GRANT RUSSELL TREMBLAY

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EXPERIENCE

2017 *to present*	**Astrophysicist** | Smithsonian Astrophysical Observatory (SAO) Lecturer of Astronomy | Harvard University Department *of* Astronomy Lead | *Lynx X-ray Observatory* Science Support Office **Center *for* Astrophysics** | **Harvard & Smithsonian**, Cambridge, MA, USA
2014 *to* 2017	**Einstein Fellow** | Yale Center *for* Astronomy & Astrophysics **Yale University**, New Haven, CT, USA / Funding via NASA
2011 *to* 2014	**ESO Fellow** | Directorate *for* Science **European Southern Observatory** (ESO), Garching bei München, Germany
2011 *to* 2014	**Fellow Astronomer** | Paranal Observatory Science Operations **ESO Paranal Observatory /** Very Large Telescope, Cerro Paranal, Chile
2006 *to* 2008	**Graduate Research Assistant** | Science Mission Office **Space Telescope Science Institute** (STScI), Baltimore, MD, USA

EDUCATION

2008 *to* 2011	**Ph.D. Astrophysics** **Rochester Institute of Technology**, New York, USA Doctoral Thesis advised by Prof. Christopher P. O'Dea and Prof. Stefi A. Baum: "*Feedback Regulated Star Formation in Cool Core Clusters of Galaxies*"
2006 *to* 2008	Visiting Graduate Student (while doing Thesis work at STScI) **Johns Hopkins University**, Maryland, USA
2002 *to* 2006	**B.S. Physics & Astronomy** **University of Rochester**, New York, USA

RESEARCH

Primary Interests	Star formation amid kinetic and radiative feedback from supermassive black holes Galaxy clusters and their central galaxies, the intracluster medium Galaxy formation, evolution, and dynamics Space Policy and mission development (*Lynx X-ray Observatory*, Europa Lander)
Techniques	Highly multiwavelength analysis including X-ray, ultraviolet, optical, and infrared imaging and spectroscopy (*Chandra*, *HST*, *Spitzer*, & *Herschel*), as well as submillimeter and radio interferometry (ALMA and VLA).

Portfolio consists of more than 100 refereed publications (eighteen as first author, including in Nature), three books for the general public, and over $2.2M USD in funding (over $750,000 as P.I.)

START-RELEVANT EXPERIENCE

NASA Committees

Member (2022-2025), **NASA Astrophysics Advisory Committee** (APAC)
A FACA subcommittee of the NASA Advisory Council

Chair of the Executive Committee (2022-2023)
Vice-Chair of the Executive Committee (2020-2021)
X-ray Science Interest Group co-Chair (2020-2023)
NASA Physics of the Cosmos Program Analysis Group (PhysPAG)

Chair of the New Great Observatories Science Analysis Group
A new cross-PAG SAG that will directly interface with START

Major contributing author to the Great Observatories (SAG-10) Report
Led creation of many figures and many pages of text to this influential report

Member of many NASA (and Science Center) Review and Time Allocation Committees (e.g. ROSES/ADAP, FINNESST, multiple *JWST, HST, and Chandra* TACs, etc.)

Space Mission Development

Deputy Lead for SAO | ***Lynx X-ray Observatory*** **NASA Strategic Mission Study**
Head of the *Lynx* Science Office & Core Member of the *Lynx* Study Office | Creator and curator of `www.lynxobservatory.org` | *Lynx* Report Figure Design Lead (created more than 40 Figures for the *Lynx* Report) | Wrote more than 50 pages of the Final Report | Lynx Branding & Graphic Design lead | Spoke and advocated for the mission in Congress, before White House Representatives, before the Astro2020 EOS2 panel, and across dozens of stakeholder presentations.

Core Science Team | *Europa X-ray Instrument for Life Exploration* (EXILE)
An X-ray Silicon Drift Detector for the notional Europa Lander Mission

Community Leadership

Vice President (2022-2025)
Member, Board of Trustees
Board Liaison, CAPP & WGMA Committees
American Astronomical Society (AAS)

Founding member, the **New Great Observatories** community coalition
Creator of `www.greatobservatories.org`

Great Observatories Experience

Successful P.I. Programs with the *James Webb Space Telescope* Cycle 2 (2023); five PI programs with *Chandra* (2015-2023), three with *Hubble* | Co-I on more than thirty programs with most major space-based Telescopes | Member of the *Chandra* Science Operations Team since 2017; played major role in 2020 HRC anomaly recovery including direct commanding of the Observatory | Author of forthcoming book (from Princeton Press) on Great Observatories history.

Student & Postdoc Mentorship

Formal PhD Advisor to Osase Omoruyi (Harvard, expected 2025), Meredith Powell (Yale, 2020) | Research Group lead including two postdocs | Mentorship of more than 20 students since 2011, including undergraduate students of color in Harvard's Banneker Program | Invited Visiting Professor, UNAM (2014)