

# Steven Gillman



Researcher  
Cosmic Dawn Center | DTU-Space

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## Overview

I am a Researcher at the Cosmic Dawn Center and DTU-Space, Denmark. Focused on the formation and evolution of galaxies, with particular emphasis on massive, dust-obscured galaxies during cosmic noon and beyond. My work combines observations from JWST and ALMA with advanced computational simulations to probe their physical properties and evolutionary pathways.

## Employment

- 2024– **Researcher** | Technical University of Denmark (DTU), Lyngby, Denmark
- 2020–2024 **DAWN Fellow** | Technical University of Denmark (DTU), Lyngby, Denmark

## Education

- 2016–2020 **PhD in Astronomy**  
Dept. of Physics, Durham University  
Thesis: [Resolved Studies of the Dynamics, Star Formation and Chemical Properties of High-Redshift Galaxies](#)  
Supervisor: Prof. Ray Sharples and Prof. Mark Swinbank
- 2012–2016 **MPhys (Hons) Physics and Astronomy**, First Class  
Dept. of Physics, University of Birmingham  
Masters Thesis: Morphology Density Relation in Low Redshift Galaxy Clusters  
Supervisor: Dr. Graham Smith and Dr. Felicia Ziparo
- 2015 **Research Internship**  
Dept. of Physics, University of Birmingham  
Project: Galaxy Cluster Scaling Relations  
Supervisor: Dr. Graham Smith and Dr. Sarah Mulroy

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## Internationalism

**International Collaborations:** MIRI European Consortium High-Redshift Working Group (PI: L. Colina, Göran Östlin), ALMA SCUBA-2 UDS (AS2UDS) (PI: Ian Smail), KMOS Galaxy Evolution Survey (PI: Mark Swinbank)

### Talks and Conference Contributions

Since 2016 I have attended 18 international conferences, given 12 contributed and 5 invited talks.

#### Two most recent invited talks (2 out of 5).

- November 2024 **JWST (ESA, NASA, CSA) – Danish activities in studies of the infrared Universe**  
[National Space Conference](#), Denmark
- February 2024 **The Earliest Galaxies - A MIRI Perspective**  
[From first light to new world views with JWST](#), Pontifical Academy of Sciences, The Vatican, Italy

#### Two most recent contributed talks (2 out of 12).

- November 2023 **The MIRI Deep Imaging Survey (MIDIS): An Overview**  
Resolving the Universe with JWST and ALMA, Tokyo, Japan
- July 2022 **The Early Universe**  
JWST First Images Reception, Copenhagen, Denmark,

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## Publications Summary

Publication within astronomy: The main author is first, followed by co-authors who contributed to the work and then the rest are listed alphabetically.

**First Author:** 8, **Co-Author:** 67, **H-index:** 22, [\[ADS Library\]](#)

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## Co-Supervision and Teaching

- PhD:** (2023–) Chandana Hegde, (2023–) Nikolaj Sillassen Iris Jermann (2022–), Malte Brinch (2020–2024, now a postdoc in Santiago, Chile):
- MSc:** (2025– ) Andreas Rasmussen, (2023) Maria Madsen, (2022) Søren Staal, (2021) Michael Messere
- Teaching:** (2024) Lecture on galaxy evolution, KU, (2017–2020) Undergraduate Year 2 Stars and Galaxies Workshop Demonstrator, (2016–2017) Undergraduate Year 1 Problems Administrator

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## Telescope Time

Since 2018 I have been awarded ~120 hours of PI telescope time and ~300 hours of Co-PI telescope time on start-of-the-art space and ground-based facilities such as (e.g. VLT/KMOS, VLT/HAWK-I, VLT/MUSE, ALMA, JWST/NIRCam and JWST/MIRI)

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## Professional Activities

2024	SOC Chair for <a href="#">EAS Special Session, SS12</a> "Removing the Disguise: SMGs in the era of JWST"
2024	SOC Chair / LOC co-Chair for Scandinavian Galaxy Conference ( <a href="#">D-LOCKS</a> )
2023–	Instrument Center for Danish Astrophysics ( <a href="#">IDA</a> ) Board Member
2021–2024	<a href="#">DTU-Space Astronomy &amp; Atmospheric Physics Seminar</a> Coordinator
2020–	Referee for MNRAS, ApJ, A&A and Science journals.
2019–2020	Departmental Galaxy Evolution Meeting Organiser
2018–2019	Weekly Postgraduate Journal Club Organiser
2017–2020	Undergraduate Year 2 Stars and Galaxies Workshop Demonstrator
2017–2018	Weekly 1st Year Postgraduate Journal Club Organiser
2016–2017	Undergraduate Year 1 Problems Administrator

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## Awards and Scholarships

2016–2020	<b>STFC Postgraduate Studentship</b> Centre for Extragalactic Astronomy, Durham, UK
June 2015	<b>Gateway Internship Bursary</b> Dept. of Physics, University of Birmingham

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## Professional Memberships

2021–	<a href="#">Junior Member of International Astronomical Union</a>
2019–2021	Fellow of the Royal Astronomical Society, UK
2016–2021	Member of Institute of Physics, UK
2013–2016	Student Member of Institute of Physics