

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

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,

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, [\[ADS Library\]](#)

Co-Supervision and Teaching

- PhD:** (2024 –) 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

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)

Professional Activities

2024	SOC Chair for EAS Special Session, SS12 "Removing the Disguise: SMGs in the era of JWST"
2024	SOC Chair / LOC co-Chair for Scandinavian Galaxy Conference (D-LOCKS)
2023 –	Instrument Center for Danish Astrophysics (IDA) Board Member
2021 – 2024	DTU-Space Astronomy & Atmospheric Physics Seminar 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

Awards and Scholarships

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

Professional Memberships

2021 –	Junior Member of International Astronomical Union
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