




# Chloe Neufeld

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## Education

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2022 - present	<b>Astronomy Ph.D. (in progress)</b> Yale University <i>Advisor: Prof. Pieter van Dokkum</i>
2024	<b>Astronomy MPhil, Astronomy MSc</b> Yale University
2018 - 2022	<b>Physics B.S. (emphasis in Astrophysics), Math Minor, Art History Minor</b> University of California, Davis <i>Advisor: Prof. Maruša Bradač</i>

## Publications (First & Co-First Author)

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1. Medlock, I., Neufeld, C., Nagai, D., et al. Quantifying Baryonic Feedback on the Warm–Hot Circumgalactic Medium in CAMELS Simulations, *ApJ* **980**, 1 (2025). arXiv: 2410.16361
2. Neufeld, C., van Dokkum, P., et al. FRESCO: The Paschen- $\alpha$  Star Forming Sequence at Cosmic Noon, *ApJ* **972**, 2 (2024). arXiv: 2404.10816
3. Neufeld, C., Strait, V., Bradač, M. et al. RELICS: Small Lensed  $z \geq 5.5$  Galaxies Selected as Potential Lyman Continuum Leakers. *MNRAS* **516**, 2 (2022). arXiv: 2111.14882

## Conferences

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July 2024	<b>Paschen-<math>\alpha</math> and the Star Forming Sequence at Cosmic Noon</b> European Astronomical Society (EAS) Annual Meeting 2024, remote <i>Contributed talk</i>
April 2024	<b>The Paschen-<math>\alpha</math> Star Forming Sequence at <math>z \sim 1 - 2</math></b> Space Telescope Science Institute (STScI) 2024 Spring Symposium, Baltimore <i>Poster / flash talk</i>
January 2024	<b>Paschen-<math>\alpha</math> and the Star Forming Sequence at Cosmic Noon</b> American Astronomical Society (AAS) 243 Winter Meeting, New Orleans <i>Contributed talk</i>
April 2022	<b>Early Galaxies: Shedding Light on Cosmic Dawn</b> Astronomy on Tap, Davis <i>Public talk</i>
October 2021	<b>Small Lensed <math>z \geq 5.5</math> Galaxies Selected as Potential Lyman Continuum Leakers</b> APS Far West Section Conference, remote <i>Contributed talk</i>
April 2021	<b>Galaxy Sizes at Cosmic Dawn</b> UC Davis Undergraduate Research Conference, remote <i>Contributed talk</i>

## Observations

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**Observing Experience:**

Keck/KCWI 7.5 nights  
*lead observer: 2.5 nights*

Keck/NIRSPEC 1 night  
 Keck/LRIS 2 nights

**Accepted PI Proposals:**

Keck/KCWI 2.5 nights

**Teaching**

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2022 - 2024 | **Teaching Fellow, Yale University**  
 ASTR 110: Stars and Planets; *Prof. Michael Faison*  
 ASTR 210: Stars and Their Evolution; *Prof. Robert Zinn*  
 ASTR 160: Frontiers of Astrophysics; *Prof. Marla Geha*  
 ASTR 465/565: The Evolving Universe; *Prof. Pieter van Dokkum*

**Outreach**

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2024 - 2025 | **Astronomy Student Council, Yale Astronomy Department**  
*Council member*

2023 - present | **Galaxy Lunch, Yale Astronomy Department**  
*Seminar organizer*

2023 - present | **Astronomy Climate and Diversity Committee, Yale Astronomy Department**  
*Committee member*

2025 | **Seeds of Success, New Haven**  
*Mentor*

2022 - 2024 | **Astrosibs, Yale Astronomy Department**  
*Graduate student mentor*

2022 - present | **Astro on Tap, New Haven**  
*Organizing member*

2019 - 2022 | **Physics Club at UC Davis**  
*Club officer, project team member*

**Honors and Awards**

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2024 – **Dean’s Fund for Colloquia and Symposia**; Yale University GSAS  
 2022 – **Outstanding Performance Citation**; UC Davis Physics & Astronomy Department  
 2022 – **Saxon-Patten Prize**; UC Davis Physics & Astronomy Department  
**The Honor Society of Phi Beta Kappa**  
**The Honor Society of Phi Kappa Phi**