MIT PRIMES is a free, year-long after-school research program for high school students, offering projects in mathematics, computer science, and computational biology. This is the only program in the United States that gives students an opportunity to pursue serious research in a university setting at a natural pace, over the period of one year, under the guidance of academic mentors.

- In 2011-2020, **388 research projects** completed by PRIMES students;
- All projects presented at **ten annual PRIMES conferences**;
- **25 students** received **Outstanding Presentation awards** at MAA Undergraduate Student Poster sessions of Joint Mathematics Meetings;
- **One 1st, three 2nd, three 3rd, and two 4th Grand Awards** at Regeneron/Intel ISEF;
- **1st Prize** ($100K scholarship), **four 2nd Prizes** ($50K), **two 4th Prizes** ($30K), **two 4th Prizes** ($20K), **2 national finalists** ($25K), **28 regional finalists**, and **57 semifinalists** at Siemens Competition;
- **Two 1st Places** ($150K/$250K), **three 2nd Places** ($75K/$175K), **two 3rd Places** ($35K/$50K), **three 4th Places** ($40K/$100K), **6th Place** ($80K), **two 7th Places** ($70K), **9th Place** ($50K), **10th Place** ($20K), **26 national finalists**, and **85 national semifinalists/scholars** at Intel/Regeneron STS;
- **4 Davidson Fellow Laureates** ($50K), **11 Davidson fellows** ($25K/10K), and **8 hon. mentions**;
- **19 USA and Global finalists/medalists** and **19 USA semifinalists** at Yau Science Award.
PRIMES IN 2021

Currently 55 local PRIMES students are working on individual and group research projects and studying in reading groups in mathematics, computer science, and physical and computational biology. PRIMES-USA, a distance-mentoring research section for out-of-state students, has 23 students. We have established partnerships with CUNY – City College, SJSU, University of Illinois at Chicago, and MathWorks, which provide projects for several PRIMES students. PRIMES Circle, a math enrichment section for students with disadvantaged backgrounds from local high schools, has 23 students. The total number of students has reached 101, including 36 girls.

PRIMES Circle students making an expository presentation at MIT, May 2017

SPONSORS

PRIMES acknowledges generous support from MIT Mathematics Department, MIT EECS Department, National Science Foundation, Quanta Computer, MathWorks, EHA Foundation, Webster Foundation, Hamilton Foundation, Rosenbaum Foundation, and individual donors. PRIMES is currently seeking funding for the 2021 cycle from sources both within and outside MIT. Please contact PRIMES Program Director Dr. Slava Gerovitch at <primes@math.mit.edu>.

PROGRAM COORDINATORS

Prof. Pavel Etingof, Mathematics  Prof. Srini Devadas, Computer Science  Dr. Slava Gerovitch, Director