# Advanced Global Research Program (AGRP)

**AGRP Research 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.

**AGM INSTITUTE**

# WE HELP STUDENTS

Create an independent research paper

Demonstrate advanced work in their field of interest

Stand out in the admissions process

Build relationships with PhD researchers from top universities

Build critical thinking & problem solving skills

# AGRP 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!**

# EXPLORE AVAILABLE AREAS FOR RESEARCH

## STEM

- Data Science
- Physics & Astrophysics
- Biology

- Computer Science
- Neuroscience
- Medicine

- Chemistry
- Engineering
- Mathematics

- Architecture

## HUMANITIES AND SOCIAL SCIENCES

- Economics
- Psychology
- Business

- International Relations
- Environment Studies
- Gender Studies

- History
- Philosophy
- Education

- Classics
- Law
- Linguistics
- Sociology

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

# SAMPLE PROGRAM 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 the 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 AGRP(II)
Program will continue to meet with their mentor and submit their paper to a journal for publication

*This is the timeline for our AGRP(I) & AGRP(II) programs. The AGRP(III) will have a distinct extended timeline.

# MAJOR PUBLICATIONS AND COMPETITIONS

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

## SHAUNAK

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

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

## JUSTIN

"What public political attitudes make countries prone to democratic backsliding?"

*Featured on the Brown Journal of World Affairs podcast*

## OJAS

"Exploring the role of humanin as a potential preventative and therapeutic in Alzheimer's disease"

*Winner of MIT THINK competition*

## ANNA

"How the CRISPR-Cas9 Gene Editing Complex Can Be Used to Treat Human ImmunodeficiencyVirus 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*

## ZUNIAN

"Cap or No Cap? What Can Governments Do to Promote Electric Vehicle Sales"

*Published in the Cornell Undergraduate Economic Review*

## 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*

# EXAMPLE MENTOR PROFILES

## SAMUEL
**MIT UNIVERSITY**
PhD in international affairs

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

## BHARGAV
**COLUMBIA UNIVERSITY**
PhD in Economics

**SPECIALIZATION**
Labor Economics, Law and Economics, Applied Statistics

## CAITLIN
**HARVARD UNIVERSITY**
PhD in Biological and Biomedical Science

**SPECIALIZATION**
Cancer Genetics, CRISPR Gene Editing, Molecular Biology

## SANAH
**YALE UNIVERSITY**
PhD in Physics

**SPECIALIZATION**
Cosmology (Evolution of the Universe), Exoplanet Data Analysis

## PRAISE
**UNIVERSITY OF CALIFORNIA, LOS ANGELES**
PhD in Clinical Psychology

**SPECIALIZATION**
Psycho-oncology, Clinical Psychology, Health Psychology

# OUR MENTOR
**AGM Institute** has 750 + mentors from top universities

COLUMBIA UNIVERSITY    PRINCETON UNIVERSITY    THE UNIVERSITY OF CHICAGO    Cornell University

MIT Massachusetts Institute of Technology    HARVARD UNIVERSITY    UCLA    BROWN

Yale    UNIVERSITY OF OXFORD

# AGRP(III) STUDENT PROFILES

## OJAS

**Ojas was the winner of the MIT THINK competition**

SCHOOL: Lynbrook High School

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

## ALEXANDRA

**Alexandra's research paper was published in the International Journal of High School Research**

SCHOOL: International School of Monaco

RESEARCH TOPIC:
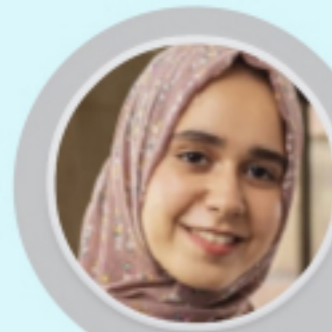Cancer mRNA Vaccines as a Promising Approach for Treating Luminal A Breast Cancer

## ZUNIAN

**Zunian's research paper was published by Cornell University's Undergraduate Economic review**

SCHOOL: Weston High School

RESEARCH TOPIC:
What can governments do to encourage environmentally friendly actions? Two case studies from the seaweed and EV market.

## LILY

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?

## RIYA

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?

## THEO

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

# AGM INSTITUTE

To learn more or schedule a private info session,
please reach out to us at admissions@agminstitute.org

# www.agminstitute.org