

Center for Astrophysics | Harvard & Smithsonian  
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## RESEARCH INTERESTS

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Astrophysical black holes, accretion flow mechanisms, interstellar medium, Galactic Center, computational imaging, very long baseline interferometry.

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## EDUCATION

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- PhD in Astrophysics**, Radboud University 2017 – 2021  
Thesis title: “*Lifting the Veil on Black Holes: Approaching the Event Horizon with High Resolution Imaging*” supervised by Prof. H. Falcke (*cum laude*)
- MSc in Physics & Astronomy**, Radboud University 2015 – 2017  
Thesis title: “*VLBA imaging of 3mm SiO masers near Orion Source I*” (*cum laude*)
- BSc in Physics**, McGill University 2012 – 2015

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## RESEARCH AND TEACHING EXPERIENCE

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### Student Supervision

- Kim Alonso, *SAO intern* Jan – Jul 2024  
Erandi Chavez, *Harvard University* 2022 – present  
Noemi La Bella, *Radboud University* 2021 – present

**Black Hole Explorer Science Operations Lead** 2023 – present  
*Center for Astrophysics | Harvard & Smithsonian*

**NHFP Einstein Fellow / SMA Fellow** 2021 – present  
*Center for Astrophysics | Harvard & Smithsonian*

**Lecturer** 2022 – present  
*Lorentz School on the Fundamentals of the Universe – Black Holes on All Scales*  
*SMA Interferometry School – Very Long Baseline Interferometry (2022 – 2024)*

**Member of the Event Horizon Telescope Collaboration** 2015 – present  
Polarimetry Working Group coordinator 2022 – present

**Graduate Teaching Assistant**, *Faculty of Science, Radboud University* 2016 – 2020  
Courses: Planetary Systems (2017 – 2020), Gas Dynamics (2017 – 2019),  
Observational Astronomy (2017 – 2019), Quantum Mechanics 2 (2016 – 2017)

**Smithsonian Astrophysical Observatory Predoctoral Fellow** 2018  
*Center for Astrophysics | Harvard & Smithsonian*

## RECENT HONORS AND AWARDS

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<i>Center for Astrophysics   Harvard &amp; Smithsonian pH Lecture</i>	2024
<i>Christiaan Huygens Science Prize</i>	2022
<i>EHT Thesis Award – Data Analysis Category</i>	2021
<i>L’Oreal Netherlands For Women In Science Rising Talent Prize (1st place)</i>	2021
<i>NASA Hubble Fellowship Program – Einstein Fellowship</i>	2021
<i>Sub-Millimeter Array Postdoctoral Fellowship (deferred to 2024)</i>	2021
<i>EHT Early Career Award –</i> for contributions to the observations, array calibration, data validation, and imaging of the 2017 EHT data, leading to the results published in the first six EHT papers	2020
<i>Einstein Medal for EHT – as member of the EHT</i>	2020
<i>Breakthrough Prize in Fundamental Physics for EHT – as member of the EHT</i>	2020
<i>Radboud University Team Science Award – as member of RU EHT team</i>	2019
<i>NSF Diamond Achievement Award – as member of the EHT</i>	2019
<i>Radboud University Christine Mohrmann Stipend</i>	2019
<i>Radboud University Best Faculty of Science Thesis Prize</i>	2018

## RECENT SCIENTIFIC TALKS

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CfA Colloquium (for pH Lecture)	Sept 2024
CfA Summer Colloquium Series Lecture	Jul 2024
Black Hole Explorer Japan Workshop Invited Talk	Jun 2024
Harvard Black Hole Initiative Annual Conference Invited Talk	May 2024
Princeton Gravity Initiative Seminar	Apr 2024
CfA Special Colloquium on new EHT results	Mar 2024
Boston University Astronomy Colloquium	Mar 2024
NASA IRSTIG meeting talk on Black Hole Explorer	Nov 2023
Onsala Space Observatory Colloquium	Oct 2023
JuliaCon 2023 Radio Interferometry Mini Symposium Talk	Jul 2023
EAS EHT Special Session Talk	Jul 2023
Bologna VLBI: Life Begins at 40! conference Invited Talk	May 2023
Princeton Gravity Initiative/PCTS Workshop Invited Talk	Feb 2023
Korean Astronomy & Space Institute Colloquium	Nov 2022
Seoul National University Astronomy Colloquium	Nov 2022
Yonsei University Astronomy Colloquium	Nov 2022
Boston University Astronomy Colloquium	Nov 2022
Tufts University Astronomy Colloquium	Oct 2022

PyCon US 2022 Keynote Speaker	Apr 2022
Galaxy Evolution Seminar, University of Oxford (remote)	Oct 2021
CASPER Workshop Invited Talk (remote)	May 2021
COSPAR Invited Talk (remote)	Jan 2021
NCAC Colloquium, Polish Academy of Sciences (remote)	Oct 2020
Black Hole Initiative Colloquium, Harvard (remote)	Sept 2020
McGill Space Institute Astronomy Seminar, McGill (remote)	Sept 2020
EHT Special Session Speaker. 235 <sup>th</sup> AAS, Hawaii, USA	Jan 2020
Invited Talk. Galactic Center Workshop, Yokohama, Japan	Oct 2019
Invited Keynote Talk. EuroSciPy 2019, Bilbao	Sept 2019

## RECENT ACADEMIC SERVICE

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Organizing Committee. CfA RMS Seminar	2024 – present
CfA Workshop/Conference and Visitor Committee	2024
Hubble Space Telescope Cycle 32 proposal review panelist	2024
Scientific Organizing Committee. Black Hole Explorer Japan Workshop	2024
Local Organizing Committee. 50 Years of Narayan Conference	2023 – 2024
EHTC Polarimetry Working Group Coordinator	2022 – present
Organizing Committee and lecturer. Annual SMA Interferometry School	2022 – present
NSERC Fellowship Selection Committee	2022 – 2024
Scientific Organizing Committee. COSPAR 2024 Session E1.18	Oct 2022– 2024
ASTRON SEP Evaluation Committee	2023
Scientific Organizing Committee. EAS 2023 Special Session 23	2022 – 2023
Scientific Organizing Committee. EHT collaboration meetings	2018, 2019, 2023
NASA Astrophysics Proposal Reviewer	2022
Organizer. Black Holes Across Space and Time (BLAST) Workshop	2021 – 2022
Organizing Committee Chair. Broadening Horizons ngEHT Workshop	2022
Scientific Organizing Committee. EAS 2021 Special Session 11.	2021
Scientific Organizing Committee. EHT Imaging Workshops	2018, 2020
Diversity and Inclusion Task Force. EHT Collaboration	2020 – 2022
Project Director Search Committee. EHT Collaboration	2019 – 2020
Scientific Organizing Committee. EHT Polarimetry Workshop	2019

## RECENT OUTREACH

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Guest on The Women’s Table podcast	Sept 2024
Guest on NPR All Things Considered	Mar 2024
Guest on Bulletin Spatial documentary series (French)	Oct 2023
EHT Black Hole Week in coordination with NASA Universe	2022 – 2024

Guest on Talk Python podcast	Jan 2023
Guest on PBS Stargazers	Jun 2022
Black Hole PIRE Webinar Series on the Galactic Center Talk	Feb 2022
Talk for Ciencia en Bicicleta at the Planetario de Medellín. (Spanish, remote)	Aug 2021
Boston Museum of Science Panelist (remote)	May 2021
Yuri's Night World Space Party Turkey (remote)	Apr 2021
Guest Speaker, Telus Spark Camp Girls Heart Science (remote)	Aug 2020
Guest Speaker, Canadian Online Science Fair (remote)	June 2020
Keynote Speaker. '2020: A Space Odyssey' Symposium, Grinnell College, Iowa	Feb 2020
Invited Panelist. EHT panel at the Genoa Science Festival, Genoa, IT	Nov 2019
Invited Speaker. Flemish Amateur Astronomy Society, Brugges, BE	Oct 2019
Guest on Starts With A Bang podcast	Sept 2019
Speaker. Public Lectures at the Museum Valkhof, Nijmegen, NL	Apr 2019