

# Mor Rozner - Curriculum Vitae

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Citations: [NASA ADS](#), [ORCID](#)

POSITIONS	Combined two postdoc prize fellowships (2024/5-): • <b>Member, Institute for Advanced Study (IAS), Princeton, USA &amp;</b> • <b>Junior research fellow (JRF), Gonville &amp; Caius College, Cambridge, UK</b>	
EDUCATION	<b>PhD, Physics, Technion - Israel Institute of Technology</b> , Haifa, Israel	2019/20 - 2024
	<b>MSc, Physics, Technion - Israel Institute of Technology</b> , Haifa, Israel	2017/18-2019
	<b>BSc, Physics and Mathematics</b> <b>Technion - Israel Institute of Technology</b> , Haifa, Israel Magna cum laude Physics department honors program From High School to the Technion Program <sup>1</sup>	2017
PRIZES, GRANTS & FELLOWHIPS	<ul style="list-style-type: none"><li>• <b>West hub small grant for conference organization</b>, co-PI Barry Ginat</li><li>• <b>Israel Physics Society (IPS) Prize – Yoel Rakah Prize for theory students</b></li><li>• <b>Rothschild fellowship</b></li><li>• <b>Duncombe student research prize (DDA AAS 2022)</b></li><li>• <b>Azrieli national prize fellowship</b></li><li>• <b>BSc graduation, Magna cum laude (Technion)</b></li><li>• <b>Young Weizmann scholars (Weizmann Institute of science)</b></li><li>• <b>Physics department honors program scholarship (Technion)</b></li><li>• <b>Dean list (Technion)</b></li></ul>	2025 2024 2024/5 2022 2021/2-2024 2017 2016,2017 2015-2017 2015,2017
ACADEMIC SERVICE & OUTREACH	<ul style="list-style-type: none"><li>• <b>Reviewer for APJL, APJ, MNRAS, Icarus, Physical Review D, E, Letters</b></li><li>• <b>DDA AAS 57 (planned), SOC member</b></li><li>• <b>Astrophysics seminars committee, IAS</b></li><li>• <b>Co-organizer and co-founder of dynamics lunch meetings, Cambridge</b></li><li>• <b>Co-organizer and co-founder of DYNAMIX, Cambridge</b></li><li>• <b>IoA astrophysics colloquium committee, Cambridge</b></li><li>• <b>ExoCam – exoplanet seminar organizing committee, Cambridge</b></li><li>• <b>Member of the Regent House, University of Cambridge</b></li><li>• <b>Co-organizer of AsCoS IV– Astrophysics &amp; cosmology students conference</b> August 2024</li><li>• <b>Chair in DDA AAS 55</b></li><li>• <b>Physics colloquium committee at the Technion</b></li><li>• <b>Co-organizer of AsCoS III– Astrophysics &amp; cosmology students conference</b> August 2023</li><li>• <b>Chair in DDA AAS 53</b></li><li>• <b>Member in the fellows to fellows Azrieli committee</b></li><li>• <b>DPS AAS 53 discussion moderator</b></li><li>• <b>AAS 238 Chambliss Judge</b></li><li>• <b>Chair of iposter session at AAS 238</b></li><li>• <b>GOC (Global Organization Committee) at Exoplanets III, Heidelberg, Germany</b> July 2020</li></ul>	2026 2025/6 2025 June 2025 2024/5 2024/5 2024/5 2024/5 August 2024 April 2024 2023/4 August 2023 April 2022 2022-2024 October 2021 June 2021 June 2021 July 2020

<sup>1</sup>Admitted through the Technion Early-Admission Program, an entry scheme allowing university studies prior to standard high-school completion.

- **Founder and organizer** of *graduate students weekly seminar*, Technion summer 2019 , spring 2023

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TEACHING EXPERIENCE	<ul style="list-style-type: none"> <li>• Teaching Assistant - Electromagnetism &amp; Electrodynamics, Advanced undergraduate course</li> <li>• Teaching Assistant/coordinator - Physics department honors program</li> <li>• Teaching Assistant - scientific discoveries</li> </ul>	spring 2021,2022 2023/4 spring 2023/4
SUPERVISION	<ul style="list-style-type: none"> <li>• <b>Jamie Erak</b>, summer student, IoA, Cambridge Now is about to begin graduate studies in Oxford</li> <li>• <b>Wenkang Xin</b>, David and Bridget Jacobs Internship Programme, IoA, Cambridge</li> <li>• <b>Archie McNamara</b>, part III student (master's level program) in Cambridge, <b>Supervisor: Mor Rozner</b>, UTO: Oliver Shortle, 2024/5</li> </ul>	2025 2025 2024/5
PROFESSIONAL ACADEMIC DEVELOPMENT	<ul style="list-style-type: none"> <li>• 2020 Planet Formation Program: From Dust Coagulation to the Final Orbital Assembly (virtual part due to COVID19)</li> <li>• (Cancelled due to COVID19) Other Worlds Laboratory summer program 2020 – Santa Cruz</li> </ul>	June 2020
TALKS	<ul style="list-style-type: none"> <li>• Astrophysics seminar, university of Bristol (invited)</li> <li>• UCLA Astronomy Colloquium (invited)</li> <li>• Multiplicity in young stars, Copenhagen</li> <li>• Astro seminar, University of Exeter</li> <li>• SPIMAX seminar, university of Oxford</li> <li>• Astrophysics seminar, Bath</li> <li>• MCR-SCR talk, Gonville &amp; Caius, Cambridge</li> <li>• IAS Astrophysics seminar, IAS, Princeton</li> <li>• Astrolunch seminar , Hebrew University of Jerusalem</li> <li>• Astrobiology and Planetary Exploration (APEX) seminar, UCL</li> <li>• Caius Science network, Cambridge</li> <li>• IAStrophysical waves conference, IAS, Princeton</li> <li>• Astronomy seminar, Warwick (invited)</li> <li>• Dynamics group meeting, Oxford</li> <li>• IoA seminar, Cambridge</li> <li>• New ideas on the origins of BH mergers, Niels Bohr Institute, Copenhagen</li> <li>• Astrophysics seminar, Weizmann Institute</li> <li>• Astrophysics seminar (invited), Ben Gurion University, Israel</li> <li>• Physics faculty retreat, Technion</li> <li>• DDA AAS 55 (contributed talk), University of Toronto</li> <li>• PhD final seminar, Technion</li> <li>• DAMTP astrophysics seminar, Cambridge</li> <li>• SPIMAX seminar, university of Oxford</li> <li>• Astronomy &amp; astrophysics seminar, Tel Aviv university</li> <li>• Thunch seminar, Princeton</li> <li>• IAS coffee, Princeton</li> <li>• CCA planet group meeting seminar</li> <li>• Columbia department astrophysics seminar</li> </ul>	December 2025 November 2025 August 2025 June 2025 June 2025 May 2025 May 2025 May 2025 April 2025 March 2025 March 2025 January 2025 November 2024 November 2024 October 2024 August 2024 July 2024 June 2024 May 2024 May 2024 April 2024 February 2024 February 2024 February 2024 October 2023 October 2023 October 2023 October 2023

• TAPIR seminar, Caltech	October 2023
• TAC seminar, Berkeley	October 2023
• Two in a million (virtual contributed talk), Garching, Germany	September 2023
• Amaldi conference (virtual contributed talk)	July 2023
• Massive Triples, Binaries and Mergers 2023, Leuven, Belgium (contributed talk)	July 2023
• European Astronomical Society (virtual contributed talk)	July 2023
• NAM 2023, Cardiff (contributed talk)	July 2023
• ARCO seminar, the open university, Israel (invited talk)	May 2023
• DDA AAS 54 (virtual contributed talk)	May 2023
• Israel Physical Society (IPS) conference (contributed talk)	April 2023
• Gravity group meeting, Niels Bohr institute Copenhagen (invited)	December 2022
• TAC seminar, Berkeley	September 2022
• COMPAS meeting, Monash university, Australia (invited)	August 2022
• Astro seminar, Monash university, Australia (invited)	August 2022
• Black hole workshop, Niels Bohr institute, Copenhagen (invited)	May 2022
• Science happy hour, Northwestern (virtual)	May 2022
• CCA planet group meeting (virtual)	April 2022
• DDA AAS 53, CCA	April 2022
• TAPIR seminar, Caltech (invited)	April 2022
• CIPS seminar, Berkeley (invited)	April 2022
• Planetary lunch seminar, Santa Cruz university (invited)	April 2022
• MIT Kavli lunch talk (virtual)	April 2022
• Thunch seminar, Princeton (virtual)	April 2022
• CCA Astro data community meeting (virtual)	March 2022
• Aspen winter conference 2022, virtual talk (contributed talk)	January 2022
• Origins seminar, university of Arizona (virtual contributed talk)	October 2021
• DPS AAS 53, virtual (contributed talk)	October 2021
• Stellar dynamics and evolution group meeting, Lund university (virtual invited talk)	June 2021
• High energy seminar, Hebrew University (invited talk)	June 2021
• AAS 238, virtual (contributed talk)	June 2021
• Astronomy Colloquium, university of Maryland, postponed (invited talk)	June 2021
• DDA AAS 52, virtual (contributed talk)	May 2021
• Israel Physical Society (IPS) conference, virtual (contributed talk)	February 2021
• DDA AAS 51, virtual (contributed talk)	August 2020
• Israel Physical Socieny (IPS) conference, Weizmann Institute, Israel (contributed talk)	February 2020
• Rocky Worlds: from the Solar System to Exoplanets, Kavli Institute for Cosmology, Cambridge, UK (contributed talk)	January 2020
• MSc graduation seminar, Technion, Israel	April 2019

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## Publications:

PUBLISHED	17. Su, Rowan & <b>Rozner</b> , Gas meets Kozai: the influence of a gas-rich accretion disc on hierarchical triples undergoing von Zeipel-Lidov-Kozai oscillations, MNRAS, 543, 2 (2025)
	16. Zenati, Yossef ; Wang, Qinan ; Bobrick, Alexey ; DeMarchi, Lindsay ; Glanz, Hila ; <b>Rozner, Mor</b> et al, <i>Evidence for Extended Hydrogen-Poor CSM in the Three-Peaked Light Curve of Stripped Envelope Ib Supernova</i> , APJ, 992, 1 (2025)

15. **Rozner** & Ramirez-Ruiz, Stellar distributions around supermassive black holes in gas-rich nuclear star clusters, APJL, 988, 1 (2025)
14. **Rozner M.**, Trani A., Samsing J., Perets H.B., The formation of mini-AGN disks around IMBHs and their dynamical implications, MNRAS, 537, 2 (2025)
13. Zenati Y., **Rozner M.**, Krolik J.H., Most E.R., Mass transfer in eccentric black hole – neutron star mergers, APJ, 978, 2 (2025)
12. **Rozner M.** & Perets H. B., Soft no more: gas shielding protects soft binaries from disruption in gas-rich environments, APJ, 968, 2 (2024)
11. **Rozner M.** & Perets H. B. , *Born to be wide: the distribution of wide binaries in the field and soft binaries in clusters*, APJ, 955, 2 (2023)
10. **Rozner, M.**, Generozov A. & Perets H.B., *Binary formation through gas-assisted capture and the implications for stellar, planetary and compact-object evolution*, MNRAS, 521,1 (2023)
9. **Rozner, M.** & Perets H.B., *Binary evolution, gravitational-wave mergers and explosive transients in multiple-populations gas-enriched globular-clusters*, APJ, 931,2 (2022)
8. **Rozner, M.**, Glanz H. , Perets, H. B. and Grishin, E., *Inflated Eccentric Migration of Evolving Gas-Giants I: Accelerated Formation and Destruction of Hot and Warm Jupiters*, APJ, 931, 1 (2022)
7. Glanz H., **Rozner, M.** , Perets, H. B. and Grishin, E., *Inflated Eccentric Migration of evolving gas giants II: Numerical methodology and basic concepts*, APJ, 931, 1 (2022)
6. **Rozner, M.**, Veras, D. & Perets, H. B., Rapid destruction of planetary debris around WDs through wind erosion, MNRAS, 502, 4 (2021)
5. **Rozner, M.**, Grishin, E., Perets, H. B., *The Wide-Binary Origin of The Pluto-Charon System*, MNRAS, 497, 4 (2020)
4. Grishin, E., **Rozner, M.** , Perets, H. B., *Erosion-driven Size Redistribution of Protoplanetary Disk Solids and the Onset of Streaming Instability and Pebble Accretion*, APJL, 898,1 (2020)
3. **Rozner, M.**, Grishin, E., Perets, H. B., *The aeolian-erosion barrier for the growth of metre-size objects in protoplanetary discs*, MNRAS, 496, 4 (2020)
2. **Rozner, M.**, Grishin, E., Ginat, Y. B., Igoshev, A. P., Desjacques, V., *Axion resonances in binary pulsar systems*, JCAP, Issue 03 (2020)
1. **Rozner, M.**, Desjacques, V., *Backreaction of axion coherent oscillations*, Physical Review D, Volume 98, Issue 2 (2018)

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## Voluntary & Outreach

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- STEMPOINT – supervised a Year 12 student on a research project summer 2025
- Cambridge Science Festival, popular public lecture March 2025
- Short interview for the international women day, IoA, Cambridge March 2025
- Volunteer in 'memory in the living room' (Zikaron BaSalon) 2021-2024  
a social initiative to preserve Holocaust memory and honor and support Holocaust survivors