

EMILY M. LEVESQUE

emsque@uw.edu

<http://www.emlevesque.com>

EMPLOYMENT & EDUCATION

- 2015-PRESENT** Assistant Professor (University of Washington)
2013-2015 Hubble Postdoctoral Fellow (University of Colorado)
2010-2013 Einstein Postdoctoral Fellow (University of Colorado)
2008-2010 PhD, Astronomy (University of Hawaii)
Thesis: Exploring the Environments of Long-Duration Gamma-Ray Bursts
2006-2008 MS, Astronomy (University of Hawaii)
2002-2006 SB, Physics (MIT)

SELECTED PRIZES AND AWARDS

- 2019-2022** Cottrell Scholar, Research Corporation for Scientific Advancement
2019 Gold Medal of Honorary Patronage, Trinity College University Philosophical Society
2018 Kavli Fellow, National Academy of Sciences
2017-2019 Alfred P. Sloan Research Fellow in Physics
2015-2016 Scialog Fellow, Research Corporation for Scientific Advancement
2014 Annie Jump Cannon Award, American Astronomical Society
2012 Robert J. Trumpler Award, Astronomical Society of the Pacific
2009 Achievement Rewards for College Scientists Scholar of the Year, University of Hawaii
2008 Smithsonian Astrophysical Observatory Predoctoral Fellowship, Harvard University
2008 Ford Foundation Predoctoral Fellowship
2006 Alan H. Barrett Prize in Astrophysics, MIT
2006 Joel Matthew Orloff Research Award for most outstanding senior thesis, MIT

SELECTED RESEARCH GRANTS

- 2019-2022** Hubble Space Telescope GO-15877 (*co-PI*)
A Complete Inventory of the Fireworks Galaxy's O-Type Stars
2019-2022 Cottrell Scholar Award (*PI*)
New Perspectives on Dying Stars
2019-2020 SOFIA Cycle 7(*PI*)
Infrared Spectroscopy of Red Supergiants: Building a Multi- Wavelength Library for Supernova Progenitors
2018-2021 Hubble Space Telescope GO-15314 (*co-PI*)
High Fidelity Imaging of a Red Supergiant's Circumstellar Material
2017-2020 NSF Astronomy and Astrophysics Grant (*PI*)
New Frontiers in Stellar Astrophysics: Massive Stars as Cosmological Tools
2017-2019 Alfred P. Sloan Fellowship (*PI*)
2017-2018 Royalty Research Fund (*PI*)
The Weirdest Stars in the Universe: Multi-Messenger Studies of Thorne-Zytkow Objects
2016-2020 WFIRST Science Investigation Team (*co-I*)
Resolving the Milky Way with WFIRST
2015-2018 Hubble Space Telescope GO-14102 (*co-I*)
The II Zw 40 Supernebula: 30 Doradus on Steroids
2013-2015 Hubble Space Telescope GO-13481 (*PI*)
Calibrating Multi-Wavelength Metallicity Diagnostics for Star-Forming Galaxies

TEACHING EXPERIENCE

CURRENT	ASTR 101B - Astronomy ASTR 322 - The Contents Of Our Galaxy ASTR 531 - Stellar Interiors and Evolution
PREVIOUS	ASTR 6000 - Seminar in Astrophysics - Supernovae (2013, U. Colorado) Co-lecturer ASTR 5700 - Stellar Structure and Evolution (2012, U. Colorado) Recitation Instructor, ASTR 5120 - Radiative & Dynamical Processes (2011, U. Colorado)

ADVISING EXPERIENCE

CURRENT	Trevor Dorn-Wallenstein, Kathryn Neugent (graduate) Brooke Dicenszo, Keyan Gootkin, Megan Kokoris (undergraduate)
FORMER	Jamie Lomax (postdoctoral researcher); Kolby Weisenburger (graduate); Nathen Nguyen, Locke Patton, Mallory Thorp, Aislynn Wallach (undergraduate); Erika Zetterlund (Colorado, graduate); Jack Hallowell, Jeffrey Jennings, John Noonan, Rebecca Phillipson, Rachel Plesha, Brandon Poulliot, Allyssa Riley, Michelle Villeneuve (Colorado, undergraduate)

RECENT TELESCOPE TIME AS PI/LEAD

TELESCOPE	INSTRUMENTS	ALLOCATION	TAC	DATES
HUBBLE	<i>WFC3, ACS</i>	42 orbits	Hubble	2019-2020
	<i>STIS</i>	8 orbits	Hubble	2018
	<i>COS</i>	31 orbits (SNAP)	Hubble	2013-2014
SOFIA	<i>FORCAST</i>	12 hours	SOFIA	2019-2020
KECK	<i>LRIS, NIRSPEC</i>	10 nights	Hawaii	2008-2013
GEMINI	<i>GMOS</i>	4 nights (classical)	NOAO	2011, 2016
	<i>GMOS, Flamingos2, GPI</i>	24 hours (queue)	NOAO	2016-2019
VLT	<i>Xshooter</i>	1 hour (queue)	ESO	2016
SUBARU	<i>MOIRCS</i>	4 nights	Hawaii	2008-2009
MAGELLAN	<i>IMACS</i>	6 nights	NOAO, Harvard	2008-2010
	<i>MIKE, MagE</i>	2.5 nights	Steward	2011
APO 3.5M	<i>TSpec, ARCTIC, NICFPS</i>	10 half-nights	Washington	2016-2018
	<i>DIS, ARCES</i>	16 half-nights	Colorado	2011-2015

RECENT COMMITTEES AND SERVICE

MEETING ORGANIZING COMMITTEES

2020	SOC, <i>IAU Massive Stars Symposium</i> , IRE
2019	SOC, <i>STScI Spring Symposium: The Deaths and Afterlives of Stars</i> , Baltimore, MD
2016	SOC, <i>Supernovae through the ages</i> , Easter Island, CL
2016	SOC, <i>Mini-Workshop on the SLSN/GRB Connection</i> , Baltimore, MD
2015	SOC, <i>IAU GA FM 10: Stellar explosions in an ever-changing environment</i> , Honolulu, HI
2015	SOC, <i>Understanding Nebular Emission in High Redshift Galaxies</i> , Pasadena, CA
2014	SOC, <i>IAU 307: New Windows on Massive Stars</i> , Geneva, CH
2013	SOC, <i>Massive Stars: Alpha to Omega</i> , Rhodes, GR
2012	Chair , SOC, <i>The Evolution of Massive Stars and Progenitors of GRBs</i> , Aspen, CO

OTHER NATIONAL/INTERNATIONAL SERVICE

		REFeree
2017-2021	AAS Publications Committee	
2018	AAS/SAO <i>Space on the Hill</i> speaker and lobbyist	<i>Astrophysical Journal</i>
2018	HST Transient/LIGO Follow-Up working group	<i>Astrophysical Journal Letters</i>
2018	AAS Recruitment & Admissions working group	<i>Astronomical Journal</i>
2016-2017	AAS Governance Task Force	<i>Monthly Notices of the RAS</i>
2014-2017	AAS Committee on Employment	<i>Astronomy & Astrophysics</i>
2013	AAS Communicating With Washington representative	<i>Advances in Space Research</i>

DEPARTMENT/UNIVERSITY OF WASHINGTON SERVICE

2019	qual committee (Meredith Durbin, astronomy)
2019	panelist, UW Marketing & Communications Roundtable Social Media Panel
2019	general exam/thesis committee (Mario Alejandro Torres, music)
2019	general exam/thesis committee (Bryce Fore, physics)
2017	panelist, UW Holistic Admissions: A Workshop for Faculty and Departmental Admissions
2017	panelist, UW Set Up for Success in Academic Careers: Workshop on Early Career Funding
2017-2019	chair , graduate admissions committee
2015-2017	graduate admissions committee
2015-2017	APO 3.5m spectrograph committee
2017	general exam/thesis committee (Nell Byler, astronomy)
2016	general exam/thesis committee (Kristen Garofali, astronomy)
2016	thesis committee (Ermal Rrapaj, physics)
2015	thesis committee (Ben Krueger, physics)

SELECTED PUBLIC LECTURES/ INTERVIEWS

2019	Public Lecture	Theodor Jacobsen Observatory (Seattle, WA)
2019	Invited Speaker	Rose City Astronomers (Portland, OR)
2016, 19	Public Lectures	Astronomy On Tap (Seattle, WA)
2018	Keynote Speaker	University of Washington Parents' Weekend
2018, 19	Radio interviews	NPR/KUOW's The Record (2018 , 2019)
2018	Radio interview	NPR's All Things Considered (link)
2018	Television interview	TVO's <i>The Agenda</i> with Steve Paikin (Toronto, ON) (link)
2018	Invited Speaker	Perimeter Institute Public Lecture (Waterloo, ON) (link)
2012-18	Live Planetarium Shows	Fiske Planetarium (Boulder, CO)
2017	Keynote Speaker	Solar Eclipse 2017 (Grand Teton, WY)
2017	Radio interview	Radio Live Newshub (MediaWorks New Zealand) (link)
2017	Invited Panelist	<i>Hidden Figures</i> screening and STEM panel (New York, NY)
2016	Invited Speaker	"TIMTalk", MIT Class of 2006 10th reunion (Cambridge, MA)
2015	Public Lecture	Denver Astronomical Society (Denver, CO)
2015	Public Lecture	STScI Public Lecture Series (Baltimore, MD) (watch)
2015	Public Lecture	Longmont Astronomical Society (Longmont, CO)
2014	Radio interview	Quirks and Quarks (Canadian Broadcasting Co.) (listen)
2014	Radio interview	How On Earth (KGNU Community Radio) (listen)

SELECTED RESEARCH PRESENTATIONS

INVITED COLLOQUIA/SEMINARS

2019	Princeton University	2014	Michigan State University
2019	SOFIA Science Center/NASA Ames	2014	Southwest Research Institute
2019	CIERA/Northwestern	2014	Columbia University
2019	Harvard University	2014	NASA Goddard Space Flight Center
2019	University of Auckland	2014	Virtual Institute of Astroparticle Phys
2019	University of California Santa Barbara	2014	University of California Santa Cruz
2018	University of Hawaii	2013	Lowell Observatory
2018	University of Texas Austin	2013	University of Toronto
2018	Texas A&M University	2013	Ohio State University
2018	Perimeter Institute	2013	California Institute of Technology
2018	Seattle Art Institute	2013	Massachusetts Institute of
2017	Ohio State University		Technology
2017	Washington State University	2013	San Francisco State University
2017	Eastern Washington University	2012	Space Telescope Science Institute
2017	NASA Goddard Space Flight Center	2012	New York University
2016	Lowell Observatory	2012	Harvard University
2016	Arizona State University	2012	Lowell Observatory
2016	Oregon State University	2012	Denver University
2016	NRC Herzberg	2012	Arizona State University
2015	NRAO Charlottesville	2012	University of Colorado at Boulder
2015	University of California Los Angeles	2011	University of Wyoming
2015	Texas A&M University Commerce	2011	Oxford University
2015	University of Hawaii	2011	Geneva Observatory
2015	University of California Berkeley	2011	University of Washington
2015	Columbia University	2010	University of Colorado at Boulder
2015	Princeton University	2009	Space Telescope Science Institute
2015	University of Washington	2009	St. Mary's University
2015	University of Chicago	2008	Oxford University
2014	University of Michigan	2008	Geneva Observatory

MEETINGS

2019	Invited talk	<i>European Week of Astronomy and Space Science 2019</i> (Lyon, FR)
2019	Contributed talk	<i>The Deaths and Afterlives of Stars</i> (Baltimore, MD)
2019	Invited talk	<i>APS Conference for Undergraduate Women in Physics</i> (Seattle, WA)
2019	Invited Panelist	<i>233rd AAS, Holistic Admissions</i> (Seattle, WA)
2019	Invited Speaker	<i>233rd AAS, Education and Public Outreach speaker</i> (Seattle, WA)
2018	Contributed talk	<i>Massive Stars and Supernovae</i> (Bariloche, AR)
2018	Invited presenter	<i>National Academy of Sciences: Kavli Frontiers of Science</i> (Nanjing, CN)
2018	Contributed talk	<i>6th GMT Science Meeting: Stars: Birth and Death</i> (Honolulu, HI)
2018	Invited talk	<i>Frontiers of the Physics of Massive Stars</i> (Ensenada, MX)
2018	Invited speaker	<i>AAS/SAO Space on the Hill briefing</i> (Washington DC)
2017	Invited talk	<i>Women Leaders in Science, Technology, & Engineering</i> (Kuwait City, KW)
2016	Closing summary	<i>IAU 329: The lives and death-throes of massive stars</i> (Auckland, NZ)
2016	Closing summary	<i>Supernovae through the ages</i> (Easter Island, CL)
2016	Invited talk	<i>Workshop on the SLSN/GRB Connection</i> (Baltimore, MD)
2015	Invited review	<i>IAU XXIX GA, Division G meeting</i> (Honolulu, HI)
2015	Invited talk	<i>IAU XXIX GA, Focus Meeting 10</i> (Honolulu, HI)
2015	Invited talk	<i>Understanding Nebular Emission in High Redshift Galaxies</i> (Pasadena, CA)

2015	Plenary talk	<i>225th AAS, Cannon Award Lecture</i> (Seattle, WA) (watch)
2014	Contributed talk	<i>Swift: 10 Years of Discovery</i> (Rome, IT)
2014	Invited talk	<i>2nd GMT Science Meeting on Time-Domain Astrophysics</i> (Washington, DC)
2014	Closing summary	<i>SNe in the Local Universe: 10,000 Days of SN 1987A</i> (Coffs Harbour, AUS)
2014	Contributed talk	<i>IAU 307: New Windows on Massive Stars</i> (Geneva, CH)
2014	Contributed talk	<i>223rd AAS, Session #113</i> (National Harbor, MD)
2013	Contributed talks	<i>221st AAS, Session #414</i> (Long Beach, CA)
2012	Invited review	<i>Betelgeuse Workshop 2012: The Physics of Red Supergiants</i> (Paris, FR)
2012	Contributed talk	<i>IAU XXVIII GA (Special Session #8)</i> (Beijing, CN)
2012	Invited review	<i>Gamma-Ray Bursts 2012</i> (Munich, DE)
2012	Invited talk	<i>IAU 279: Death of Massive Stars: Supernovae and GRBs</i> (Nikko, JAP)
2012	Contributed talk	<i>219th AAS, Session #310</i> (Austin, TX)
2011	Invited talk	<i>The Future of Astronomy: Fellows at the Frontiers of Science</i> (Evanston, IL)
2011	Invited talk	<i>Supernovae and their Host Galaxies</i> (Sydney, AUS)
2010	Contributed talk	<i>Gamma-Ray Bursts 2010</i> (Annapolis, MD)
2010	Dissertation talk	<i>215th AAS, Session #368</i> (Washington, DC)
2009	Contributed talk	<i>The Shocking Universe</i> (Venice, IT)
2009	Contributed talk	<i>Galaxy Metabolism</i> (Sydney, AUS)
2009	Contributed talk	<i>Intermediate Mass Stars to Massive Stars</i> (Strasbourg, FR)
2008	Invited review	<i>Hot and Cool: Bridging Gaps in Massive Star Formation</i> (Pasadena, CA)
2008	Invited review	<i>Hot Massive Stars: A Lifetime of Influence</i> (Flagstaff, AZ)
2008	Contributed talk	<i>IAU 255: Low-Metallicity Star Formation</i> (Rapallo, IT)
2007	Contributed talk	<i>IAU 250: Massive Stars as Cosmic Engines</i> (Kauai, HI)
2007	Keynote talk	<i>The Biggest, Baddest, Coolest Stars</i> (Johnson City, TN)
2007	Invited talk	<i>210th AAS, Special Session #40</i> (Honolulu, HI)