



# LUMIERE RESEARCH SCHOLAR PROGRAM





Founded by Harvard & Oxford researchers, the Lumiere Research Scholar Program is a mentored research program for talented students. In the program, students work 1-1 with a researcher from a top university to produce an independent research project.

# WE HELP STUDENTS



Create an independent research paper



Stand out in the admissions process



Build relationships with PhD researchers from top universities



Receive credit from UC San Diego Extension



# LUMIERE BY THE NUMBERS

## 2022-2023 SCHOOL YEAR

**4200+**

Applications

**1400+**

Mentors

**22000+**

Mentoring hours

**62**

Countries

**\$390,000+**

In financial aid

# AVAILABLE AREAS FOR RESEARCH

## STEM

- |                          |                    |               |                |
|--------------------------|--------------------|---------------|----------------|
| • Data Science           | • Computer Science | • Chemistry   | • Architecture |
| • Physics & Astrophysics | • Neuroscience     | • Engineering |                |
| • Biology                | • Medicine         | • Mathematics |                |

## HUMANITIES AND SOCIAL SCIENCES

- |              |                           |              |               |
|--------------|---------------------------|--------------|---------------|
| • Economics  | • International Relations | • History    | • Classics    |
| • Psychology | • Environment Studies     | • Philosophy | • Law         |
| • Business   | • Gender Studies          | • Education  | • Linguistics |

\* Please check **application form** for updated list of topics for the topic focused program

\* Students will also be able to customize their own research topic, if not currently available in the above offerings



# OUR MENTORS

Lumiere has **1400+** mentors from top universities



COLUMBIA  
UNIVERSITY



PRINCETON  
UNIVERSITY



THE UNIVERSITY OF  
CHICAGO



Cornell University



Massachusetts  
Institute of  
Technology



HARVARD  
UNIVERSITY

UCLA



BROWN

Yale



UNIVERSITY OF  
OXFORD

# EXAMPLE MENTOR PROFILES



**CAITLIN NICHOLS**

HARVARD UNIVERSITY

PhD in Biological and  
Biomedical Science

**SPECIALIZATION**

Cancer Genetics,  
CRISPR Gene Editing,  
Molecular Biology



**PRAISE OWOYEMI**

UNIVERSITY OF CALIFORNIA,  
LOS ANGELES

PhD student in Clinical  
Psychology

**SPECIALIZATION**

Psycho-oncology, Clinical  
Psychology, Health  
Psychology



**BHARGAV GOPAL**

COLUMBIA UNIVERSITY

PhD in Economics

**SPECIALIZATION**

Labor Economics, Law  
and Economics,  
Applied Statistics



**SANAH BHIMANI**

YALE UNIVERSITY

PhD candidate in Physics

**SPECIALIZATION**

Cosmology (Evolution of  
the Universe), Exoplanet  
Data Analysis



**SAMUEL LEITER**

MIT UNIVERSITY

PhD candidate in  
International Affairs

**SPECIALIZATION**

Nuclear Proliferation,  
Preventive War, East Asian  
Security, Alliance Politics

APPLICATION DEADLINE & PROGRAM DATES





## PROGRAM TIMELINE

\* This is the timeline for our **Individual and Premium Research programs**. The Lumiere Fellowship will have a distinct extended timeline.



**Week 1:** Meet with mentor and align on a topic



**Week 2-4:** Explore the topic and identify research question



**Week 5-9:** Write research paper with support from research mentor and writing coach



**Week 10-12:** Make final edits and submit paper for final evaluation



**After week 12:** Graduation ceremony and symposium! Students in the Premium Research and Publication Program will continue to meet with their mentor and submit their paper to a journal for publication

Opt to receive 3 units of post-baccalaureate credit from UCSD Extended Studies at the end of the program.

# SELECTED STUDENT PROFILES



OJAS GUPTA



ALEXANDRA GIULIANI



IDA THERESE PRESTEGÅRD HØVIK

**SCHOOL:** Lynbrook High School

**RESEARCH TOPIC:**

Exploring the role of Humanin as a potential preventative and therapeutic in Alzheimer's disease.

**LUMIERE EXPERIENCE:**

"Lumiere paired me up with the perfect mentor, who helped my turn my ambitions of doing research in biology into a reality. The program schedule was extremely flexible, and helped me create two separate projects in our time together. Lumiere and my mentor helped me create concrete projects around my passions and have empowered me to keep pushing the boundaries of science."

*Ojas was the winner of the MIT THINK competition, where he submitted his Lumiere research project.*

**SCHOOL:** International School of Monaco

**RESEARCH TOPIC:**

Cancer mRNA Vaccines as a Promising Approach for Treating Luminal A Breast Cancer.

**LUMIERE EXPERIENCE:**

"With the support of the Lumiere team and my mentor, Dr. Daniel Wilson, I wrote a paper that proposes new possibilities for breast cancer treatments. My project has now led me to get more hands-on experience in the field of cancer research, and I'm excited to be interning this summer in a lab at the Boston Children's Hospital and Harvard Medical School."

*Alexandra's Lumiere research paper will be published in the International Journal of High School Research this year.*

**UNIVERSITY:** Yonsei University

**RESEARCH TOPIC:**

Holding Transnational Corporations to Account: A Comparative Analysis.

**LUMIERE EXPERIENCE:**

"I am in my final year of university, and am currently writing a second bachelor thesis, while also conducting research together with a professor. I thank Lumiere for providing such a comprehensive program through which we could explore and conduct research of our own. My research mentor was such a pleasure to work with. She provided helpful advice and feedback, while also successfully keeping me from straying too far from my topic when I carried out my research. These meetings combined with the various workshops and many available resources, such as the writing center, made the Lumiere program an unforgettable experience."

*Ida's Lumiere research paper was published in the Yale Review of International Studies.*

# SELECTED STUDENT PROFILES



LILY ASHRAF



RIYA MAIYA



THÉO ABRAMO

**UNIVERSITIES ACCEPTED TO:**

Princeton University

**RESEARCH TOPIC:**

How can the standard model of particle physics be consistently extended to include additional light-matter fields, and how might such fields explain dark matter?

**LUMIERE EXPERIENCE:**

"Lumiere truly helped me a lot! The admissions office at Princeton called my mentor and asked him questions about me. Because the university values research a lot, I got in! Thank you so much because with this program and this chance I would never ever be able to attend and get a full ride."

**UNIVERSITIES ACCEPTED TO:**

University of Pennsylvania

**RESEARCH TOPIC:**

What were the initial conditions of the universe that permitted the growth of the structures we see today?

**LUMIERE EXPERIENCE:**

"I touched on my experience at Lumiere when explaining my previous background with the subject I was applying for, to show demonstrated interest. I also used the recommendation letter to apply to all the universities. I was accepted ED into Penn, and I'm so so happy about it (it was my top choice), and I couldn't have gotten here without your help. The Lumiere Team really helped me narrow down exactly what I was interested in, learn more about it, and gave me a great experience to showcase to universities."

**UNIVERSITIES ACCEPTED TO:**

University of California at Berkeley

**RESEARCH TOPIC:**

The impact of USA's and China's AI advancement on the European market, and its role in reshaping global power dynamics

**LUMIERE EXPERIENCE:**

"Alongside the guidance of my mentor, an MIT Political Science Ph.D. candidate, I published a paper exploring the US-China-EU tripartite relationship in the realms of artificial intelligence. Thanks to Lumiere's incredibly flexible program, I was able to have weekly meetings with my mentor and take part in other Lumiere workshops while still balancing my other engagements in school. Lumiere has made navigating the complex world of academia an amazing experience and would recommend it to any motivated student."

# PUBLICATIONS AND COMPETITIONS

Lumiere alumni have been published in top high school and college-level journals and excelled at competitions. Here are some of their successes!



## OJAS

“Exploring the role of humanin as a potential preventative and therapeutic in Alzheimer’s disease”

*Winner of MIT THINK competition*



## SALIL

“To what extent have emerging social movements caused politicians to respond with effective social change?”

*Winner of LSE Undergraduate Political Review’s Annual Essay Competition*



## IDA

“Holding Transnational Corporations to Account: A Comparative Analysis”

*Published in The Yale Review of International Studies*



## JUSTIN

“What public political attitudes make countries prone to democratic backsliding?”

*Featured on the Brown Journal of World Affairs podcast*



## ANNA

“How the CRISPR-Cas9 Gene Editing Complex Can Be Used to Treat Human Immunodeficiency Virus 1 and Sickle Cell Disease with Immune Cell Therapies and Genetic Engineering with Insight Into its Societal Impacts”

*Published in Intersect: The Stanford Journal of Science, Technology, and Society*



## SHAUNAK

“Using Neural Networks to Accurately predict Electrical energy within Point-Absorbers”

*ISEF Regeneron national finalist; first place in regional ISEF fair*

# LUMIERE ALUMNI AND COLLEGE ADMISSIONS

In the 2022–2023 admissions cycle, Lumiere alumni were accepted to undergraduate degrees at every single Ivy League university, Stanford, UC Berkeley, Oxford and Cambridge. This includes



7  
YALE  
acceptances



9  
UPENN  
acceptances



4  
STANFORD  
acceptances



15  
CORNELL  
acceptances



8  
COLUMBIA  
acceptances



17  
UC BERKELEY  
acceptances

A survey to more than 340 alumni that applied to universities in 2022–23 showed that 20% of Lumiere alumni who applied to an Ivy League university or Stanford got in – that is **4X** higher than the general rate of acceptance at these universities!

-  Students that did the Lumiere Research Scholar Program through the help of our financial aid program got into Princeton, Dartmouth and the University of Pennsylvania (with significant financial aid offers).
-  Lumiere alumni received scholarships worth more than an estimated 1 million USD such as the Trustee Scholarship at the University of Southern California (full ride), full scholarships to the University of Toronto, the Zollman Scholarship at Smith College (college's highest scholarship) and the Presidential Scholarship at Bryn Mawr College.

# PROGRAMS OFFERED

	 INDIVIDUAL RESEARCH PROGRAM	 PREMIUM RESEARCH & PUBLICATION PROGRAM	 LUMIERE RESEARCH FELLOWSHIP
Individual sessions with mentor	9	15	30
Individual sessions with writing coach	2	4	6-8
Individual sessions with publication specialist	-	4	4
Program oversight from Lumiere program manager	✓	✓	✓
Goal output	College-level academic paper	Publication in high-school or college-level journal*	Highly selective research competition or publication*
Cost & Duration *US Dollar	<b>\$2990 USD</b> 12 weeks	<b>\$5900 USD</b> 3-4 months research time, 1-4 months publication time	<b>\$8900 USD</b> 6-12 months

\*No academically rigorous program can or should promise publication. We provide support for 3 rounds of submission to selective high-school or college-level journals.

# LUMIERE RESEARCH INCLUSION FOUNDATION

In 2022, we officially launched a 501(c)(3) non-profit, the Lumiere Research Inclusion Foundation, that provides free high-quality research opportunities to talented, financially disadvantaged students.

## What We Do

At the Foundation, we pair talented high school students with volunteer PhD mentors to do the Individual Research Program at no cost.

## Our Impact

35

Countries expanded outreach to



1500+

Applications in the past year



175

Students supported through aid



I hope that you can join us on this journey - if you work with talented students from low-income backgrounds, please get in touch with us!

Here is the application form to become a Breakthrough Scholar at the Lumiere Research Inclusion Foundation:  
<https://airtable.com/shrWKcNSHjd4V2veV>

You can find more information on our website:  
<https://lumiere.foundation/>

# APPLICATION DEADLINE & PROGRAM DATES

## FALL 2024

 Application Deadline

25<sup>th</sup> Aug, 2024

 Cohort Timing

16<sup>th</sup> Sept, 2024

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## WINTER 2024

 Application Deadline

24<sup>th</sup> Nov, 2024

 Cohort Timing

16<sup>th</sup> Dec, 2024

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## SPRING 2025

 Application Deadline

9<sup>th</sup> February, 2025

 Cohort Timing

3<sup>rd</sup> March, 2025

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## SUMMER 2025

 Application Deadline

Early Admission:

9<sup>th</sup> February, 2025

Regular Admission 1:

13<sup>th</sup> April, 2025

Priority Admission:

9<sup>th</sup> March, 2025

Regular Admission 2:

11<sup>th</sup> May, 2025

 Cohort Timing

2<sup>nd</sup> June, 2025

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## SUMMER II 2025

 Application Deadline

23<sup>rd</sup> June, 2025

 Cohort Timing

14<sup>th</sup> July, 2025

# APPLICATION TIMELINE



**Application:**  
Fill out an online application before the deadline



**Interview:**  
Shortlisted students will be scheduled for an interview



**Mentor Match:**  
Selected students will be matched with a mentor in their area of research interest



Start the program!





To learn more or schedule a private info session, please reach out to us at [admissions@lumiere.education](mailto:admissions@lumiere.education).

 [www.lumiere-education.com](http://www.lumiere-education.com)

 [@lumiere\\_edu\\_](https://twitter.com/lumiere_edu)

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