

Sukru Furkan OZTURK, PH.D.

PERSONAL INFORMATION

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RESEARCH GROUP WEBSITE: ozturklab.caltech.edu

EMPLOYMENT

2025- Assistant Professor of Geobiology and Geochemistry, **Caltech**, Pasadena, CA, USA
2025- William H. Hurt Scholar, **Caltech**, Pasadena, CA, USA
2024-2025 Senior Member, **King's College**, Cambridge, UK
2024-2025 Kavli-Laukien Fellow, **Harvard University**, Cambridge, MA, USA

EDUCATION

2018-2024 Doctor of Philosophy (Ph.D.) in PHYSICS, **Harvard University**, Cambridge, MA
Origins of life | Advisor: Prof. Dimitar D. Sasselov
Thesis: *A New Spin on the Origin of Biological Homochirality*
2018-2021 Master of Arts (M.A.) in PHYSICS, **Harvard University**, Cambridge, MA
Atomic, molecular, and optical physics | Advisor: Prof. Markus Greiner
2014-2018 Bachelor of Science (B.Sc.) in PHYSICS, **Bilkent University**, Ankara, Turkiye
Condensed matter theory | Advisor: Prof. Mehmet Ozgur Oktel
CGPA: 3.99/4.00, *valedictorian*, highest ever in the department
Thesis: *Numerical Solution of the Non-Local Gross-Pitaevskii Equation*

RESEARCH INTERESTS

My research focuses on the prebiotic origins of biomolecular homochirality and the emergence of life. I am broadly interested in prebiotic chemistry, chirality-induced spin selectivity (CISS), and the role of mineral surfaces in origins of life. In addition, I am interested in spin-dependent phenomena in biochemistry, including biological electron transfer, as well as in geochemistry.

AWARDS AND FELLOWSHIPS

2026 TASSA Young Scholar Award
2026 Origins Federation Early Career Award in Origins of Life Research
2025 Forbes Turkiye 30 Under 30
2024 Gertrude and Maurice Goldhaber Prize by Harvard Physics Department
2024 Kavli-Laukien Prize Fellowship by Harvard Origins of Life Initiative
2024 Stipendiary Research Fellowship by King's College, Cambridge
2024 First place in JCI's Ten Outstanding Young Persons of the World (TOYP)
2024 Selected for the 73rd Lindau Nobel Laureate Meeting in Physics
2018 Purcell Fellowship by Harvard University
2016 Best Project Award by Bilkent University Physics Department
2014-2018 Comprehensive Scholarship by Bilkent University
2014-2018 National Undergraduate Scholarship (2205) by TUBITAK
2014-2018 Presidential Scholarship by Turkish Prime Ministry
2010-2014 Selected for Turkey's national program for gifted students (BILSEM)

PUBLICATIONS

14. Nagashima, K., Wang, A., Anderson, N., Ayala-Garnia, C., Kirschvink, J., **Ozturk, S. F.**, (2026) Greigite-vivianite prebiotic geochemistry and ribonucleotide homochirality. *In Preparation*
13. **Ozturk, S. F.**, Piascik, S., Devienne, J. A. P. M., Harrison, R. J., Fu, R. R., Sassellov, D. D. (2026) Single-moment level detrital remanent magnetization analysis: Implications for prebiotic origins of homochirality. *In Preparation*
12. Devienne, J. A. P. M., Liu, Z., Jiang, C. Z., Tosca, N. J., Ginnis, T., Sassellov, D. D., Harrison, R. J., & **Ozturk, S. F.** (2026). Prebiotic magnetite enables chirality-magnetic surface feedback. *In Press at Science Advances* (arXiv:2605.19387)
11. Paltiel, Y., Goldberg, D., Yuran, N., Yochelis, S., Soh, J. H., Seibel, C., Zilberg, S., **Ozturk, S. F.**, Fransson, J., Krylov, A., & Naaman, R. (2026). Dynamic breaking of mirror symmetry in spin-dependent electron transport through chiral media causes enantiomeric excesses. *Science Advances*, 12(17), eaec9325.
 - *Research Highlight*: Gomollón-Bel, Fernando. (2026). Elusive electronic effect could explain the origins of chirality for all life on Earth *RSC Chemistry World*.
10. Kapon, Y., Brann, L., Yochelis, S., Fransson, J., Sassellov, D. D., Paltiel, Y., & **Ozturk, S. F.** (2026). Temperature-Enhanced Coercive Field by Chiral Molecules. *The Journal of Physical Chemistry Letters*, 17, 5115–5121.
9. **Ozturk, S. F.**, & Sassellov, D. D. (2025). Life's homochirality: Across a prebiotic network. *PNAS*, 122(34), e2505126122.
8. Fransson, J., Kapon, Y., Brann, L., Yochelis, S., Sassellov, D. D., Paltiel, Y., & **Ozturk, S. F.** (2025). Chiral Phonons Enhance Ferromagnetism. *The Journal of Physical Chemistry Letters*, 16(8), 2001-2007.
7. Su, L., Douglas, A., Szurek, M., Groth, R., **Ozturk, S. F.**, Krahn, A., ... & Greiner, M. (2023). Dipolar quantum solids emerging in a Hubbard quantum simulator. *Nature* 622, 724–729.
6. **Ozturk, S. F.**, Bhowmick, D. K., Kapon, Y., Sang, Y., Kumar, A., Paltiel, Y., Naaman, R. & Sassellov, D. D. (2023). Chirality-induced avalanche magnetization of magnetite by an RNA precursor. *Nature Communications*, 14(1), 6351.
5. **Ozturk, S. F.**, Sutherland J. D., & Sassellov, D. D. (2023). The central dogma of biological homochirality: How does chiral information propagate in a prebiotic network? *Journal of Chemical Physics*, 159(6), 061102.
 - *Research Highlight*: Cover story of the issue and selected as a featured article by the editor.
4. **Ozturk, S. F.**, Liu, Z., Sutherland, J. D., & Sassellov, D. D. (2023). Origin of biological homochirality by crystallization of an RNA precursor on a magnetic surface. *Science Advances*, 9(23), eadg8274.
 - *Research Highlight*: Service, Robert. (2023). 'Breakthrough' could explain why life molecules are left- or right-handed. *Science*, 380-6650.
 - *Research Highlight*: Saplakoglu, Yasemin. (2023). Magnetism May Have Given Life Its Molecular Asymmetry. *Quanta Magazine*
3. **Ozturk, S. F.** & Sassellov, D. D. (2022). On the origins of life's homochirality: Inducing enantiomeric excess with spin-polarized electrons. *PNAS*, 119(28), e2204765119.
 - *Research Highlight*: Greed, S. (2022). The dawn of asymmetry. *Nature Reviews Chemistry*, 1-1.
 - *Commentary*: Bloom, B. P., Waldeck, A. R., & Waldeck, D. H. (2022). Homochirality and chiral-induced spin selectivity: A new spin on the origin of life. *PNAS*, 119(34), e2210505119.
2. **Ozturk S. F.**, Aybar E., Oktel M. Ö. (2020). Temperature dependence of the density and excitations of dipolar droplets. *Physical Review A*, 102(3), 033329.
1. Phelps, G. A., Hébert, A., Krahn, A., Dickerson, S., **Ozturk, S. F.**, Ebadi, S., Su, L., & Greiner, M. (2020). Sub-second production of a quantum degenerate gas. *arXiv preprint arXiv:2007.10807*.

PATENTS

1. *Chiral separation*. Attorney Docket No. 51198-044001, Filed on Feb 9th, 2023. (pending)

RESEARCH EXPERIENCE

2023 FEBRUARY-MARCH



Sutherland Group, MRC Laboratory of Molecular Biology

PhD Thesis Research

Studied the photochemistry of aldehyde-bisulfite adducts and reduction reactions facilitated by iron-oxide surfaces. Investigated the crystallization of an RNA precursor on magnetite surfaces, in the presence of various other prebiotically relevant compounds.

Host: Prof. John D. SUTHERLAND

2023 FEBRUARY-MARCH



The Tosca Lab, University of Cambridge

PhD Thesis Research

Synthesized authigenic magnetite minerals and explored the prebiotically plausible green rust pathway. Analyzed minerals by Raman spectroscopy and x-ray diffraction. Magnetic properties are analyzed to understand their magnetic domain state and remanent magnetization.

Host: Prof. Nicholas TOSCA

2022 OCTOBER-NOVEMBER



Naaman Research Group, Weizmann Institute of Science

PhD Thesis Research

Studied chirality induced magnetization of magnetic surfaces due to the CISS effect. Performed crystallization experiments with an RNA precursor on magnetite and analyzed the induced magnetization by CD spectroscopy, SQUID, and Magneto-optical Kerr effect microscope.

Host: Prof. Ron NAAMAN

2022 APRIL-MAY



Naaman Research Group, Weizmann Institute of Science

PhD Thesis Research

Studied spin-selective reduction of chiral molecules due to the CISS effect on magnetite surfaces. Performed electrochemical reduction experiments using magnetic working electrodes and studied the enantioselective reduction of aldehyde cyanohydrins.

Host: Prof. Ron NAAMAN

2017 SEPTEMBER-2018 AUGUST



Oktel Research Group, Bilkent University

Senior Thesis Work

Worked on the modified Gross-Pitaevskii Equation for self-bound droplets. Created a computational scheme based on GP Equation to describe self-bound droplets. Examined the effect of temperature, studied the expansion dynamics and oscillation modes of the droplets.

Advisor: Prof. Mehmet Ozgur OKTEL

2017 JUNE - AUGUST



Greiner Lab, Harvard University

Undergraduate Internship

Developed digital PID system to control the intensity fluctuations of a laser beam using an FPGA. Ultra low noise laser is then used to create optical lattices as a part of the Fermi Gas Microscope

Advisor: Prof. Markus GREINER

2016 JUNE - AUGUST



Quantum Photonics Group, ETH Zurich

Undergraduate Internship

Studied the photon statistics of polariton condensates and examined the optimization of the second-order coherence function for intrinsically squeezed polaritons.

Advisor: Prof. Atac IMAMOGLU

2015 JUNE - AUGUST



Tait Research Laboratory, Indiana University Bloomington

Undergraduate Internship

Developed MatLab code for 2D supramolecular packing interactions on a surface. Generated input files for calculations via Spartan and developed optimization algorithms.

Advisor: Prof. Steven L. TAIT

RESEARCH GRANTS

3. **07-2026** *Prebiotic Materials Processing* (GRANT14570333)
Source: Air Force Office of Scientific Research (AFOSR) | Amount: \$600,000
2. **04-2026** *Nitrogen Geochemistry in Heterogeneous Systems*
Co-PI(s): Prof. Julia Tejada
Source: William H. Hurt Scholarship Funds | Amount: \$100,000
1. **08-2025** *Spin-dependent Chirality Effects on Ice Nucleation by Magnetite Crystals*
Co-PI(s): Prof. Joe Kirschvink
Source: Linde Center for Global Environmental Sciences | Amount: \$25,000

TEACHING AND MENTORING

Graduate Students Mentored at Caltech

6. Benjamin Mousseau, Ph.D. student in Geochemistry, 2026 SEP–PRESENT
5. Damara Saggio, Ph.D. student in Geobiology, 2026 SEP–PRESENT
4. Maximilian Florida, Ph.D. student in Physical Chemistry, 2026 JAN–PRESENT
3. Kyogo Nagashima, Ph.D. student in Inorganic Chemistry, 2026 JAN–PRESENT
2. Allan Wang, Ph.D. student in Biology and Molecular Biophysics, 2026 JAN–PRESENT
1. Sean Chen, Ph.D. student in Chemical Engineering, 2026 JAN–PRESENT

Previous Teaching and Mentoring

- 2024, Harvard Center for Astrophysics (CfA). Mentor, Science Research Mentoring Program (SRMP).
- 2024, Harvard University. Guest lecturer, ASTRO 305: Topics in Origins of Life Research.
- 2024, Hebrew University of Jerusalem. Supervised Ph.D. student Yael Kapon on temperature-dependent chirality-induced magnetization.
- 2023, Washington University. Guest lecturer, ASTBIO 502: Astrobiology Special Topics.
- 2023, Harvard University. Teaching Fellow, PHYSCI 2: Mechanics, Elasticity, Fluids, and Diffusion.
- 2022–2023, Harvard University. Supervised Master's student Victor Loi on prebiotic chiral compounds and surface characterization.
- 2022, Harvard University. Supervised undergraduate student Cindy Zhou on ion-selective electrode development for sulfite detection.
- 2020, Harvard University. Supervised Master's student Robin Groth on construction of a Fizeau interferometer for optical-lattice alignment.
- 2017, Bilkent University. Teaching assistant, PHYS 212: Modern Physics.

INVITED TALKS

26. *Electron Spin, Chiral Symmetry Breaking, & Life's Homochirality* Chirality & Helicity Shake Hand Workshop; December 7–10, 2026; Solvay Institutes, Brussels, Belgium
25. *Electron Spin, Chiral Symmetry Breaking, & Life's Homochirality* AVS72 International Symposium & Exhibition; November 8–13, 2026; Pittsburgh, PA
24. *Electron Spin, Chiral Symmetry Breaking, & Life's Homochirality* Physical Chemistry Seminar, University of Southern California; October 19, 2025; USC
23. *Greigite-Vivianite Scenario for the Prebiotic Origin of Homochirality* Origins Federation Conference; September 7–11, 2026; Flüeli-Ranft, Switzerland
22. *Electron Spin, Chiral Symmetry Breaking, & Life's Homochirality* Molecular Origins of Life Conference; June 12, 2026; LMU Munich
21. *Electron Spin, Chiral Symmetry Breaking, & Life's Homochirality* Materials Research Lecture; February 2, 2026; Caltech
20. *Electron Spin, Chiral Symmetry Breaking, & Life's Homochirality* Quantum Matter Seminar; December 8, 2025; Caltech
19. *Electron Spin, Chiral Symmetry Breaking, & Life's Homochirality* Chemical Physics Seminar; December 2, 2025; Caltech
18. *Electron Spin, Chiral Symmetry Breaking, & Life's Homochirality* EECS Department Colloquium; October 31, 2025; Saint Louis University
17. *Electron Spin, Chiral Symmetry Breaking, & Life's Homochirality* Physics Department Seminar; September 26, 2025; Bilkent University
16. *On the Origin of Life's Homochirality: Geochemical Foundations* 2025 Origins of Life Conference; September 8–12, 2025; University of Chicago
15. *Origin of Biological Homochirality by Crystallization of an RNA Precursor on a Magnetic Surface* Crystal Growth and Assembly Gordon Conference; June 25th, 2025; Southern New Hampshire University
14. *Origin of Chirality* Science Day Colloquium; May 16, 2025; Koc University
13. *Origin of Life's Homochirality From Magnetic Minerals to a Homochiral Genome* Planetary Science Seminar; January 21, 2025; Caltech
12. *A New Spin on the Origin of Homochirality* Chirality, Spin and Reactivity; November 12–14, 2024; International Solvay Institutes for Physics and Chemistry
11. *A New Spin on the Origin of Homochirality* Spin Transport in Molecular and Nanoscale Systems; June 23rd, 2024; ICPP-13
10. *A New Spin on the Origin of Homochirality* Computations in Science Seminar; May 8th, 2024; University of Chicago
9. *A New Spin on the Origin of Homochirality* Leverhulme Centre for Life in the Universe Seminar; May 1st, 2024; Cambridge University
8. *Origin of Biological Homochirality by Crystallization of an RNA Precursor on a Magnetic Surface* Astrobiology Colloquium; April 16th, 2024; University of Washington
7. *Origin of Biological Homochirality by Crystallization of an RNA Precursor on a Magnetic Surface* Consensed Matter Theory Seminar; March 19th, 2024; Harvard University
6. *Origin of Biological Homochirality by Crystallization of an RNA Precursor on a Magnetic Surface* Centre for Origin and Prevalence of Life; December 15th, 2023; ETH Zurich
5. *Origin of Biological Homochirality by Crystallization of an RNA Precursor on a Magnetic Surface* Life in the Universe II; September 14th, 2023; American Academy of Arts and Sciences
4. *Origin of Biological Homochirality by Crystallization of an RNA Precursor on a Magnetic Surface* Center for the Origins of Life; June 29th, 2023; University of Chicago

3. *Origin of Biological Homochirality by Crystallization of an RNA Precursor on a Magnetic Surface* Origins of Life Initiative; April 6th, 2023; Harvard University
2. *Magnetization and Solving the Chirality Problem* Leverhulme Centre for Life in the Universe Annual Meeting; March 10th, 2023; Cambridge University
1. *Magnetization and Solving the Chirality Problem* Leverhulme Centre for Life in the Universe Coffee Meetings; March 2nd, 2023; Cambridge University

ORAL AND POSTER PRESENTATIONS

18. **Ozturk S. F.**, *Quo Vadis?: The Origin of Life on Earth* Oral presentation at: Seminar Day; 2026 May 16th; Caltech
17. **Ozturk S. F.**, Sassellov D. D. *A New Spin on the Origin of Biological Homochirality* Poster presented at: Origins Federation Conference; 2024 September 11th; Cambridge, UK
16. **Ozturk S. F.**, *A New Spin on the Origin of Biological Homochirality* Oral presentation at: Chirality 2024; 2024 August 28th; Kyoto, Japan
15. **Ozturk S. F.**, *Origin of Biological Homochirality by Crystallization of an RNA Precursor on a Magnetic Surface* Talk at: CISS Seminars organized by Jonas Fransson; 2024 February 28th; Zoom
14. **Ozturk S. F.**, *Origin of Biological Homochirality by Crystallization of an RNA Precursor on a Magnetic Surface* Talk at: The Center for Astrophysics Lunch Seminars; 2023 October 19th; Harvard CfA
13. **Ozturk S. F.**, *Origin of Biological Homochirality by Crystallization of an RNA Precursor on a Magnetic Surface* Chalk Talk Lecture at: Harvard Origins of Life Initiative; 2023 April 6th; Harvard University
12. **Ozturk S. F.**, *Origin of Biological Homochirality by Crystallization of an RNA Precursor on a Magnetic Surface* Talk at: CISS Seminars organized by Jonas Fransson; 2023 March 29th; Zoom
11. **Ozturk S. F.**, Sassellov D. D. *On the Origins of Life's Homochirality in Nature: A New Spin* Poster presented at: Life in the Universe Workshop; 2022 Oct 24-28; Sofia
10. **Ozturk S. F.**, *On the Origins of Life's Homochirality in Nature: A New Spin* Talk at: CISS Seminars organized by Jonas Fransson; 2022 Sept 25th; Zoom
9. **Ozturk S. F.**, *On the Origins of Life's Homochirality in Nature: A New Spin* Oral Presentation at: Bilkent University Department of Physics Seminars; 2022 Sept 8th; Ankara
8. **Ozturk S. F.**, Sassellov D. D. *On the Origins of Life's Homochirality: Inducing Enantiomeric Excess with Spin-Polarized Electrons* Poster virtually presented at: Latsis Symposium 2022: The Origin and Prevalence of Life; 2022 Aug 30-Sept 2; Zurich
7. **Ozturk S. F.**, *On the Origins of Life's Homochirality: Inducing Enantiomeric Excess with Spin-Polarized Electrons* Oral Presentation at: Chirality 2022; 2022 July 20th; Chicago, IL
6. **Ozturk S. F.**, Sassellov D. D. *On the Origins of Life's Homochirality: Inducing Enantiomeric Excess with Spin-Polarized Electrons* Poster virtually presented at: Molecular Origins of Life; 2022 June 16-17; Munich
5. **Ozturk S. F.**, *On the Origins of Life's Homochirality: 5W 1H* Oral presentation at: EGU General Assembly, Life as a Planetary Phenomenon; 2022 May 23-27; Vienna
4. Su L., Groth R., Krahn A. J., Hebert A. H., **Ozturk S. F.**, Phelps G. A., and Greiner M. *Towards single-site imaging of an erbium quantum gas microscope.* Poster virtually presented at: DAMOP; 2021 May 31-June 4
3. Su L., Hebert A. H., Krahn A. J., **Ozturk S. F.**, and Greiner M. *A Proposal for Synthetic Gauge Fields with Erbium in an Optical Lattice.* Poster virtually presented at: DAMOP; 2020 June 1-4
2. **Ozturk S. F.**, Hebert A. H., Krahn A. J., Phelps G. A., and Greiner M. *Towards an Erbium Quantum Gas Microscope.* Poster presented at: Quantum Many-Body Systems Winter School; 2019 Mar 10-16; Arizona.
1. **Ozturk S. F.**, *Orthogonal Functions and Applications of the Sturm-Liouville Theory in Quantum Mechanics* Oral presentation at: Spring Mathematics Meeting; 2018 Feb 24-25; Istanbul

CONFERENCES

7–10 DEC 2026	<i>International Solvay Institutes for Physics and Chemistry</i> ; Brussels, Belgium
8–13 NOV 2026	<i>AVS 72nd International Symposium & Exhibition</i> ; Pittsburgh, Pennsylvania
7–11 SEPT 2025	<i>Origins Federation Conference</i> Flüeli-Ranft, Switzerland
11–12 JUNE 2026	<i>Molecular Origins of Life</i> Munich, Germany
8–12 SEPT 2025	<i>Origins Federation Conference</i> Chicago, IL
22–27 JUNE 2025	<i>Gordon Research Conference on Crystal Growth and Assembly</i> Manchester, NH
12–14 NOV 2024	<i>International Solvay Institutes for Physics and Chemistry</i> , Brussels, Belgium
10–13 SEPT 2024	<i>Origins Federation Conference</i> Cambridge, UK
26–29 AUG 2024	<i>Chirality 2024, 34th International Symposium on Chirality</i> Kyoto, Japan
30 JUNE–5 JULY 2024	<i>The 73rd Lindau Nobel Laureate Meeting in Physics</i> Lindau, Germany
23–28 JUNE 2024	<i>International Conference on Porphyrins and Phthalocyanines</i> Niagara Falls, NY
12–15 SEPT 2023	<i>Workshop: Life in the Universe II</i> Cambridge, MA
10 MARCH 2023	<i>Leverhulme Centre for Life in the Universe Annual Meeting</i> Cambridge, UK
24–28 OCT 2022	<i>Workshop: Life in the Universe</i> Sofia, Bulgaria
30 AUG–2 SEPT 2022	<i>Latsis Symposium 2022: The Origin and Prevalence of Life</i> Zurich (Virtual)
17–20 JULY 2022	<i>Chirality 2022, 32th International Symposium on Chirality</i> Chicago, IL
16–17 JUNE 2022	<i>Molecular Origins of Life</i> Munich (Virtual)
23–27 MAY 2022	<i>European Geophysical Union (EGU) General Assembly</i> Vienna, Austria
25–27 AUGUST 2021	<i>Molecular Origins of Life</i> Munich (Virtual)
10–16 MARCH 2019	<i>ITAMP Quantum Many-Body Systems Winter School</i> , Biosphere 2, AZ
4–8 MARCH 2019	<i>APS March Meeting</i> , Boston, MA
8–10 OCTOBER 2018	<i>ITAMP Quantum Phases of Fermions in Optical Lattices Workshop</i> , Cambridge, MA

SERVICE

1. Reviewer for the following journals, covering a broad range of disciplines: *Nature Communications*, *The Journal of the American Chemical Society*, *The Journal of Chemical Physics*, *Astrobiology*.
2. Lab Safety Officer (LSO), Sasselov Research Group. Responsible for monitoring chemical procurement, usage, and disposal, as well as maintaining lab safety protocols. Duties included troubleshooting instruments, training staff, and ensuring compliance with self-inspection standards.
3. Created and participated in initiatives for public engagement in science (e.g., *Cracking Chirality*), including the production of educational content and open-access lectures on physics and coding through a personal YouTube channel.
4. Organized the Caltech Geological and Planetary Sciences Division seminar series from September 2025 to the present.

COMPUTER SKILLS

Advanced Knowledge: Python, Zemax, CAD (Inventor and Solid Works), MatLab, Mathematica
Basic Knowledge: COMSOL, Verilog, $\text{\LaTeX}$

LANGUAGE SKILLS

TURKISH: Native GERMAN: B1
ENGLISH: Fluent LATIN: 1 Year of Roman Latin

PUBLIC ENGAGEMENT AND SCIENCE OUTREACH

- I have a [YouTube](#) channel with over **90,000 subscribers** and **3.5 million views** that guides young students in pursuing careers in science. I post educational videos on basic physics, coding, and other auxiliary skills. I also participate in meetings and interviews to share my experiences with students from diverse backgrounds and increase their involvement in the basic sciences.
- Participated in [Cracking Chirality](#), a twelve-minute film for a general audience by *Chemistry Shorts*, which explores how the essential molecules of life—such as DNA, RNA, and proteins—acquired their homochiral structures, and how magnetic rocks at the bottom of a prebiotic lake may have set the stage for life as we know it.
- Contributed to the [Unexplainable](#) podcast series by Vox, participating in a discussion on life's homochirality for a general audience.
- Participated in a science outreach project [recorded](#) by Trinity College Cambridge, featuring a discussion on life in the universe with Prof. David Catling.
- Featured in [Mirror Molecules: The Symmetry Rule Life Never Breaks](#), a *Quanta Magazine* video for a general audience that explores the origins of life's broken mirror symmetry and the concept of mirror life.
- Featured in [Exploring the Asymmetry of Life](#), a *Harvard Griffin GSAS* article on my research.
- Participated in [Are we closer to understanding the origins of biological homochirality?](#), a *C&EN* news article on the prebiotic origins of homochirality.
- Featured in *Nature's* news article, [Chemistry Nobel awarded for solving mystery of how 'handed' organic molecules can emerge](#), covering the 2026 Nobel Prize in Chemistry.