

Steven Gillman



Researcher
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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