

EXTERNAL
FUNDING AND
AWARDS

PI NASA Astrophysical Theory Program, 14-ATP14-0142, “*Dynamical Chemical Evolution*”, \$388,655

PI, HST Proposal ID 13262, Cycle 21, “*Cosmic HI: a tracer of the physics regulating galaxy formation over a Hubble time*”, Archive Theory Proposal, \$138,398

PI, HST Proposal ID 12841, Cycle 20, “*The Sensitive Side of Galaxy Formation: How sub-L* Galaxies Accrete, Form Stars, and Enrich the IGM*”, Archive Theory Proposal, \$94,598

PI, Old Observatory Workshop “*Leiden Summer CGM-Galaxy Interface Workshop*”, 2000 EUR from NOVA

Co-PI with R. Crain, Lorentz Center Workshop “*The Dynamic Nature of Baryons in Halos*”, 10,000 EUR, plus 4,500 EUR from NOVA, and 1000 EUR each from SRON and ASTRON

~ 80,000 EUR research and travel budget in four years at Leiden as part of VENI and NOVA grants. Spent on computer hardware, travel, visitors, conference organizing, and public outreach.

PI, 9 Leids Kerkhoven-Bosscha Fonds awards totaling 6885 EUR for travel while at Leiden

Co-I, HST Proposal ID 13774, Cycle 22, “*Feeding and feedback: The impact of AGN on the circumgalactic medium*”, 52 COS Orbits, \$113,460 personal funding

Co-I, HST Proposal ID 12854, Cycle 20, “*A COS Legacy Study of Circumgalactic Baryons*”, Archive Proposal, \$50,056 personal funding

Co-I, HST Proposal ID 13444, Cycle 21, “*Constraining the size of intergalactic clouds with QSO pairs*”, 21 COS Orbits, \$11,909 personal funding

Co-I, HST Proposal ID 12860, Cycle 20, “*Detecting Sources of Early IGM Enrichment*”, 15 WFC3 Orbits

Co-I, HST Proposal ID 13033, Cycle 20, “*COS-Halos: New FUV Measurements of Baryons and Metals in the Inner Circumgalactic Medium*”, 14 COS Orbits

Co-I, HST Proposal ID 12643, Cycle 19, “*Probing the Warm-Hot Intergalactic Medium using Weak, Distributed Metal Absorption*”, Archive Proposal

Co-I, HST Proposal ID 12248, Cycle 18, “*How Dwarf Galaxies Got That Way: Mapping Multiphase Gaseous Halos and Galactic Winds Below L**”, 129 COS orbits

Co-I, HST Proposal ID 12264, Cycle 18, “*The Relationship between Gas and Galaxies for $0 < z < 1.2$* ”, 66 COS orbits

Co-I, HST Proposal ID 11598, Cycle 17, “*How Galaxies Acquire their Gas: A Map of Multiphase Accretion and Feedback in Gaseous Galaxy Halos*”, 134 COS orbits

Co-I, HST Proposal ID 11751, Cycle 17, “*Simulations of COS intergalactic HI and metal absorbers*”, Archive Theory Proposal, \$88,900 total funding

Co-I, National Center for Supercomputing Applications, “*Hydrodynamic Simulations of Galaxy Formation including Cosmic-Scale Feedback*”, 420,000 CPU hours on the

Abe Cluster

TEACHING APPOINTMENTS	Co-Instructor, University of Colorado 2014 Designed and taught Astrophysics Graduate Seminar on Dark Matter (Astr6000) with Erica Ellingson. Lecturer, Challenges in Modern Cosmology: Dark Matter and Dark Energy 2014 Three lectures on dark matter simulations at the International Institute of Physics in Natal, Brazil in May, 2014. Graduate Teaching Assistant, University of Arizona 1999 - 2000, 2006 Led honors special project section in introductory astronomy class. Substitute lectured.
CONFERENCE ORGANIZING	SOC Member, <i>“The Impact of Gas Fueling, Quenching, Feedback on the Growth of Galaxies”</i> at Notre Dame, Jan. 2014 Creator and Organizer, “Leiden Summer CGM-Galaxy Interaction Workshop” at Leiden Old Observatory, June 2013 Co-creator and Organizer, “The Dynamic Nature of Baryons in Halos” Lorentz Center Workshop, Aug. 2012
PROFESSIONAL SERVICE & OUTREACH	Referee: ApJ, ApJ Letters, MNRAS, Science HST Cycle 22 Peer Review Panel, June 2014 NSF Allocation Panel P101895, Cosmological Simulations, June 2010 Founder of Old Observatory tours targeting underprivileged school children around Leiden, funded by 3000 EUR of my VENI grant, beginning early 2014 Public Lectures: Leiden University Discovery Talk, November, 2010; Arizona Astronomy Board, 2009
INVITED CONFERENCES TALKS	Intergalactic Interactions, Edinburgh, Scotland, Invited Talk, June 2013 May Symposium, Space Telescope Science Institute, Invited Talk, May 2012 The Cosmic Odyssey of Baryons Conference, Marseilles, Invited Review, June 2011 H-Metal Workshop, El Escorial, Spain, Invited Review, Sept. 2010 Cosmological Reionization Conference, Allahabad, India, Invited Talk, Feb. 2010 Missing Baryons, Accretion, & Feedback, Sydney, Australia, Invited Talk, Dec. 2009
INVITED COLLOQUIA & SEMINARS	University of Denver, Denver, CO, Colloquium, Astronomy Colloquium, Mar. 2013 Columbia University, New York City, NY, Colloquium, Jan. 2013 Rutgers University, New Brunswick, NJ, Seminar, Jan. 2013 New Mexico State University, Las Cruces, NM, Colloquium, Oct. 2012

University of California, Santa Barbara, CA, Astronomy Seminar, Jan. 2012
University of Massachusetts, Amherst, MA, Colloquium, Sept. 2011
Baryon Cycle, Irvine, CA, Talk, June 2012
Institute of Astrophysics, Cambridge, England, Colloquium, May 2011
Monash University, Melbourne, Australia, Colloquium, Apr. 2011
Swinburne University of Technology, Hawthorn, Australia, Colloquium, Mar. 2011
South Africa Astronomical Observatory, South Africa, Colloquium, Oct. 2010
Observatories of the Carnegie Institution, Pasadena, CA, Colloquium, June 2010

OTHER TALKS 2014 Ringberg Workshop on Galaxy Evolution, Ringberg, Germany, Talk, May 2014
Northwestern University, Evanston, IL, Theory Seminar, Oct. 2013
Max Planck Institute for Astronomy, Heidelberg, Germany, Galaxy Coffee, July 2013
Watching Galaxies Grow Up, Ringberg, Germany, Talk, Dec. 2011
University of Colorado, Boulder, CO, Astrophysics Lunch Seminar, Oct. 2011
University of California, Santa Cruz, CA, Flash Talk, Sept. 2011
Galaxy Formation, Durham, England, Talk, July 2011
National Optical Astronomical Observatory, Tucson, AZ, FLASH Talk, Jan. 2011
3rd Netherlands Galaxies and Cosmology Meeting, Groningen, Netherlands, Nov. 2010

Institute d'Astrophysique Paris, Coffee Talk, Apr. 2010
Chemical Enrichment of the IGM, Lorentz Center, The Netherlands, Talk, May 2009
Kavli Institute for Particle Astrophysics and Cosmology, Cosmology Seminar, Oct. 2008
Kavli Institute for Cosmological Physics, Weekly Seminar, Sept. 2008
Cosmic Odyssey of the Elements Conference, Aegina, Greece, Talk, June 2008
Chemodynamics: From First Stars to Local Galaxies, Lyon, France, Talk, July 2006

OTHER **rfpMarket**, Software developer, 2000-2001
EXPERIENCE