networks

McMaster University, Hamilton, Canada

Principal Investigator: David Earn, \$450,000 over five years.

Lessons in death: disease dynamics in London since 1592 - current and future significance

Universitat at Pompeu Fabra, Barcelona, Spain

Principal Investigator: Ricard V. Solé, \$450,000 over five years.

Origins of innovation in tinkered networks

University of Texas at Austin, Austin, Texas

Principal Investigator: Lauren Ancel Meyers, \$210,727 over three years.

The evolutionary and epidemiological potential of pathogens

Yale University, New Haven, Connecticut

Principal Investigator: Alison P. Galvani, \$444,902 over four years.

Developing and applying game theoretic human papillomavirus vaccination models with psychological data

Research Awards: Researching Brain Cancer

University of California, Davis, Davis, California

Principal Investigator: Elva D. Diaz, \$360,000 over three years.

Molecular mechanisms of cerebellar granule cell proliferation and medulloblastoma

University of Rochester, Rochester, New York

Principal Investigator: Steven A. Goldman, \$440,688 over four years.

Promoter-based isolation and assessment of differential gene expression by stage-defined glial tumor stem cells

University of Washington, Seattle, Washington

Principal Investigator: Kristin R. Swanson, \$330,970 over three years.

Dynamics of brain tumor growth and invasion

Yale University, New Haven, Connecticut

Principal Investigator: Frank J. Slack, \$430,821 over three years.

MicroRNAs in brain cancer

Brain Cancer Pilot Awards:

Institute of Systems Biology, Seattle, Washington

Principal Investigator: Leroy Hood, \$150,000 over one year.

Secreted molecular fingerprints for glioma diagnosis and a novel approach for *In-Vivo* identification of disease-causing network perturbations

Stanford University, Stanford, California

Principal Investigator: Lawrence D. Recht, \$150,000 over one year.

Characterization of a glioma precursor lesion

###