

# CURRICULUM VITAE

Dr Noémie Globus

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## Personal Details

b. Paris, France, October 6, 1983

Languages: English, French, Polish: fluent. Spanish: notions. Hebrew: beginner.

## Contact

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- Department of Astronomy and Astrophysics, University of California, Santa Cruz, CA 95064

## Education

**Qualification for Lecturer Functions** in Sections 29 (elementary constituents of matter) and 34 (astronomy and astrophysics), French Ministry of National Education

**2008-2011** Ph.D. in Astronomy, Astrophysics and Space Science, Observatoire de Paris-Université PSL

**2006-2008** M.Sc. in Astronomy, Astrophysics and Space Science, Observatoire de Paris-Université PSL

**2002-2006** B.Sc. Physics, University Paris VI, Ecole Nationale Supérieure de Cachan, Department: Physique

## Employment History

### Present postdoctoral and visiting positions

Since 2021: Chancellor's Postdoctoral Fellow, University of California, Santa Cruz (USA)

Since 2019: Guest researcher, Flatiron Institute (USA)

Since 2019: Visiting Scientist, Astrophysical Big Bang Laboratory, RIKEN (Japan)

### Past postdoctoral and visiting positions

**2021:** Postdoctoral Fellow, ELI Beamlines (Czech Republic) 8 months

**2018:** Visiting Postdoctoral scholar, KIPAC, Stanford University (USA) 5 months

**2019 – 2020:** Postdoctoral Fellow, New-York University / Flatiron Institute (USA)

**2015 – 2018:** Postdoctoral Fellow, The Hebrew University (Israel)

**2012 – 2015:** Postdoctoral Fellow, Tel Aviv University (Israel)

## Awards, Citations, Honors, Fellowships

**2018-2020** Koret Fellowship (KIPAC, Stanford University, USA)

**2015-2017** Lady Davis Fellowship (The Hebrew University, Israel)

## Professional Service Activities

### • Grant panelist

- the French National Research Agency (ANR)
- the National Aeronautics and Space Administration (NASA)
- the Israel Science Foundation (ISF)

### • Referee

Science (Science), Physical Review Letters (PRL), Physical Review D (PRD), The Astrophysical Journal (ApJ), Monthly Notices of the Royal Astronomical Society (MNRAS), Journal of Cosmology and Astroparticle Physics (JCAP), ACS earth & space chemistry

### • Chair, International Conferences

- Nuclear Astrophysics & Cosmic Rays in the Multimessenger Era, ICISE, Quy Nhon (Vietnam), July 25-29, 2022
- High Energy Astrophysics Israel Japan Workshop, RIKEN, Wako and Kobe Campus (Japan), July 18-23, 2019

### • Organizer, International Conferences

- IAUS 375: The multimessenger chakra of blazar jets, 5-9 December 2022, Nepal, Kathmandu (LOC)
- 31st Texas Symposium on Relativistic Astrophysics, 12 - 16 September, 2022 / Prague, Czech Republic (LOC)
- TMEX-2020: Theory meeting experiment: particle astrophysics and cosmology, ICISE, Quy Nhon (Vietnam), 6-11 January 2020 (SOC)
- VHEPU-2018: Very High Energy Phenomena in the Universe, ICISE, Quy Nhon (Vietnam), 12-18 August 2018 (SOC)
- High Energy Astrophysics Workshop (Feb. 28, 2017) at the Hebrew University (Israel) (SOC)

- **Organizer of the weekly astrophysics seminar**, the Hebrew University of Jerusalem (Israel): academic years 2016-2017 and 2017-2018.
- **Membership**
  - Telescope Array Collaboration
  - International Astronomical Union (IAU)
  - The Extreme Non-Thermal Universe: CDY Initiative
  - Women in Physics, New York University (2019-2020)
- **Elected Students Representative**, Doctoral school of Astronomy and Astrophysics of Paris (2009-2010)

## Teaching and Mentoring Experience

- **Graduate students courses**
  - nuclear magnetic resonance (Paris Observatory and Université Paris VI)
  - special and general relativity (Paris Observatory and Université Paris VI)
  - solar optics and spectroscopy (Paris Observatory)
  - dynamics of dilute gases and plasmas (Paris Observatory)
  - imagery post-processing (Paris Observatory)
  - far-infrared detection (Paris Observatory)
- **Undergraduate students courses**
  - introduction to astronomy and astrophysics (Paris Observatory)
  - programming in IDL (Paris Observatory)
  - supervisor of observations at Solar Tower (Paris Observatory)
  - undergraduate student training
  - a e-learning instructor in astronomy
- **Mentoring Experience**
  - Chen Ding (NYU) (2 years, lead to his first-author publication in ApJL and press release in Quanta Magazine)

## Publications

- 26 peer-reviewed papers, 16 as first author
- Invited news items in Nature, Quanta Magazine and Scientific American
- Topical convener for: "Ultra-High-Energy Cosmic Rays: The Intersection of the Cosmic and Energy Frontiers", Submitted to the US Community Study on the Future of Particle Physics (Snowmass 2021), arXiv.2205.05845

## Invited Talks

- 25 invited talks at international conferences
- More than 70 invited seminars/colloquia at world-class research institutes (Full list available upon request)

## Selected Outreach Activities

**2018** Public outreach activities at San Matteo College (USA)

**2013-2014**: Public outreach activities at Wise Observatory (Israel)

**2008-2011**: Public outreach activities at Paris Observatory (open nights, outreach lectures, mentoring of astronomy projects in schools) and Palais de la Découverte (France)

**2002-2007**: Co-founder of the association for Astronomy of Paris XI University (France)

## Observing Experience

**2011-2013**: Observations at Telescope Bernard Lyot, Observatoire du Pic du Midi (21 nights). Advisor: Dr Rémi Cabanac. Instrument: NARVAL (spectropolarimeter)

**2008**: Training period of observing and data reduction at the Observatoire de Haute Provence (1 week), France.

**2006**: Training period (observations, data analysis) at the Canada France Hawaii Telescope (3 weeks at the summit). Advisor: Dr Christian Veillet. Instrument: WIRCam.