

EDUCATION

Leiden University Ph.D. in Astrophysics Supervisor: Prof. Ewine van Dishoeck	Leiden, Netherlands 2019–Present
University of Cambridge MPhil in Astrophysics Supervisor: Prof. Cathie Clarke – Thesis: “Observational consequences of planet migration”	Cambridge, UK 2018–2019
MASt (Part III) in Astrophysics	2017–2018
University of St Andrews B.Sc. in Astrophysics	St Andrews, UK 2013–2017

RESEARCH INTERESTS

Interstellar molecules, Planet formation, Submillimetre and infrared astronomy, Astrochemistry

PROFESSIONAL EXPERIENCE

Leiden University Graduate research assistant Supervisor: Prof. Ewine van Dishoeck	Leiden, Netherlands Oct 2019–Present
University of Cambridge Graduate research assistant Supervisor: Prof. Cathie Clarke	Cambridge, UK Oct 2018–Aug 2019
Harvard University Summer research assistant Supervisor: Prof. Karin Öberg	Cambridge, US Jul 2017–Aug 2017
University of St Andrews Undergraduate research assistant Supervisor: Dr Claudia Cyganowski	St Andrews, UK Jan 2017–May 2017

AWARDS

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| • Awarded funding from Leids Kerkhoven-Bosscha Fonds (LKBF) | 2022 |
| • Sheepshanks Scholarship and Studentship in Astronomy (Trinity College, University of Cambridge) | 2017–2018 |
| • Harvard Origins of Life Initiative Undergraduate Research Award | 2017 |
| • The Astrophysics Project Prize (University of St Andrews) | 2017 |
| • Royal Astronomical Society Undergraduate Research Bursary (University of St Andrews) | 2015 |

REFEREED PUBLICATIONS (FIRST AUTHOR)

- [1] **P. Nazari**, B. Tabone, G. P. Rosotti, M. L. van Gelder, R. Meshaka, and E. F. van Dishoeck, “[Importance of source structure on complex organics emission II. Can disks explain lack of methanol emission from some low-mass protostars?](#)”, *A&A*, 2022.
- [2] **P. Nazari**, M. L. van Gelder, E. F. van Dishoeck, B. Tabone, M. L. R. van’t Hoff, N. F. W. Ligterink, H. Beuther, A. C. A. Boogert, A. Caratti o Garatti, P. D. Klaassen, H. Linnartz, V. Taquet, and Ł. Tychoniec, “[Complex organic molecules in low-mass protostars on Solar System scales. II. Nitrogen-bearing species](#)”, *A&A*, vol. 650, A150, A150, 2021.
- [3] **P. Nazari**, R. A. Booth, C. J. Clarke, G. P. Rosotti, M. Tazzari, A. Juhasz, and F. Meru, “[Revealing signatures of planets migrating in protoplanetary discs with ALMA multiwavelength observations](#)”, *MNRAS*, vol. 485, pp. 5914–5923, 2019.

REFEREED PUBLICATIONS (CO-AUTHOR)

- [4] N. G. C. Brunken, A. S. Booth, M. Leemker, **P. Nazari**, N. van der Marel, and E. F. van Dishoeck, “[A major asymmetric ice trap in a planet-forming disk. III. First detection of dimethyl ether](#)”, *A&A*, vol. 659, A29, A29, 2022.
- [5] M. L. van Gelder, **P. Nazari**, B. Tabone, A. Ahmadi, E. F. van Dishoeck, M. T. Beltrán, G. A. Fuller, N. Sakai, Á. Sánchez-Monge, P. Schilke, Y. .-L. Yang, and Y. Zhang, “[Importance of source structure on complex organics emission. I. Observations of CH₃OH from low-mass to high-mass protostars](#)”, *A&A*, 2022.
- [6] G. M. Williams, C. J. Cyganowski, C. L. Brogan, T. R. Hunter, J. D. Ilee, **P. Nazari**, J. M. D. Kruijssen, R. J. Smith, and I. A. Bonnell, “[ALMA observations of the Extended Green Object G19.01-0.03 - I. A Keplerian disc in a massive protostellar system](#)”, *MNRAS*, vol. 509, no. 1, pp. 748–762, 2022.
- [7] F. Meru, G. P. Rosotti, R. A. Booth, **P. Nazari**, and C. J. Clarke, “[Is the ring inside or outside the planet?: the effect of planet migration on dust rings](#)”, *MNRAS*, vol. 482, pp. 3678–3695, 2019.
- [8] J. D. Ilee, C. J. Cyganowski, **P. Nazari**, T. R. Hunter, C. L. Brogan, D. H. Forgan, and Q. Zhang, “[G11.92-0.61 MM1: a Keplerian disc around a massive young proto-O star](#)”, *MNRAS*, vol. 462, pp. 4386–4401, 2016.

TEACHING AND MENTORING

- **Teaching Assistant** of ‘Astrochemistry’ course taught by Prof. Ewine van Dishoeck 2022
Leiden Observatory
- **Daily supervisor** of a LEAPS student Summer 2021
Leiden Observatory
- **Daily supervisor** of three MSc students 2020-2022
Leiden Observatory
- **Teaching Assistant** of ‘Star and Planet Formation’ course taught by Prof. Ewine van Dishoeck and Dr. Melissa McClure 2019-2020
Leiden Observatory

SELECTED OUTREACH AND SERVICE ACTIVITIES

- **Organiser of the NOVA Network II seminars in the Netherlands** 2019-2022
Leiden Observatory

- Author of a CASSIS manual 2022
- ALMA proposal reviewer 2021
- Invited talk at Astronomy on Tap
Leiden 2021
- Author at [She Speaks Science](#) 2018

PRESENTATIONS

- Invited talk at Iranian National Observatory workshop, online, 2022
- Invited talk at InterCat Centre meeting, online, 2021
- Talk at Star formation meeting, Leiden University, 2021
- Contributed talk at Chemical processes in Solar-type star forming regions, Torino, 2021
- Contributed talk at Astrochemical Frontiers, online, 2021
- Talk at Astrochemistry Seminar, Leiden University, 2021
- Contributed talk at ALMA day, Leiden Observatory, 2021
- Contributed talk at Five Years After HL Tau, online conference, 2020
- Seminar at Institute of Astronomy, University of Cambridge, 2020
- Invited talk at Kavli Institute, University of Cambridge, 2019

REFEREES

- Prof. Ewine van Dishoeck (supervisor) Leiden Observatory, Leiden University, P.O. Box 9513, 2300 RA Leiden, the Netherlands
- Prof. Cathie Clarke (supervisor) Institute of Astronomy, University of Cambridge, Madingley Road, Cambridge, England CB3 0HA
- Dr Claudia Cyganowski (supervisor, lecturer and tutor) School of Physics and Astronomy, University of St Andrews, North Haugh, St Andrews, Scotland KY16 9SS
- Prof. Karin Oberg (supervisor) Harvard-Smithsonian Centre for Astrophysics, 60 Garden Street, MS 16, Cambridge, USA, MA 02138