

GRANT RUSSELL TREMBLAY

ASTROPHYSICIST
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EXPERIENCE

- 2017 *to present* **Astrophysicist** | Smithsonian Astrophysical Observatory (SAO)
Project Scientist, High Resolution Camera | *Chandra X-ray Observatory*
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 submil-
limeter 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.)

ROMAN CCS-RELEVANT EXPERIENCE

<i>NASA Committees</i>	<p>Vice Chair (2022-2025), NASA Astrophysics Advisory Committee (APAC) <i>A FACA subcommittee of the NASA Advisory Council</i></p>
	<p>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)</p>
	<p>Chair of the New Great Observatories Science Analysis Group <i>A new cross-PAG SAG that will directly interface with START</i></p>
	<p>Major contributing author to the Great Observatories (SAG-10) Report <i>Led creation of many figures and many pages of text to this influential report</i></p>
	<p>Member of many NASA (and Science Center) Review and Time Allocation Committees (e.g. ROSES/ADAP, FINNESST, multiple <i>JWST</i>, <i>HST</i>, and <i>Chandra</i> TACs, etc.)</p>
<i>Space Mission Development</i>	<p>Deputy Lead for SAO Lynx X-ray Observatory NASA Strategic Mission Study Head of the <i>Lynx</i> Science Office & Core Member of the <i>Lynx</i> Study Office Creator and curator of www.lynxobservatory.org <i>Lynx</i> Report Figure Design Lead (created more than 40 Figures for the <i>Lynx</i> Report) Wrote more than 50 pages of the Final Report <i>Lynx</i> 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.</p>
	<p>Core Science Team Europa X-ray Instrument for Life Exploration (EXILE) An X-ray Silicon Drift Detector for the notional Europa Lander Mission</p>
<i>Community Leadership</i>	<p>Vice President (2022-2025) Member, Board of Trustees Board Liaison, CAPP & WGMA Committees American Astronomical Society (AAS)</p> <p>Founding member, the New Great Observatories community coalition Creator of www.greatobservatories.org</p>
<i>Great Observatories Experience</i>	<p>Successful P.I. Programs with the <i>James Webb Space Telescope</i> Cycle 2 (2023); five PI programs with <i>Chandra</i> (2015-2023), three with <i>Hubble</i> Co-I on more than thirty programs with most major space-based Telescopes Member of the <i>Chandra</i> 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.</p>
<i>Student & Postdoc Mentorship</i>	<p>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)</p>

