

WEBVTT

00:00:09.217 --> 00:00:11.636 - The Yale BioMed Amgen Scholars Program

00:00:11.636 --> 00:00:15.598 is a nine week summer research experience for undergraduates

00:00:15.598 --> 00:00:18.852 who are interested in pursuing careers in biomedical research

00:00:19.227 --> 00:00:24.441 and it really focuses on providing students with the laboratory experience,

00:00:24.441 --> 00:00:26.484 mentorship, and professional skills that they'll need

00:00:26.609 --> 00:00:30.363 to have a successful career as a physician-scientist or scientist.

00:00:30.572 --> 00:00:34.075 - We have peer mentors who work with the students to develop skills

00:00:34.242 --> 00:00:37.871 and also provide a network that lasts far beyond the program.

00:00:38.329 --> 00:00:41.332 - And the BioMed Amgen Program is housed in the School of Medicine itself

00:00:41.332 --> 00:00:45.295 so we get to live with the MD-PhD students and the graduate students live.

00:00:45.336 --> 00:00:47.881 So we are really a part of the graduate school community here.

00:00:49.716 --> 00:00:51.342 - The program has done a wonderful job

00:00:51.342 --> 00:00:53.636 of collecting individuals from all different walks of life,

00:00:53.636 --> 00:00:55.805 and being able to hear from their stories

00:00:55.805 --> 00:00:59.225 and hear their aspirations, and how that has inspired them to pursue

00:00:59.350 --> 00:01:02.645 medicine or research has been very interesting to see,

00:01:02.645 --> 00:01:03.772 and I think personally,

00:01:03.772 --> 00:01:07.150 it's been a wonderful opportunity not only to conduct research with faculty

00:01:07.150 --> 00:01:08.109 that are very respected,

00:01:08.109 --> 00:01:11.821 but also to meet peers who are just as driven and passionate about things

00:01:11.863 --> 00:01:12.697 I care about as well.

00:01:18.953 --> 00:01:22.165 - This program has really allowed me to become fully immersed

00:01:22.165 --> 00:01:24.501 in the work and the culture

00:01:24.751 --> 00:01:27.545 of an academic research lab, and it's given me the chance

00:01:27.545 --> 00:01:32.050 to really make meaningful contributions to really exciting, cutting edge research.

00:01:33.760 --> 00:01:38.807 - Currently, the most popular research interests areas for our applicants

00:01:38.807 --> 00:01:43.478 have been neuroscience, immunobiology, and cancer biology.

00:01:43.686 --> 00:01:47.065 But we also have students that come and participate in things like

00:01:47.065 --> 00:01:52.070 developmental and structural biology in addition to biomedical engineering projects.

00:01:52.070 --> 00:01:55.782 - So for me, I've got to learn different techniques and also gotten the opportunity

00:01:55.782 --> 00:01:59.244 to shadow different people doing things that I've never seen before.

00:02:00.912 --> 00:02:04.624 - It's also great to be able to practice presenting research,

00:02:04.624 --> 00:02:07.627 because not only in our final presentation

00:02:07.752 --> 00:02:11.256 will we get to do a flash talk and a poster presentation,

00:02:11.256 --> 00:02:13.758 but I've also done a presentation within my lab.

00:02:13.758 --> 00:02:16.719 There's been a lot of opportunities for me to practice

00:02:16.719 --> 00:02:21.182 and refine and really get better at presenting the science.

00:02:24.853 --> 00:02:27.147 - Primarily because it's research intensive,

00:02:27.147 --> 00:02:31.067 a majority of the time the students spend working in labs.

00:02:31.067 --> 00:02:36.156 But we recognize for them to be successful as scientists or physician-scientists,

00:02:36.281 --> 00:02:38.616 we need to give them some additional skills.

00:02:38.616 --> 00:02:42.745 So we do have a didactic curriculum that provides them with the knowledge

00:02:42.745 --> 00:02:44.873 and skill sets that they would need to be

00:02:44.873 --> 00:02:48.835 successful in applying for either a PhD or MD-PhD program.

00:02:48.877 --> 00:02:50.378 - They do weekly journal clubs.

00:02:50.378 --> 00:02:54.299 So essentially we've been able to, you know, read papers that have revolutionized

00:02:54.465 --> 00:02:55.633 their respective fields.

00:02:55.633 --> 00:02:58.845 And one of the nice things is that we not only just read these papers,

00:02:59.095 --> 00:03:02.098 but we also get to present parts of the paper to our peers.

00:03:03.391 --> 00:03:05.768 - Everyone Wednesday, there's a career development talk.

00:03:05.768 --> 00:03:09.063 The conversations they have typically span things like

00:03:09.063 --> 00:03:11.941 how to deal with imposter syndrome, or how to write an abstract,

00:03:11.941 --> 00:03:15.862 how to apply to medical school or PhD programs, things of that nature.

00:03:17.238 --> 00:03:20.074 - And then we also have the faculty talks here at Yale,

00:03:20.074 --> 00:03:22.827 where we get to hear from various Yale faculty,

00:03:22.827 --> 00:03:24.913 including current MD-PhD students.

00:03:25.205 --> 00:03:30.251 - And then we also have opportunities for clinical engagement

00:03:30.251 --> 00:03:34.214 for students that are considering pursuing an MD-PhD degree.

00:03:39.302 --> 00:03:44.766 - We recognize that mentorship is very important for having a successful scientific career.

00:03:44.766 --> 00:03:47.435 So we provide mentorship on many different levels.

00:03:48.353 --> 00:03:52.065 In addition to the faculty research mentor that they have,

00:03:52.065 --> 00:03:56.986 we also have current MD-PhD, and PhD students that serve as peer mentors

00:03:56.986 --> 00:03:59.614 and they're a very integral part of the program.
00:03:59.614 --> 00:04:02.742 These relationships lasts way beyond the program,
00:04:02.742 --> 00:04:05.703 and they really create that network in the sense
of community.
00:04:07.956 --> 00:04:10.291 - When I first applied to these summer programs
00:04:10.291 --> 00:04:11.626 and then to MD-PhD programs,
00:04:11.626 --> 00:04:15.129 I didn't really see someone who'd be like me or
have qualities like mine
00:04:15.129 --> 00:04:18.132 where I could be like, you know, I could see myself
doing this long term.
00:04:18.424 --> 00:04:22.011 And so now being on the other side, I kind of
enjoy being that point person,
00:04:22.011 --> 00:04:24.222 answer any questions that there might be
00:04:24.222 --> 00:04:26.182 in terms of like the application process, you know,
00:04:26.182 --> 00:04:27.809 should I apply to this conference or the other?
00:04:27.809 --> 00:04:30.228 Like what should my abstract look like, which my
post should look like?
00:04:30.228 --> 00:04:31.562 How should I present myself?
00:04:31.562 --> 00:04:33.648 It's game changing. It's like it's incredible.
00:04:33.648 --> 00:04:37.193 - I've had an incredible experience working with
my mentor,
00:04:37.235 --> 00:04:41.155 so it's been wonderful to be able to see firsthand
what life could look like
00:04:41.155 --> 00:04:42.156 a few years from now.
00:04:42.156 --> 00:04:45.326 - We actually involve the students families in the
program.
00:04:45.326 --> 00:04:48.663 So from the very start, we've been able to invite
a family member
00:04:48.788 --> 00:04:53.251 to travel to Yale and see the students present their
research In the final symposium.
00:04:53.251 --> 00:04:56.587 The family members get to see the accomplish-
ments of the student,
00:04:56.921 --> 00:05:00.758 but they also meet with other people who are
equally excited about science.

00:05:04.387 --> 00:05:06.681 - I would recommend this program to someone else because

00:05:06.681 --> 00:05:09.726 it has provided me a clear answer on what I want to do in my life

00:05:09.934 --> 00:05:11.602 and what I want to go forward with

00:05:11.602 --> 00:05:14.147 in my graduate school career and my undergrad career.

00:05:14.147 --> 00:05:17.108 - Programs like this are really helpful

00:05:17.108 --> 00:05:21.362 to get the message out there that people who look like me,

00:05:21.362 --> 00:05:24.073 and who come from backgrounds that are similar to mine,

00:05:24.073 --> 00:05:27.285 do have a place in scientific research.

00:05:29.954 --> 00:05:33.458 - It's really hard to be it if you've never seen it.

00:05:33.624 --> 00:05:37.003 This is an opportunity for a lot of kids to see what it means to be

00:05:37.295 --> 00:05:39.630 doing biomedical research at a place like Yale.

00:05:40.965 --> 00:05:43.301 They come here sometimes a bit scared,

00:05:43.301 --> 00:05:45.136 and I think what makes me happiest is they leave

00:05:45.136 --> 00:05:47.430 and they are convinced that they belong here.