

George R. Blumenthal
Professor of Astronomy and Astrophysics
Department of Astronomy and Astrophysics

INTERESTS AND EXPERTISE

Cosmology, galaxy formation, high-energy astrophysics

ACADEMIC HISTORY

1971 Ph.D. (Physics) University of California, San Diego
1966 B. S. (Physics) University of Wisconsin

POSITIONS HELD

2006- Interim Chancellor, University of California, Santa Cruz
2003-05 Chair, University of California Academic Senate and Faculty Representative to the Board of Regents.
1983- Professor, University of California, Santa Cruz
1977-83 Associate Professor, University of California, Santa Cruz
1972-77 Assistant Professor of Astronomy and Astrophysics, University of California, Santa Cruz
1971-72 Senior Scientist, American Science and Engineering
1966-71 Graduate Fellow, National Science Foundation
1965-66 Research Assistant, University of Wisconsin

HONORS AND OFFICES

1997-98 Forscheimer Visiting Professor, Hebrew University
1991 Associate of the Harvard College Observatory
1990 Fellow of the Institute for Advanced Studies, Hebrew University
Lady Davis Fellowship at Hebrew University
1966-71 National Science Foundation Graduate Fellowship

EXTERNAL RESEARCH SUPPORT (\$20,000 and over)

2002-05	NASA (co-investigator) "Studying Galaxy Formation and Evolution with New Data, Models, and Methods"	\$316,442
2000-03	National Science Foundation (co-principal investigator) "Cosmology and Particle Physics"	\$125,000

RECENT PUBLICATIONS (selected)

Lensing by Lyman-Limit Systems: Determining the Mass-to-Gas Ratio (Maller, A., Kolatt, T., Bartelmann, M., and Blumenthal, G.). *Astrophysical Journal*, **569**, 72-82, 2002.

Role of a Hot Gas Environment in the Evolution of Galaxies (Burstein, D. and Blumenthal, G.). *Astrophysical Journal (Letters)*, **574**, L17-L20, 2002.

21st Century Astronomy (Hester, J., Burstein, D., Blumenthal, G., Greeley, R., Smith, B., Voss, H., and Wegner, G.), W.W. Norton and Company, New York, 592 pp., 2002.

The Three-Dimensional Power Spectrum Measured from 2MASS (Allgood, B., Blumenthal, G., and Primack, J.). In "Where's the Matter," Proceedings of the Marseille Conference, June 2001. (Astro-ph 0109403)

Galaxy Formations at $z \sim 3$: Constraints From Spatial Clustering (Wechsler, R., Somerville, R., Bullock, J., Kolatt, T., Primack, J., Blumenthal, G., and Dekel, A.), *Astrophysical Journal*, **554**. 85-103, 2001.

Clustering of High Redshift Galaxies: Relating LBGs to Dark Matter Halos (Wechsler, R., Bullock, J., Somerville, R., Kolatt, T., Primack, J., Blumenthal, G., and Dekel, A.) in *Clustering at High Redshift* ASP Conference Series, Volume 3 x 10^8 , A.Mazure and O.LeRevre, eds. ISBN 1-58381-027-7, p.29, 2000.

UNIVERSITY SERVICE

- 2002-03 Member, Executive Budget Committee.
Member, Astronomy Preliminary Exam Committee.
- 2001-03 Member, Systemwide Academic Planning Council.
Member, Campus Communication Council.
Ex Officio member of UCSC Alumni Council.
Member, Awards Committee of UCSC Alumni Council.
Ex Officio Trustee of the UCSC Foundation.
Member, Astronomy Admissions Committee.
Member, WASC Steering Committee.
Member, Provost's Advisory Committee.
- 2000-01 Chair, Astronomy Curriculum Committee.

ACADEMIC SENATE COMMITTEES

- 2002-03 Chair, Academic Council Subcommittee on the National Labs.
Chair, Academic Council Bylaw Task Force.
Chair, Academic Council Reappointment Committee.
Member, Academic Council Master Plan Subcommittee.
Member, Academic Council Racial Privacy Initiative Task Force.
- 2001-03 Chair, Santa Cruz Division of the Academic Senate.
Ex Officio Member Committee on Planning and Budget.
Chair, Senate Advisory Committee.
Member, UC Systemwide Academic Council.
Member, UC Academic Assembly.
- 2001-02 Co-chair, Academic Council Master Plan Subcommittee.

PROFESSIONAL ACTIVITIES (selected)

Consultative or other service to civic, state, or national governmental agencies

- 2000-03 Refereed several proposals for various funding agencies.

PARTICIPATION IN PUBLIC LECTURES OR FORUMS

- 2002-03 Invited address, Chancellor's Fall Convocation.
- 2001-02 Address to UC Regents on Academic Affairs at UCSC.

STUDENTS AND FELLOWS SUPERVISED (lifetime)

Ph.D. Advisees

B. Allgood
J. Wang
C. Bjornsson
D. Holm
D. Farmer
R. Russell

POSTDOCTORAL FELLOWS

K. Wu
T. Kolatt
E. Regos
H. Hodges
D. Seckel

SENIOR THESIS

S. Meredith
H. Hauser
D. Vosky
F. Beck
R. Maffione
J. Doane
T. Feder
G. Kenyon
G. Baker
A. Miller
C. Holmes
M. Sammons
J. Batek
B. Baily