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Curriculum Vitae

Career highlights

Lead-author *Science* paper 🌟 ESA/Hubble press release 🌟 Featured on Phil Plait's *Bad Astronomy* blog.

Employment history

2019→ **Postdoctoral researcher**, *Stockholm University dept. of Astronomy & Oskar Klein Center*, Sweden.

2017-2019 **Postdoctoral researcher**, *Institute of Theoretical Astrophysics, University of Oslo*, Norway.

2017 **Assistant Researcher**, *Stockholm University dept. of Astronomy & Oskar Klein Center*, Sweden.

Summer/winter schools

2012 **Nordic Millimeter and Optical/NIR Astronomy Summer School**, Onsala Space Observatory, Sweden.

2014 **Penn State Summer School of Astrostatistics**, Pennsylvania, USA.

2015 **North-European Radio Astronomy School**, Tuorla Observatory, Finland.

2016 **The 46th Saas-Fee Course: Lyman-alpha As An Astrophysical And Cosmological Tool**, Switzerland.

Talks, seminars and outreach

Meetings &
Conferences

Revolutionary Spectroscopy of Today as a Springboard to Webb, *Leiden, Netherlands*, Nov. 2019.

Zoom-In and Out: From the Interstellar Medium to the Large Scale Structure of the Universe,
Stockholm, Sweden, June 2019.

European Week of Astronomy and Space Science, *Lyon, France*, June 2019

Escape of Lyman radiation from galactic labyrinths, *Kolymvari, Greece*, September 2018.

SakuraCLAW, *Tokyo, Japan*, March 2018.

How Galaxies Form Stars, *Stockholm, Sweden*, August 2016.

Lyman Alpha Reference Sample collaboration workshop, *Paris, France*, October 2014.

European Week of Astronomy and Space Science, *Geneva, Switzerland*, June 2014.

Stockholm-Uppsala Ph.D. days, *Uppsala, Sweden*, April 2014

Lyman- α As An Astrophysical Tool, *Stockholm, Sweden*; September 2013.

Seminars etc.

Astronomy Seminar, *Stockholm University*, Stockholm, Sweden, January 2020.

TAPIR Seminar, *Caltech*, Pasadena, CA, USA, August 2019.

Lunch Seminar, *UCSB*, Santa Barbara, CA, USA, August 2019.

DAWN Cake talk, *Cosmic DAWN Center*, Copenhagen, Denmark, May 2019.

Astrophysics Brown Bag Lunch Talk, *MIT Kavli Institute*, Cambridge, MA, USA, March 2019

Astronomy Seminar, *University of Minnesota*, Minneapolis, MN, USA, March 2019

Physics & Astronomy Seminar, *Macalester College*, St. Paul, MN, USA, March 2018.

Friday Colloquium, *University of Oslo*, Norway; December 2017.

Cosmology Seminar, *University of Oslo*, Norway; April 2017.

Cosmology seminar, *University of Oslo*, Norway; September 2015.

Astronomy Seminar, *University of Minnesota*, Minneapolis, MN, USA; April 2015.

Physics & Astronomy Seminar, *Macalester College*, St. Paul, MN, USA; March 2015.

Outreach

Popular lecture, *Astronomy on Tap*, Oslo, Norway, January 2018.

Popular lecture and Galaxy Zoo workshop, *UngForsk (Young Researchers)*, Oslo, Norway, Sept. 2018.

Telescope shows + popular lecture, *The AlbaNova Telescope*, Stockholm, Sweden, multiple occasions during 2012 – 2016.

External research project advisor, Secondary School students (12th grade) at *Falkonergårdens*

Gymnasium & HF, Copenhagen, Denmark, November-December 2011

Popular cosmology lectures for *Fysiklærerforeningen* (Danish Society for secondary school physics teachers), and for the *Science Talenter* (Young Science Talents) program. 4 occasions 2009-2010.

Planetarium guide, *Tycho Brahe Planetarium*, Copenhagen, Denmark. Weekly or biweekly 2003-2006.

Succesful observing proposals

PI **Astrosat**

A07_165 – The Sunburst Arc: Spatially resolved imaging of rest-frame 500 Å Lyman-continuum in the brightest lensed galaxy

Co-I **Hubble Space Telescope**

15966 – What lurks below the Lyman-Limit? Uncovering the unseen ionizing continuum of massive stars

15949 – Lyman Continuum Escape in High Definition

15831 – Measuring the Stellar Populations In a Strongly Lensed X-ray Emitting Dwarf Starburst at Cosmic Noon

15418 – Probing spatially variable Lyman-continuum escape from the brightest lensed galaxy in the universe

15352 – Lyman alpha and ISM Tomography of Haro 11

15101 – A high-definition study of the brightest lensed galaxy in the universe

14923 – LYCAT - LYman Continuum and Alpha in Tol1214-277

14806 – SAFE: Star clusters, lyman Alpha and Feedback in Eso338-04

13655 – How Lyman alpha bites/beats the dust

13654 – Ultraviolet Spectroscopy of the Extended Lyman Alpha Reference Sample

13483 – eLARS - extending the Lyman Alpha Reference Sample

ESO

092.A-0098(A) – **XSHOOTER**, Zackrisson et al.

093.A-0897(B) – **KMOS**, Ostlin et al.

094.A-0605(A) – **MUSE**, Ostlin et al.

094.B-0944(A) – **MUSE**, Ostlin et al.

094.A-0697(A) – **FORS2**, Ostlin et al.

096.B-0690(A) – **MUSE**, Hayes et al.

Grants & Awards

2015 G & E Cobbs Donation Stipend

Teaching experience

2009-2011 **Secondary school teacher**, 11th–12th grade math and physics, *Falkonergaardens Gymnasium & HF*, Frederiksberg, Denmark.

2012 - 2014 **Teaching assistant**. *Stockholm University*, Sweden. 20% time in the first 3 years of my Ph.D.

2012 - 2014 **Computer lab teacher**. *Stockholm University*, Sweden. Developed and ran the late-stage undergrad level workshop *Computer Tools for Astronomers*, which ran over 3x3 hours once a year.