

Curriculum Vitae: **Reba M. Bandyopadhyay, D.Phil.**

Birthdate: 1 August 1972 **Nationality:** U.S.A.
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211 Bryant Space Science Center **Email:** reba@astro.ufl.edu
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EMPLOYMENT

10/05–present: Assistant Scientist

Dept. of Astronomy, University of Florida, Gainesville, FL, USA

9/01–9/05: UK Gemini Telescope Support Astronomer

UK Gemini Support Group, Dept. of Astrophysics, Oxford University, Oxford, UK

11/98–8/01: National Research Council Associateship

X-ray Astronomy Branch, Naval Research Laboratory, Washington, DC, USA

Supervisor: Dr. Kent S. Wood

6/93–9/94: Research Assistant

Dept. of Earth, Atmospheric, & Planetary Sciences, MIT, Cambridge, MA, USA

Supervisor: Professor James L. Elliot

EDUCATION

10/94–11/98: St Anne’s College, Oxford University, Oxford, UK

D.Phil., Astrophysics

Thesis Title “Infrared Observations of X-ray Binaries”

Supervisor: Professor Phil A. Charles

9/89–5/93: Massachusetts Institute of Technology, Cambridge, MA USA

S.B., Physics (Minor, English Literature); Grade Point Average (G.P.A.) 4.60/5.00

Undergraduate Thesis “High Resolution Spectroscopy of Pluto’s Atmosphere”

Supervisor: Professor James L. Elliot

GRANTS OBTAINED

Chandra X-ray Observatory, proposal 09400683 “Investigating the Compact Stellar Remnant Population of the Galactic Center”. PI **R.M. Bandyopadhyay** awarded **\$62,988** for this archival program, duration 1/1/08 - 31/1/10.

NSF grant 0715299. Conference support: ”A Population Explosion: The Nature and Evolution of X-ray Binaries in Diverse Environments”; Oct.28-Nov.2 2007; St.Petersburg, FL. PI **R.M. Bandyopadhyay**. Awarded **\$14,000**, duration 15/06/07 - 14/6/08.

Chandra X-ray Observatory, proposal 7910613 “A Legacy Study of Stellar Life Cycles at the Galactic Center”, Science PI Michael Muno. Co-I **R.M. Bandyopadhyay** awarded **\$12,000**, duration 28/6/06 - 27/6/08.

OBSERVING EXPERIENCE

Telescopes and instruments used include the following:

- Gemini North with the Near-IR Imaging Spectrograph (NIRI) and Altair Adaptive Optics
- Gemini South with the Gemini Near-IR Spectrograph (GNIRS)
- Very Large Telescope (VLT) with the Infrared Spectrometer and Array Camera (ISAAC)
- *Chandra X-ray Observatory* with ACIS
- *Spitzer Space Telescope* with IRS, IRAC, and MIPS
- Magellan (Baade 6.5m) with PANIC
- United Kingdom Infrared Telescope (UKIRT) with WFCAM, CGS4, UFTI, UIST, and IRCAM3
- CTIO 4-m and 1.5m telescopes with ISPI and OSIRIS
- KPNO 4-m with FLAMINGOS
- IRTF 4-m with SpeX
- The USA (Unconventional Stellar Aspect) X-ray timing experiment on the ARGOS satellite.
- YALO (1-m) with ANDI+CCDIR
- Anglo-Australian Telescope (AAT) with the Infrared Imaging Spectrograph (IRIS)
- Lowell Observatory Perkins Telescope with OSIRIS

TEACHING EXPERIENCE

PhD Students Supervised: Andrew Gosling (Oxford); Michelle Edwards (U. Florida); Curtis DeWitt (U. Florida)

- **2004-2005** Supervisor for M.Phys. and B.A. student research projects, Dept. of Physics, Oxford.
- **2004-2005** Lecturer, Physical Sciences, Oxford University Dept. of Continuing Education, Oxford.
- **2003-2005** Tutorial instructor for third-year undergraduate (B.A.) Astrophysics course, Lady Margaret Hall & Dept. of Physics, Oxford.
- **2002-2005** Tutorial instructor for fourth-year undergraduate (M.Phys.) Astrophysics option course, Dept. of Physics, Oxford.
- **1995-1998** Demonstrator, undergraduate Astrophysics course (laboratory experiments involving the Wetton Telescope at Oxford University).
- **1992-1994** Undergraduate teaching assistant, observational astronomy seminar, Dept. of Planetary Sciences, MIT.

COMMUNITY SERVICE & LARGE COLLABORATIONS

UK IR Deep Sky Survey (UKIDSS) Consortium Member (Galactic Plane Survey Group)
Constellation-X Science Panel Member, Accretion Physics in Stellar Systems
Co-Chair of SOC and LOC for “A Population Explosion: The Nature and Evolution of X-ray Binaries in Diverse Environments”, 28 Oct - 2 Nov 2007, St. Pete Beach, FL; editor for Conference Proceedings Volume, AIP Conference Series
Reviewer, *Chandra X-ray Observatory* Cycles 5, 7, and 9 Proposal Peer Review Panels
Reviewer, *Spitzer Space Telescope* Cycle 4 Proposal Peer Review Panel
Reviewer, *Spitzer Space Telescope* Fellowship Review Panel (Year 3)
Reviewer, *RXTE* Cycle 5 Proposal Peer Review Panel
Referee, *The Astrophysical Journal*, *Monthly Notices of the Royal Astronomical Society*, *The Astronomical Journal*
Referee, NOAO/Gemini Telescope proposals and UK PATT Telescopes including UKIRT, AAT, WHT, and INT proposals
Technical Advisor, UK Gemini Time Allocation Committee (2001-2005)

INVITED TALKS

Colloquium, Goddard Space Flight Center, March 1999
Colloquium, University of Oxford, November 2001
Colloquium, Mullard Space Science Laboratory, UK, December 2003
Colloquium, University of Southampton, UK, May 2005
Colloquium, NRAO Socorro, November 2007

SOCIETIES AND AWARDS

Sigma Xi Junior Faculty Award, University of Florida chapter (2007)
Sigma Xi (2007-present)
American Astronomical Society Member (2000-present)
Alan Berman Research Publications Award, NRL Space Science Division (2000)
Overseas Research Scholarship Award, UK (1995-1997)
St. Anne’s College Graduate Scholar Award, UK (1995-1997)
Society of Physics Students, USA (inducted 1992)
Sigma Pi Sigma Physics Honor Society, USA (inducted 1992)
National Honor Society Corporate Scholarship, USA (1989-1993)
National Honor Society, USA (inducted 1988)

COMPUTER SKILLS

Astronomical software: Extensive use of IRAF for both spectroscopy and photometry. Also familiar with FTOOLS, CIAO, FIGARO, TOPCAT, and many other astronomical data manipulation and display packages.

General computing: Extensive experience with UNIX, Linux, and Apple Mac environments. Experience with SunOS/Solaris and Windows platforms. Software/languages: Emacs, LaTeX, HTML, Super-Mongo, Microsoft Office, and OpenOffice.

REFERENCES

Professor Steve Eikenberry
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Professor Phil A. Charles, Director
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