Terry E. Tullis: Brown

Education: B.A. Carleton College, 1964
M.S. UCLA, 1967
Ph.D. UCLA, 1971

Academic and Scientific Awards:

National Science Foundation Graduate Fellowship, 1964-1968

Alfred P. Sloan Research Fellowship, 1973-1975.

U. S. National Committee for Rock Mechanics Annual Award for 1990 for Outstanding Basic Research in Rock Mechanics for the paper "Roughness and wear during brittle faulting", *J. Geophys. Res.,93,* 15268-15278, by W. L. Power, T. E. Tullis and J. D. Weeks.

Editor's Citation for Excellence in Reviewing, Journal of Geophysical Research, 1998

Academic Appointments:

UCLA, Department of Geology: Acting Instructor, 1969-1970

Brown University, Dept. of Geol. Sci.: Asst. Prof., 1970-1976; Assoc. Prof., 1976-1989; Prof., 1989-

Other Professional Appointments:

Tectonophysics Field Assistant, summer 1964, Shell Development Co.

Research Assistant, 1968-1969, Institute of Geophysics, UCLA

Visiting Fellow, September 1976-January 1977, Australian National University, Research School of Earth Sciences

Geologist, Jan-June 1977, U.S. Geological Survey, Office of Earthquake Studies

Visiting Professor, April-May, 1984, Texas A & M University, Center for Tectonophysics

Visiting Professor, Sept-Oct, 1990, Harvard University, Dept. of Applied Sciences

Geophysicist, Oct-Dec, 1990, U.S. Geological Survey, Office of Earthquakes

Adjunct Professor, 1997-1998, South Dakota School of Mines and Technology, Department of Geology and Geological Engineering

Professional Societies:

American Association for the Advancement of Science

American Geophysical Union

Geological Society of America

International Society for Rock Mechanics

Five publications most relevant to the proposal:

Lorenzetti, E. A. and Tullis, T. E., Geodetic predictions of a strike-slip fault model: implications for intermediate- and short-term earthquake prediction, J. Geophys. Res., 94, 12343-12361, 1989.

Stuart, W.D., and T.E. Tullis, Fault model for preseismic deformation at Parkfield, California, *J. Geophys. Res., 100*, 24079-24099, 1995.

Tullis, T.E., Rock friction and its implications for earthquake prediction examined via models of Parkfield earthquakes, in *Earthquake Prediction: the Scientific Challenge*, ed. by Leon Knopoff, *Proc. Natl. Acad. Sci. USA, 93*, 3803-3810, 1996.

Beeler, N.M., Tullis, T.E., Self-healing slip pulses in dynamic rupture models due to velocity dependent strength, *Bull. Seis. Soc. Am., 86*, 1130-1148, 1996.

Tullis, T.E., Perspective - Deep slip rates on the San Andreas fault, *Science, 285*, 671-672, 1999.

Collaborators in last 48 months:

Joe Andrews, USGS
Nick Beeler, USGS
Mike Blanpied, USGS
David Goldsby, Brown University
Linda Reinen, Pomona College
Valerie Scruggs, California Institute of Technology
William Stuart, USGS
John Weeks, Wavemetrics, Inc.
Connie Worthington, Brown University
Shuqing Zhang, Australian National University

Postdoctoral scholars sponsored over past five years:

Shuqing Zhang, Australian National University
David Goldsby, Brown University

Graduate students advised over past five years:

Linda Reinen, Pomona College
Nick Beeler, USGS
Valerie Scruggs, California Institute of Technology
Ali Lochhead, Japan
Scott Costello, Brown University
Chaoxiao Lu, Brown University
Sarah Zaranek, Brown University

Total number of graduate students and postdoctoral scholars over past 5 years:

7

Thesis advisors:

David T. Griggs, UCLA (deceased)
John M. Christie, UCLA (retired)