



# DANIELLE BERG

## ASSISTANT PROFESSOR

The University of Texas at Austin  
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### Research Expertise

Bridging the local and high-redshift universe through chemical and stellar evolution of star-forming galaxies, using X-ray, UV, optical, and IR spectra. Observations probe the feedback between ionizing stellar populations and their surroundings by measuring the properties of metal-poor massive stars, high-mass X-ray binaries, resonantly scattered emission, galactic-scale feedback, interstellar medium absorption, and nebular emission.

### Summary

#### Highlights of UT Faculty Position (2020 – present; unless noted otherwise):

**Funding:** \$2,137,036 in external awards

**Papers:** **H-index: 29** | **2500+** total citations | **12** 1<sup>st</sup> author papers

**3** 1<sup>st</sup> author papers w/**100+** citations | **57** co-author papers

**6** decadal white papers | **1** inclusive design white paper (in prep.)

**Invited talks:** **33** total: **16** international (**12** in past 5 years) | **5** review talks

#### Leadership & Service:

- **Project management: PI of The COS Legacy Archive Spectroscopic Survey:**

Lead of HST large treasury program (**135** new + **177** archival orbits) w/an international team of 45 experts to build a far-UV atlas of 45 star-forming galaxies & deliver high-level data products to the community.

- **Co-I of the NASA Ultraviolet Explorer (UVEX):**

Team lead of Objective 2 of the Low-Mass, Low-Metallicity Frontier pillar of UVEX -- a NASA medium-class explorer.

- **Co-Organizer of 2023 Beyond Astronomy Conference: UV Galaxies:**

Co-designed+organized conference with a holistic approach to improving the field by simultaneously focusing on science, personal networking & interactions (e.g., via affinity groups), and social justice issues.

- **Leadership for the NASA Diffuse Gas in Cosmic Ecosystems (DGCE) Science Interest Group (SIG):**

Leadership team member of the DGCE SIG, which is part of the NASA Cosmic Origins Program Analysis Group (COPAG).

- **Chair of IAU 2022 General Assembly Focus Meeting 4:**

UV Insights to Massive Stars and Young Stellar Clusters

- **Chair of Galaxies Panel** | Cycle 29 HST Time Allocation Committee

**Advising:** **7** undergrad. students, **7** graduate students, **4** postdocs, **9** women; principal advisor of 3 student-led papers and 3 advisee-led proposals

#### Observing experience:

- **Space-based:** X-ray+UV+Opt+IR: Chandra, HST, & JWST telescopes.

- **Ground-based:** Opt+IR: Very Large Array, Green Bank Telescope, Very Large Telescope, Palomar Telescope, Large Binocular Telescope, Keck, Gemini South; including **600+** hours of on-site spectroscopy & photometry.

**Teaching:** **8** undergraduate-level course preps (since 2013); designed astrophysics project course for majors and general critical thinking course. **1** graduate-level course prep.

## Academic Appointments

- 2020-Present **The University of Texas at Austin** · Assistant Professor  
2018-2020 **The Ohio State University** · CCAPP Fellow  
Mentor: Richard W. Pogge  
2014-2017 **University of Wisconsin Milwaukee** · Postdoctoral Research Associate  
Advisor: Dawn K. Erb  
2013-2014 **Gustavus Adolphus College** · Visiting Professor of Physics

## Education

- July 2013 **University of Minnesota** | Ph.D. Astrophysics  
Thesis: "True Chemical Abundances of Galaxies in the Nearby Universe"  
Advisor: Evan D. Skillman  
June 2008 **Gustavus Adolphus College** | B.A. Physics, B.A. Mathematics

## Funded Observing Programs

**Summary Total External Funding Awarded (to UT): \$1,494,659**

**PI Awards Total PI program funding (to UT): \$940,764**

- |      |  |   |
|------|--|---|
| 2023 | <b>Hubble Space Telescope Proposal 17494   COS</b><br>Resolving the Abundance Discrepancy Problem with HST/COS   | <b>\$64,586   20 orbits</b>                                 |
|      | <b>Hubble Space Telescope Proposal 17430   COS</b><br>Pulling Back the Curtain Veiling Extreme UV Galaxies: Revealing the Mysterious Sources of Hell Emission  | <b>\$77,319   25 orbits</b>                                 |
| 2022 | <b>Hubble Space Telescope Proposal 17102   COS</b><br>Anchoring CNO with Extremely Metal Deficient Galaxies  | <b>\$116,829   16 orbits</b>                                |
| 2021 | <b>Hubble Space Telescope Proposal 16643   COS</b><br>Mapping the Escape of Ionizing Photons Across the Full Ionizing Continuum Using High-Resolution Ly $\alpha$ & CIV Observations.<br>Co-PI: Simon Gazagnes | <b>\$236,509   34 orbits</b>                                |
| 2020 | <b>Hubble Space Telescope Proposal 15840   COS</b><br>The COS Legacy Archive Spectroscopic SurveY (CLASSY):<br>A UV Treasury of Star-Forming Galaxies   312 total orbits (135 new + 177 archival)              | <b>\$1,296,028   135 orbits</b><br><b>(\$338,904 to UT)</b> |
|      | <b>Hubble Space Telescope Proposal 15465   COS</b><br>Resolving Extreme High-Ionization UV Emission-Line Diagnostics in Prep for JWST  | <b>\$10,298   10 orbits</b>                                 |

<b>Hubble Space Telescope Proposal 15422   COS</b> Anchoring C/O With An Extremely Metal Deficient Galaxy	<b>\$16,440   3 orbits</b>
<b>Hubble Space Telescope Proposal 15126   COS</b> Resolving the Abundance Discrepancy with HST/COS	<b>\$49,249   13 orbits</b>
<b>Hubble Space Telescope Proposal 14628   COS</b> The Evolution of C/O in Low Metallicity Dwarf Galaxies	<b>\$30,630   20 orbits</b>

Co-I Awards **Co-I Funding: \$553,895** (Grant funds managed by Berg)

2023 <b>James Webb Space Telescope Proposal 4278   MIRI</b> Tracing Molecular Gas in Nearby Metal-Poor Systems: The Keys to Unlocking Star-Formation in the Early Universe (PI Mingozi)	<b>\$24,022   24 hrs</b>
<b>James Webb Space Telescope Proposal 4297   MIRI</b> The Novel MIR Abundance Diagnostic Ne23 (PI Rogers)	<b>\$24,022   23 hrs</b>
<b>James Webb Space Telescope Prop. 3290   NIRSpec</b> A Complete Spectroscopic Census of the Faintest Galaxies & AGN at the Dawn of Galaxy Formation (PIs Scarlatta & Hayes)	<b>\$70,372   49 hrs</b>
<b>James Webb Space Telescope Prop. 3293   NIRCam</b> JWST's GLIMPSE: Gravitational Lensing & Imaging to Probe Early galaxy Formation & Sources of Reionization (PIs Chisholm & Atek)	<b>\$123,686   148 hrs</b>
2022 <b>Hubble Space Telescope Proposal 17106   COS</b> A Novel View of Local Star-Forming Galaxies with COS (PI: Leitherer)	<b>\$55,882   42 orbits</b>
<b>Hubble Space Telescope Proposal 17125   COS</b> Sharpening our High-Z Toolset: Spatially Resolving UV Emission Line Diagnostics Throughout Pristine Gas (PI: James)	<b>\$35,141   37 orbits</b>
2021 <b>Hubble Space Telescope Proposal 16767   COS</b> A Family Portrait of O Stars in the Extremely Metal-Poor Galaxy Sextans A (PI Telford)	<b>\$25,218   32 orbits</b>
<b>Hubble Space Telescope Proposal 16692   COS</b> [CII], A High-z Diagnostic Diamond in the Rough (PI James)	<b>\$14,971   12 orbits</b>
<b>Hubble Space Telescope Proposal 16763   COS</b> Tracking Down the Origin of UV Photons in Local High-z Analogues with FUV Emission Line Imaging (PI Mingozi)	<b>\$20,787   32 orbits</b>
<b>Hubble Space Telescope Proposal 16677   COS</b> Massive Stellar Populations at Reionization Metallicities: Anchoring Stellar Population Models for the JWST Era (PI Stark)	<b>\$11,160   54 orbits</b>
<b>Hubble Space Telescope Proposal 16697   COS</b> Establishing the C/O Gas-Phase Abundance Scale: A Critical Need for Galaxy Evolution Studies from z=0 Into the Epoch of Reionization (PI Sanders)	<b>\$5,579   18 orbits</b>
<b>James Webb Space Telescope Proposal 1701   MIRI</b> Dissecting the Prototypical Starbursts NGC 253 and M82 and Their Cool Galactic Winds (PI Bolatto)	<b>\$22,783   42.8 hrs</b>

**James Webb Space Telescope Prop. 2079 | NIRSpec**

The Webb Deep Extragalactic Exploratory Public (WDEEP) Survey: Feedback in Low-Mass Galaxies from Cosmic Dawn to Dusk (PI Finkelstein)

**\$116,421 | 121.7 hrs**

**James Webb Space Telescope Proposal 2424 | MIRI**

Revealing the Ionizing Spectrum of Low-Metallicity Galaxies with MIRI (PI Jaskot)

**\$53,851 | 24.5 hrs**

2020 **Hubble Space Telescope Proposal 16048 | WFC3**

Extremely Metal-Poor Galaxies: Understanding the Boundaries of Galaxy Evolution (PI McQuinn)

**\$8,541 | 13 orbits**

**Hubble Space Telescope Proposal 15941 | COS**

UV Emission Line Spectra of  $z \sim 0.3-0.4$  Lyman Continuum Emitters: A Key Reference to Uncover the Sources of Cosmic Reionization (PI Schaerer)

**\$21,014 | 18 orbits**

**Additional  
Obs. Programs (Not including internal institutional proposals)**

PI Programs

2021 **Green Bank Telescope 21B-216**

How do LyC Photons Escape From Galaxies that Reionized the Universe?

**32 hours**

2020 **Green Bank Telescope Director's Discretionary Time**

HI in Reionization-Era Analogs: Finding the Paths of Ionizing Photon Escape

**4 hours**

Co-I Programs

2024 **NRAO VLA Telescope Proposal 24B-394**

Hunting for Black Holes in Low-Mass Star-Forming Galaxies (PI: Jurlin)

**18.5 hours**

**NRAO VLA Telescope Proposal 24B-443**

Deep Radio Continuum Observations of Abel S1063 (PI: Jurlin)

**10.5 hours**

- 2023 **ALMA Proposal 2023.1.01290.S** **19.4 hours**  
CLASSY&CO: Revealing the Molecular Gas Fueling Metal-Poor Star-Forming High-z  
Analogues in the Local Universe (PI: Mingozzi)
- 2022 **Hubble Space Telescope Proposal 17198 | COS** **7 orbits**  
First Look at High-Ionization UV Nebular Emission Powered by the Youngest Stellar  
Populations Below 5% Solar Metallicity: The Missing Link to the Reionization Era?  
(PI: Senchyna)
- Hubble Space Telescope Proposal 17042 | COS** **Archival**  
Are Galactic Outflows Seen in Absorption+Emission Lines Tracing the Same Gas? (PI:  
Xu)
- 2021 **Hubble Space Telescope Proposal 17169 | COS** **34 orbits**  
Revealing the Link Between Strong LyC Emitters and Enigmatic CIV Emitters (PI:  
Schaerer)
- James Webb Space Telescope Proposal 1914 | NIRSpec** **63.8 hrs**  
The AURORA Survey: First Direct Metallicity Calibrations at High Redshift (PI Shapley)
- 2020 **James Webb Space Telescope Proposal 1871 | NIRSpec** **22.2 hrs**  
The First Observations of the Ionizing Luminosity of Galaxies within the Epoch of  
Reionization (PI Chisholm)
- NASA Keck Proposal 66/2020B\_N194 | KCWI** **1 night**  
Constraining the Stellar Astrophysics that Powered Cosmic Reionization with KCWI (PI  
Chisholm)
- Hubble Space Telescope Proposal 16464 | WFC3** **15 orbits**  
Mapping the Porous Neutral Gas Reservoirs in an Extremely High Ion. Galaxy (PI  
Chisholm)
- Hubble Space Telescope Proposal 16209 | ACS** **17 orbits**  
Highly Ionized Gas in Extreme Starburst Galaxies: High Resolution H $\alpha$  and (the first) CIV  
Emission Imaging (PI Hayes)
- Hubble Space Telescope Proposal 16144 | WFC3** **Archival**  
A Census of Metals in Low-Mass Galaxies: Quantifying the Metal Retention as a  
Function of Mass (PI McQuinn)

## **Talks & Presentations**

### **Recent Invitations**

- 2024 **34. STScI Spring Symposium: Recipes to Regular Star Formation at All Scales**  
[Review Talk: "The Relationship Between Star Formation and Chemical Evolution"](#)  
Space Telescope Science Institute
- 33. Astronomy Colloquium**  
"TBD"  
University of Maryland
- 32. Astronomy Colloquium**  
"TBD"  
NASA Goddard

- 31. Where The Sea Meets The Stars Wolfe Symposium**  
"Tracing the CGM with Resonant Lines"  
University of California, San Diego
- 30. The Chronology of the Very Early Universe According to JWST: The First Billion Years Breakthrough Workshop**  
International Space Science Institute, Bern, Switzerland
- 29. The Growth of Galaxies in the Early Universe IXI: The Physics of Galaxies**  
"Extreme Emission Line Galaxies with JWST"  
Sexten Center of Astrophysics, Sexten, Italy
- 28. NASA Cosmic Origins Program Analysis Group (COPAG) Meeting**  
"UV Diagnostics of the Starburst ISM"  
243rd Winter AAS Meeting, New Orleans, LA
- 2023 **27. ELT Science in Light of JWST Conference**  
"Building the Foundations of Galaxy Evolution with Rest-Frame UV & Optical Spectra"  
UCLA, Los Angeles, CA
- 26. Beyond Astronomy Conference: UV Galaxies**  
"The CLASSY Survey"  
"The Future of UV Astronomy with UVEX"  
"Neurodivergence in Academia"  
Reykjavik, Iceland
- 25. New Views on Feedback & the Baryon Cycle in Galaxies**  
"Tracing the Baryon Cycle with CNO Abundance"  
ASTRO3D, Victoria, Australia
- 24. NASA Diffuse Gas in Cosmic Ecosystems Science Interest Group (SIG) Talks**  
"Calibrating the FUV Diagnostic Emission-Line Toolbox"  
NASA
- 23. Fake Light Workshop**  
"Observational Benchmarks of Chemical Evolution for Next Generation Simulations"  
Center for Computational Astrophysics, Flatiron Institute
- 22. CGCA Public Talk**  
"A Window onto Extreme and Early Galaxies with the Webb Telescope"  
UWM Center for Gravitation, Cosmology, & Astrophysics
- 21. First UVEX Community Workshop: Synergies and New Opportunities**  
"Calibrating the FUV Diagnostic Emission-Line Toolbox with UVEX"  
Caltech
- 20. A New Era in Extragalactic Astronomy: Early Results from the JWST**  
"Revealing the Ionizing Spectrum of Low-Metallicity Galaxies with MIRI"  
Kavli Institute for Cosmology, University of Cambridge, UK
- 19. The Growth of Galaxies in the Early Universe VIII: JWST First Results:**  
"Revealing the Ionizing Spectrum of Low-Metallicity Galaxies with MIRI"  
Sexten Center of Astrophysics, Sexten, Italy
- 2022 **18. Astronomy Colloquium**  
Australian National University
- 17. Instituto de Astrofísica de Andalucía Severo Ochoa Excellence Colloquia**  
Andalucía, Spain
- 16. 8th Annual GMT Community Science Meeting: Black Holes at All Scales**

Sedona, AZ

**15. Science w/HST & JWST VI: Entering a Golden Age for UV-Opt-IR Astronomy**

Stockholm, Sweden

**14. IAU Symposium 361: Massive Stars Near and Far**

Ballyconnell, Ireland

**13. NASA Galaxies Science Interest Group (SIG) Talk:**

“Calibrating the FUV Diagnostic Emission-Line Toolbox w/UVEX: Probing Evolution of the Lowest-Mass Galaxies”

NASA

**12. Galaxy Group Meeting: “The CLASSY Survey”**

University of Geneva, Geneva, Switzerland

**11. I2I: Linking Galaxy Physics from ISM to IGM: “The CLASSY Survey”**

Sexten Center of Astrophysics, Sexten, Italy

**10. The Growth of Galaxies in the Early Universe VII: “The CLASSY Survey”**

Sexten Center of Astrophysics, Sexten, Italy

**9. Astronomy Colloquium: “The CLASSY Survey”**

University of California, Los Angeles

2021 **8. Astronomy Colloquium: “The CLASSY Survey”**

University of California, Berkeley

**7. III Workshop on Chemical Abundances in Gaseous Nebulae:**

[Review talk: UV Spectroscopic Surveys](#)

Uniersidade do Vale do Paraíba, São José dos Campos, Brazil

**6. Galaxies & Cosmology & Stars & Planets Seminar: “Bridging Galaxy Evolution**

Across Cosmic Time” Center for Astrophysics, Harvard & Smithsonian

**5. Astronomy Seminar: “Bridging Galaxy Evolution Across Cosmic Time”**

San Diego State University

**4. Astronomy Seminar: “Bridging Galaxy Evolution Across Cosmic Time”**

Texas A&M

**3. Astronomy Colloquium: “Bridging Galaxy Evolution Across Cosmic Time”**

Caltech

**2. Astronomy Colloquium: “Bridging Galaxy Evolution Across Cosmic Time”**

University of California Santa Cruz

**1. Astrophysics Colloquium: “Bridging Galaxy Evolution Across Cosmic Time”**

Arcetri Astrophysical Observatory, Florence, Italy

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**Press**

2022

**Scientific American:** Featured in the April 2022 “[Women Are Creating a New Culture for Astronomy](#)” article by Ann Finkbeiner

**Astronomy.com:** Featured in the April 2022 “[New CLASSY Atlas Provides Clues About Galaxy Evolution](#)” article by Mara Johnson-Groh

**STScI Article:** Featured in the STScI Newsletter Volume 39 Issue 01: “[HST’s CLASSY Survey of Local Extreme Star-Forming Galaxies Paves the Way for Early Universe Discovery](#)”

**McDonald Press Release:** “[Galaxies Pump Out Contaminated Exhaust](#)”

## Service

### Departmental

- 2021-present **Graduate Admissions Recruiter**  
**Graduate Admissions Committee** | Member  
**Postdoc Mentoring Program** | **Chair**  
**ExGal Coffee / arXiv discussion** | **Organizer**  
**DEI Club** | Member and Participant  
**Association of Women in Astronomy Research and Education (AWARE)** | Member
- 2020-2021 **Faculty Search Committee** | Member  
**Graduate Admissions Committee DEI Subcommittee** | Member  
**DEI Graduate Program Evaluation Special Committee** | Member

### University

- 2022-present **Disabled Faculty Committee** | Member  
2022, 2023 **Prospective Student's Day** | Participant  
2023-present **University Resource Group** | Member

### National

- 2023 **Panel member** | James Webb Space Telescope time allocation  
2023-present **NASA Diffuse Gas in Cosmic Ecosystems (DGCE) SIG** | **Leadership team**  
2021-present **UVEX – NASA MIDEX Concept Mission** | **Co-Investigator & Team lead** of Objective 2 of the Low-Mass, Low-Metallicity Frontier pillar
- 2022 **Galaxy Evolution Workshop** | **Chair & Organizer**  
June 2021 **Galaxies Panel Chair** | Hubble Space Telescope Time Allocation Committee  
2017-2021 **Panel member** | Hubble Space Telescope time allocation  
2017-2021 **Committee reviewer** | National Science Foundation panel  
Ongoing **Member** | The American Astronomical Society

### International

- 2024 **Workshop on Chemical Abundances in Gaseous Nebulae IV** | **SOC**  
2023 **Beyond Astronomy Conference: UV Galaxies 2023** | **Chair & Organizer**  
2020-2022 **IAU GA FM Co-Chair** | Busan, South Korea  
2020-present **Member** | The International Astronomical Union  
2013-present **Article Referee** | ApJ, A&A, MNRAS, Galaxies Review, Nature Astronomy



## Mentoring

### Postdoc Scholars

- 2023-present **Lauren Biddle | The University of Texas at Austin**
- Mentor for the Provost Early Career Fellowship
- 2022-present **Nika Jurin | The University of Texas at Austin**
- 2021-present **Simon Gazagnes | The University of Texas at Austin**
- 1<sup>st</sup> author paper submitted in 2022
  - Mentored Summer 2022 REU student Zurita Martinez
  - Harlan J. Smith Fellow
  - Co-PI of HST program 16643
- 2020-2023 **Karla Arellano-Córdova | The University of Texas at Austin**
- Awarded postdoc fellow position at Edinburgh University
  - Published 2—1<sup>st</sup> author papers in 2022
    - **Arellano-Córdova, K., Berg, D.A., et al.** 2022, 940, 23
    - **Arellano-Córdova, K., Berg, D.A., et al.** 2022, ApJ, 935, 74
  - Mentored Summer 2022 REU student Mabel Stephenson
  - Awarded multiple McDonald Observatory programs
  - Funded by Berg's HST program 15840 grant

### Graduate Students

- 2023-present **Zorayda Martinez | PhD student in Astronomy | University of Texas at Austin**
- Scientific & Academic Advisor for the Dean's Strategic Mentoring Fellowship
- 2022-present **Resherle Verna | PhD student in Astronomy | University of Texas at Austin**
- Academic Advisor for the Dean's Strategic Mentoring Fellowship
- 2021-present **Marvin Morgan | PhD student in Astronomy | University of Texas at Austin**
- Academic Advisor for the Dean's Strategic Mentoring Fellowship
- 2021-present **Kaelee Parker | PhD student in Astronomy | University of Texas at Austin**
- 2021 Successful McDonald Proposal
  - 2023 Saas Fee Winter School Attendee
  - PI of successful Hubble Space Telescope Cycle 31 Proposal
- 2019-2022 **Grace Olivier | PhD student in Astronomy | The Ohio State University**
- Currently a Texas A&M Postdoctoral Fellow
  - Advisor of PhD 2<sup>nd</sup> year project
  - Funded by Berg's HST program 15465 grant
  - Presenter in 2019 Cloudy Workshop
  - Principal advisor of student-led paper: **Olivier, G., Berg, D.A., et al.** 2022
- 2019-2023 **Noah Rogers | PhD student in Astronomy | University of Minnesota**
- Awarded postdoc fellow position at Northwestern University
  - Co-advisor of PhD thesis
  - Co-advisor of student-led paper: **Rogers, N., Berg, D.A., et al.** 2021
  - Co-advisor of student-led paper: **Rogers, N., Berg, D.A., et al.** 2022

### Undergraduate Students

- 2023 **Stefan Langshur | The University of Texas at Austin**

- 2022-present • UT Summer REU co-advisor: Radio Signatures of AGN  
**Alexander Menchaca | Astronomy Major | The University of Texas at Austin**
  - Awarded 2023 DoD Summer Internship
  - Presented research poster at the 239<sup>th</sup> AAS Meeting Winter 2023
  - Awarded 2022 Astronomy Department Summer Undergraduate Research Fellowship
- 2022-present **Micah Marks | Astronomy Major | The University of Texas at Austin**
  - Awarded 2023 Astronomy Department Summer Undergraduate Research Fellowship
  - Awarded 2022 Astronomy Department Summer Undergraduate Research Fellowship
- 2022 **Zurita Martinez | The University of Texas at Austin**
  - UT Summer REU co-advisor: Impact of Spectral Resolution on Ly $\alpha$  profiles
- 2022 **Mabel Stephenson | The University of Texas at Austin**
  - UT Summer REU co-advisor: N/O Abundances in The CLASSY Sample
  - 2023 AAS Chambliss Astronomy Achievement Award
- 2020-2022 **Ilyse Clark | Astronomy Major | The University of Texas at Austin**
  - Awarded the 2021 TIDES Advanced Summer Research Fellowship
  - Presented research poster #153.17 at the 237<sup>th</sup> AAS Meeting 2021
  - PI of an approved 8 hour observing program on the 10-m Hobby Eberly Telescope
  - Lead author of **Clark, I., Berg, D.A., et al. 2024**
  - Currently a graduate student at University of California San Diego
- 2021 **Jay Trevino | The University of Texas at Austin**
  - Research Experience for Undergraduates (REU) advisor: Uncovering the Ionizing Radiation Fields in Galaxies Using Detailed Photoionization Modeling
- 2021 **Stefany Dubon | The University of Texas at Austin**
  - TX Astronomy Undergraduate Research Experience for Under-represented Students (TAURUS) advisor: Spatial Scales in Star-Forming Galaxies Observed in UV Spectra

## Student Research Committees

- 2023-present **Zorayda Martinez | PhD student in Astronomy | University of Texas at Austin**
- 2023-present **Hollis Atkins | PhD student in Astronomy | University of Texas at Austin**
- 2023-present **Hera Wiegand | PhD student in Astronomy | University of Texas at Austin**
- 2022-present **Alexa Morales | PhD student in Astronomy | University of Texas at Austin**
- 2022-2023 **Wichahpi King | PhD student in Astronomy | University of Texas at Austin**
- 2022-present **Kaelee Parker | PhD student in Astronomy | University of Texas at Austin**
- 2022-present **James Mang | PhD student in Astronomy | University of Texas at Austin**
- 2021-present **Olivia Cooper | PhD student in Astronomy | University of Texas at Austin**
- 2021-present **Kay Guo | PhD student in Astronomy | University of Texas at Austin**
- 2020-2022 **Adam McCarron | PhD student in Astronomy | University of Texas at Austin**

## Teaching Experience

- 2020-present The University of Texas at Austin | Assistant Professor**
- Fall 2023 • **Practical Intro to Research** (AST-376R | 48365) – **in-person**  
Upper level **undergraduate** astronomy course for majors (14 students)
  - Spring 2023 • **Galaxies, Quasars, & The Universe** (AST-309R | 47895) – **in-person** introductory  
**undergraduate** astronomy course for non-majors (180 students)
  - **Extragalactic/Cosmology Seminar** (AST-309G | 48060) – **mixed-modality** ( in-person  
+  
web-based) seminar course for astronomy **graduate** students (13 students)
  - Fall 2022 • **Survey of the Interstellar Medium** (AST-393F | 48070) – **in-person**  
**graduate** astronomy course (21 students)
  - **Extragalactic/Cosmology Seminar** (AST-309G | 48060) – **mixed-modality** ( in-person  
+  
web-based) seminar course for astronomy **graduate** students (13 students)
  - Spring 2022 • **Galaxies, Quasars, & The Universe** (AST-309R | 47025) – **mixed-modality**
  - Fall 2021 (simultaneous  
in-person + web-based) introductory **undergraduate** astronomy course for  
non-majors  
(~85 students)
  - Spring 2021 • **Galaxies, Quasars, & The Universe** (AST-309R | 48295) – **mixed-modality**  
(simultaneous  
in-person + web-based) introductory **undergraduate** astronomy course for  
non-majors  
(~180 students)
  - Fall 2020 • **Extragalactic/Cosmology Seminar** (AST-309G | 48110) – **web-based** seminar  
course for astronomy **graduate** students (12 students)
  - **Galaxies, Quasars, & The Universe** (AST-309R | 46585) – **web-based**  
introductory **undergraduate** astronomy course for non-majors (163 students)
  - **Extragalactic/Cosmology Seminar** (AST-309G | 46658) – **web-based** seminar  
course for astronomy **graduate** students (5 students)

## Outreach

- May 2023 **CGCA Great Public Talk** | University of Wisconsin Milwaukee
- Feb 2021 **Guest speaker** | Board of Visitors Winter Meeting

## Awards

- 2023 **Accessibility Champion Award** | **Accessibility and Disability Office** | UT  
**CNS Faculty Travel Grant** | \$1,400
- 2022 **Board of Visitors Teaching Excellence Award**  
**CNS Faculty Travel Grant** | \$1,400  
**Rom Rhone International Professional Development Fund** | \$1,200
- 2021 **AAS International Travel Grant** | \$1,200

