

Tim Linden

ASSISTANT PROFESSOR · STOCKHOLM UNIVERSITY

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Employment

Stockholm University

ASSISTANT PROFESSOR

- Department of Physics
- Steering Committee for the Oskar Klein Centre

Stockholm, Sweden

Jan. 2020 – Present

The Ohio State University

POSTDOCTORAL FELLOW

- Center for Cosmology and AstroParticle Physics Fellow (July 2015 — Present)
- Einstein Postdoctoral Fellow (July 2015 — June 2016)

Columbus, OH

July 2015 — Jan. 2020

University of Chicago

POSTDOCTORAL FELLOW

- Kavli Institute for Cosmological Physics Postdoctoral Fellow
- Einstein Postdoctoral Fellow

Chicago, IL

July 2013 — June 2015

Education

University of California, Santa Cruz

PH.D. IN PHYSICS

- Thesis: *Dark Matter Annihilation in the Galactic Center*
- Advisor: Stefano Profumo

Santa Cruz, CA

Sept. 2008 — June 2013

Northwestern University

B.A. IN INTEGRATED SCIENCE PROGRAM, PHYSICS, MATHEMATICS

Evanston, IL

Sept. 2004 — June 2008

Publication Statistics

104 articles and letters (98 accepted, 6 under review)

inspire: **6424** citations, h-index: **43**

Presentation Statistics

98 conference presentations, seminars, and colloquia since January 1, 2017

21 Physics or Astronomy Department colloquia

27 invited conference presentations

Accepted Proposals and Current Support

14 accepted proposals (**4** provide current funding)

Significant Honors & Awards

2018 **Michelson Postdoctoral Prize Lectureship**
2013 — 2016 **Einstein Postdoctoral Fellowship**

Case Western Reserve University
NASA

Accepted Proposals

EDUCATE: Excellence Dark Universe Centre and Technology Enabler CO-INVESTIGATOR (PI: ARIEL GOOBAR)	Vetenskapsrådet Excellence Centre Jan. 2024 — Dec. 2029
Non-equilibrium dynamics in the Milky Way and Local Group CO-I (ADVISOR/HOST); PI - AXEL WIDMARK	Marie Curie Action January. 2024 — Dec. 2026
Shedding New Light on the Milky Way with TeV Electrons PRIMARY INVESTIGATOR	Vetenskapsrådet Consolidator Grant Jan. 2023 — Dec. 2027
Illuminating WIMP Dark Matter with Resilient Astrophysical Emission Models PRIMARY INVESTIGATOR	Rymdstyrelsen Starting Grant Jan. 2020 — Dec. 2023
Using TeV Gamma-Rays to Shed Light on Cosmic-Ray Propagation PRIMARY INVESTIGATOR	Vetenskapsrådet Starting Grant Jan. 2020 — Dec. 2023
Correlating Fermi-LAT and ASAS-SN Data to Understand Blazars PRIMARY INVESTIGATOR	Fermi GI Cycle 12 Oct. 2019 — Sept. 2020
The mysterious solar gamma-ray emission: Powerful new tests at low energies CO-INVESTIGATOR (PI: ANNIKA PETER)	Fermi GI Cycle 12 Oct. 2019 — Sept. 2020
Illuminating Inner Heliospheric Cosmic Rays with Gamma Rays CO-INVESTIGATOR (PI: ANNIKA PETER)	Fermi GI Cycle 11 August 2018 — July 2019
Using XMM to study the TeV Halos Surrounding Energetic Pulsars CO-INVESTIGATOR (PI: KATIE AUCHETTL)	XMM-Newton AO-17 87 kS Observation (Oct. 2018)
Novel Diffuse Emission Models for the Central Molecular Zone PRIMARY INVESTIGATOR	Fermi GI Cycle 10 October 2017 — Sept. 2018
Using Fermi Dark Matter Annihilation Constraints to Probe the Early Universe CO-INVESTIGATOR (PI: ADRIENNE ERICKCEK)	Fermi GI Cycle 10 October 2017 — Sept. 2018
Revealing the Sun's Coronal Magnetic Fields with Gamma Rays CO-INVESTIGATOR (PI: ANNIKA PETER)	Fermi GI Cycle 10 October 2017 — Sept. 2018
Understanding γ-Rays from the Galactic Center: Constraining Millisecond Pulsars CO-INVESTIGATOR (PI: FABIO ANTONINI)	Fermi GI Cycle 8 October 2015 — Sept. 2016
The Smith Cloud: A High-Velocity Cloud Confined by Dark Matter PRIMARY INVESTIGATOR	Fermi GI Cycle 6 August 2013 — July 2014
A Multiwavelength Model for Novel Physics in the Galactic Center FELLOWSHIP RECIPIENT (PI, CHICAGO: DAN HOOPER, PI, OHIO STATE: ANNIKA PETER)	Einstein Fellowship July 2013 — June 2016

Service and Institutional Responsibilities

Oskar Klein Center STEERING GROUP MEMBER AND COLLOQUIUM COMMITTEE	2022 – Present
Swedish National Committee on Astronomy DELEGATE AND STOCKHOLM UNIVERSITY REPRESENTATIVE	2023 – Present
EuCAPT European Consortium for Astroparticle Theory) STOCKHOLM REPRESENTATIVE AND EQUALITY DIVERSITY AND INCLUSION COMMITTEE	2022 – Present
Stockholm University OUTREACH COMMITTEE	2020 – Present
TeV Particle Astrophysics Conference (TeVPA)) INTERNATIONAL ORGANIZING COMMITTEE	2019, 2020, 2021, 2022, 2023

International Fermi Symposium

2018, 2020 (cancelled), 2022

SCIENTIFIC ORGANIZING COMMITTEE

Co-Chair of Local Organizing Committee

Summer 2017

TeVPA 2017 INTERNATIONAL CONFERENCE

Referee

2009 –

NATURE ASTRONOMY, NATURE COMMUNICATIONS, PHYSICAL REVIEW LETTERS, PHYSICAL REVIEW, ASTROPHYSICAL JOURNAL LETTERS, ASTROPHYSICAL JOURNAL, MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, JOURNAL OF HIGH ENERGY PHYSICS, JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS, ASTRONOMY & ASTROPHYSICS

Proposal Referee

2015 –

ICELANDIC RESEARCH FUND (2019), NASA POSTDOCTORAL FELLOWSHIP PROGRAM (2016, 2017, 2018), ROYAL SOCIETY RESEARCH FELLOWSHIP (2015), NASA NESSF PROGRAM (2015), EUROPEAN SPACE AGENCY (2015)

Proposal Panelist

2016 –

NATIONAL SCIENCE FOUNDATION (2016, 2017, 2023), NASA FERMI (2016), NASA THEORY (2017, 2018)

Mentored Students and Postdocs

Axel Widmark

POSTDOCTORAL FELLOW, STOCKHOLM UNIVERSITY (AND COLUMBIA UNIVERSITY)

2023 – Present

Milena Crnogorčević

POSTDOCTORAL FELLOW, STOCKHOLM UNIVERSITY

2023 – Present

Oindrila Ghosh

POSTDOCTORAL FELLOW, STOCKHOLM UNIVERSITY

2023 – Present

Sunniva Jacobsen (primary advisor: Katie Freese)

GRADUATE STUDENT, STOCKHOLM UNIVERSITY

2021 – Present

Isabelle John

GRADUATE STUDENT, STOCKHOLM UNIVERSITY (MAIN SUPERVISOR)

2020 – Present

Michael Korsmeier

POSTDOCTORAL FELLOW, STOCKHOLM UNIVERSITY

Now: Data Scientist at Savantic AB

2020 – 2023

Pedro de la Torre Luque

POSTDOCTORAL FELLOW, STOCKHOLM UNIVERSITY

Now: Asst. Prof at San Pablo CEU University

2021 – 2023

Oskar Svenborn (with: Evan O'Connor)

MASTERS STUDENT, STOCKHOLM UNIVERSITY (ASTRONOMY)

Now: Data Scientist at PerkinElmer

2022 – 2023

Juri Smirnov

POSTDOCTORAL FELLOW, STOCKHOLM UNIVERSITY

Now: Asst. Prof at U. Liverpool

2021 – Present

Carlos Blanco

POSTDOCTORAL FELLOW, STOCKHOLM UNIVERSITY

Now: Hubble Postdoc at Princeton

2020 – 2022

Federico Gremmo

MASTERS STUDENT, STOCKHOLM UNIVERSITY

Master's Thesis Defended, Nov. 2022

2021 – 2022