David G. Grier

Department of Physics
Center for Soft Matter Research
New York University
4 Washington Place
New York, NY 10003

Voice: (212) 998-3713
Fax: (212) 995-4016

david.grier@nyu.edu
http://physics.nyu.edu/grierlab/

Personal: U. S. citizen. Born October 28, 1962, England. Married to Nancy Pearson; two children, Zoe (age 8) and Zander (age 5).

Education:

1989 Ph.D. Physics, *The University of Michigan*, Ann Arbor, MI.
Pattern Formation Far From Equilibrium in the Electrochemical Deposition of Metals
Advisors: Roy Clarke and Leonard M. Sander

1984 A.B. magna cum laude Physics, *Harvard College*, Cambridge, MA

Honors:

- World Economic Forum Technology Pioneer (2005).
- Scientific American 50 Award (2003).
- R&D 100 Award for the BioRyx™ 200 system (2002).
- The Llewellyn John and Harriet Manchester Quantrell Award, *The University of Chicago* (2000).
- Top 20 Scientists Under 40, *Discover Magazine* (October 2000).
- Conference Chair, Fall Meeting of the Materials Research Society (1999).
- David and Lucile Packard Fellowship for Science and Engineering (1994-1999).
- Project Kaleidoscope Fellowship for Excellence in Science Education (1998-2002).
- Rackham Fellowship, *The University of Michigan* (1988-1989).
- Physical Sciences Fellowship, *The University of Michigan* (1987-1988).
- University Award for Academic Excellence, *The University of Michigan* (1985-1989).
- John Harvard Scholarship, *Harvard College* (1981-1982).
- Harvard College Scholarship, *Harvard College* (1980-1984).

Employment History:

2005-2008 Chair, Department of Physics, *New York University*

2003-2004 Director, Center for Soft Matter Research, *New York University*

2003- Professor of Physics, *New York University*,

2002-2003 Professor of Physics, *The University of Chicago*, James Franck Institute and Institute for Biophysical Dynamics.

1997-2002 Associate Professor of Physics, *The University of Chicago*, James Franck Institute and Institute for Biophysical Dynamics.

1992-1997 Assistant Professor of Physics, *The University of Chicago*, James Franck Institute.

1989-1991 Postdoctoral Fellow, *AT&T Bell Laboratories*, Department of Condensed Matter Physics. Advisor: Cherry A. Murray.

Selected Professional Activities:

Member-at-Large: American Physical Society Topical Group on Statistical and Nonlinear Physics (elected 2005).

Editor: `http://arxiv.org/`: Soft condensed matter physics, disordered systems and neural networks (2004-2008).

International Program Committee: *Complex Light and Optical Forces*, SPIE Symposium (2006-2008)

Founder: Arryx, Inc. (`http://arryx.com/`). Holographic optical trapping systems (2000).

Chair: Scientific Advisory Board, Arryx, Inc. (2000-2007).

Chair: ACS Colloid and Surface Science Symposium (2001).

Director: MRSEC Industrial Outreach (2001-2002).

Director: MRSEC Educational Outreach (1997-2001).

Member: College Council of The University of Chicago (1999-2002).

Chair: NASA SCR and RDR Science Review Panels: PHASE-II (1998, 2000).

Instructor: Les Houches Summer School on Electrostatic Effects in Soft Matter and Biophysics (2000).

Lobbyist: The Science Coalition: Representative to Illinois Congressional Delegation (2000).

Chair: Gordon Research Conference on Condensed Matter Physics (1999).

Guest Editor: MRS Bulletin (October, 1998).

Chair: NASA Science Concept Review Panel: Physics of Colloid in Space (1996).

Organizer: Symposium on Disordered Materials: Fall Meeting MRS (1996).

Former Postdocs: Matthew Pelton (U. Chicago) Sven H. Behrens (BASF) Xiangdong Shi (UBS)

Doctoral Students: (16)

1. Marco Polin (Ph.D. Physics, 2007; postdoc in physics, Cambridge University)
2. Sang-Hyuk Lee (Ph.D. Physics, 2007; postdoc in biophysics, Berkeley)
3. Kosta Ladavac (Ph.D. Physics, 2005; postdoc in physics, Schlumberger/Harvard)
4. Brian Koss (Ph.D. Chemsitry, 2004; postdoc in physics, NRL)
5. Steven Sundbeck (Ph.D. Physics, 2004; postdoc in physics, NRL)
6. Yilong Han (Ph.D. Physics, 2003; Professor of Physics, NU Hong Kong)
7. Jennifer E. Curtis (Ph.D. Physics, 2002; Professor of Physics, Georgia Tech)
8. Pamela T. Korda (Ph.D. Physics, 2002; Arryx, Inc. R&D),
9. Joseph Plewa (Ph.D. Physics, 2001; Arryx, Inc. R&D),
10. Eric R. Dufresne (Ph.D. Physics, 2000; Professor of Physics, Yale),
11. Chorng-Haur Sow (Ph.D. Physics, 1998; Professor of Physics, National University of Singapore),
12. Jessica A. Goldberg (Weiss) (Ph.D. Chemistry, 1997; Unilever R&D),
13. Kristin M. Abkemeier (Ph.D. Physics, 1997; ThoughtWorks, Inc.),
14. Juan K. Lin (Ph.D. Mathematical Physics, 1997; Professor of Statistics, Rutgers),
15. John C. Crocker (Ph.D. Physics, 1996; Professor of Chemical Engineering, U. Penn),
16. Amy E. Larsen (Ph.D. Physics, 1996; Professor of Physics, St. Olaf College).