

WEBVTT

NOTE duration: "00:04:39.936"

NOTE Confidence: 0.98659

00:00:04.480 --> 00:00:06.640 Physician scientists are unique because

NOTE Confidence: 0.98659

00:00:06.640 --> 00:00:08.340 they've spent a long time

NOTE Confidence: 0.9998449

00:00:09.119 --> 00:00:09.619 observing

NOTE Confidence: 0.9997533

00:00:10.480 --> 00:00:11.219 the unknown

NOTE Confidence: 0.9964922

00:00:11.599 --> 00:00:12.960 and trying to learn how

NOTE Confidence: 0.9964922

00:00:12.960 --> 00:00:14.580 to solve mysteries and problems.

NOTE Confidence: 0.9964922

00:00:14.719 --> 00:00:15.735 So what I hope is

NOTE Confidence: 0.9964922

00:00:15.735 --> 00:00:17.515 that when they become physicians

NOTE Confidence: 0.9964922

00:00:17.655 --> 00:00:18.855 taking care of patients that

NOTE Confidence: 0.9964922

00:00:18.855 --> 00:00:20.795 they'll bring that scientific approach

NOTE Confidence: 0.9974887

00:00:21.175 --> 00:00:22.155 to each patient.

NOTE Confidence: 0.9316885

00:00:27.190 --> 00:00:29.430 Our MD PhD students make

NOTE Confidence: 0.9316885

00:00:29.430 --> 00:00:31.270 up about twenty percent of

NOTE Confidence: 0.9316885

00:00:31.270 --> 00:00:33.270 our entering MD class. So

NOTE Confidence: 0.9316885

00:00:33.270 --> 00:00:34.710 they're a real presence in
NOTE Confidence: 0.9316885
00:00:34.710 --> 00:00:35.370 the university.
NOTE Confidence: 0.9744836
00:00:36.229 --> 00:00:37.930 Our medical school is embedded
NOTE Confidence: 0.9744836
00:00:38.070 --> 00:00:39.625 in our research enterprise So
NOTE Confidence: 0.9744836
00:00:39.625 --> 00:00:41.225 the students are learning from
NOTE Confidence: 0.9744836
00:00:41.225 --> 00:00:42.204 physician scientists,
NOTE Confidence: 0.9680492
00:00:42.905 --> 00:00:44.765 being mentored by physician scientists,
NOTE Confidence: 0.998756
00:00:45.225 --> 00:00:46.425 and seeing a lot of
NOTE Confidence: 0.998756
00:00:46.425 --> 00:00:46.925 other
NOTE Confidence: 0.9951457
00:00:47.464 --> 00:00:49.065 peers who are basically engaged
NOTE Confidence: 0.9951457
00:00:49.065 --> 00:00:49.945 in the kind of work
NOTE Confidence: 0.9951457
00:00:49.945 --> 00:00:51.245 that they hope to do.
NOTE Confidence: 0.90519
00:00:52.824 --> 00:00:54.204 I think what really
NOTE Confidence: 0.9742902
00:00:54.570 --> 00:00:56.010 sets a program apart is
NOTE Confidence: 0.9742902
00:00:56.010 --> 00:00:57.230 the quality of the mentorship
NOTE Confidence: 0.9742902
00:00:57.530 --> 00:00:58.650 and the quality of the

NOTE Confidence: 0.9742902
00:00:58.650 --> 00:00:59.390 peer connection.
NOTE Confidence: 0.9510531
00:00:59.930 --> 00:01:01.690 In terms of mentors, physician
NOTE Confidence: 0.9510531
00:01:01.690 --> 00:01:03.290 scientist mentors at Yale are
NOTE Confidence: 0.9510531
00:01:03.290 --> 00:01:04.569 all over the place, spanning
NOTE Confidence: 0.9510531
00:01:04.569 --> 00:01:05.310 every department.
NOTE Confidence: 0.986149
00:01:05.610 --> 00:01:07.370 And they're really invested in
NOTE Confidence: 0.986149
00:01:07.370 --> 00:01:08.350 trainee success.
NOTE Confidence: 0.98621345
00:01:09.225 --> 00:01:10.744 I've been pretty impressed by
NOTE Confidence: 0.98621345
00:01:10.744 --> 00:01:11.784 the fact that in the
NOTE Confidence: 0.98621345
00:01:11.784 --> 00:01:12.604 first year,
NOTE Confidence: 0.9818471
00:01:12.905 --> 00:01:13.865 the people who are actually
NOTE Confidence: 0.9818471
00:01:13.865 --> 00:01:15.244 giving our med school lectures
NOTE Confidence: 0.9818471
00:01:15.384 --> 00:01:16.744 are people at the forefront
NOTE Confidence: 0.9818471
00:01:16.744 --> 00:01:17.305 of their field.
NOTE Confidence: 0.97398704
00:01:17.944 --> 00:01:19.064 And it's impressive that they
NOTE Confidence: 0.97398704

00:01:19.064 --> 00:01:20.505 give away their time to
NOTE Confidence: 0.97398704

00:01:20.505 --> 00:01:21.545 people who are so early
NOTE Confidence: 0.97398704

00:01:21.545 --> 00:01:22.680 in their career like us.
NOTE Confidence: 0.97398704

00:01:22.760 --> 00:01:23.640 But I think that allows
NOTE Confidence: 0.97398704

00:01:23.640 --> 00:01:24.600 us to like really jump
NOTE Confidence: 0.97398704

00:01:24.600 --> 00:01:25.100 ahead.
NOTE Confidence: 0.9804415

00:01:26.440 --> 00:01:27.800 Not all institutions have this.
NOTE Confidence: 0.9804415

00:01:27.800 --> 00:01:29.240 Right? Not all institutions are
NOTE Confidence: 0.9804415

00:01:29.240 --> 00:01:30.680 this collaborative and this sort
NOTE Confidence: 0.9804415

00:01:30.680 --> 00:01:32.280 of invested really in the
NOTE Confidence: 0.9804415

00:01:32.280 --> 00:01:33.500 learning and in the scientific
NOTE Confidence: 0.96087885

00:01:34.200 --> 00:01:36.165 quest. And, it something that's
NOTE Confidence: 0.96087885

00:01:36.165 --> 00:01:37.465 very special about this place.
NOTE Confidence: 0.9521164

00:01:42.244 --> 00:01:43.765 Our MD PhD program is
NOTE Confidence: 0.9521164

00:01:43.765 --> 00:01:45.444 a little bit unusual because
NOTE Confidence: 0.9521164

00:01:45.444 --> 00:01:46.485 not only do we have

NOTE Confidence: 0.9521164

00:01:46.485 --> 00:01:47.845 students who are pursuing their

NOTE Confidence: 0.9521164

00:01:47.845 --> 00:01:49.125 PhDs within the school of

NOTE Confidence: 0.9521164

00:01:49.125 --> 00:01:49.625 medicine

NOTE Confidence: 0.97262955

00:01:50.159 --> 00:01:50.979 in the biomedical

NOTE Confidence: 0.9978511

00:01:51.280 --> 00:01:51.939 and biological

NOTE Confidence: 0.76912045

00:01:52.240 --> 00:01:52.740 sciences.

NOTE Confidence: 0.97464675

00:01:53.200 --> 00:01:54.479 But we also have students

NOTE Confidence: 0.97464675

00:01:54.479 --> 00:01:55.520 who are doing their degrees

NOTE Confidence: 0.97464675

00:01:55.520 --> 00:01:57.600 in biomedical engineering. Right? Not

NOTE Confidence: 0.97464675

00:01:57.600 --> 00:01:59.119 so far fetched, but we

NOTE Confidence: 0.97464675

00:01:59.119 --> 00:02:00.960 have students completing PhDs in

NOTE Confidence: 0.97464675

00:02:00.960 --> 00:02:01.860 applied mathematics,

NOTE Confidence: 0.93593043

00:02:02.560 --> 00:02:02.985 physics,

NOTE Confidence: 0.94659394

00:02:03.545 --> 00:02:04.045 chemistry.

NOTE Confidence: 0.9652989

00:02:04.585 --> 00:02:05.625 We have students in the

NOTE Confidence: 0.9652989

00:02:05.625 --> 00:02:07.065 school of public health but
NOTE Confidence: 0.9652989

00:02:07.065 --> 00:02:08.905 also doing their PhDs in
NOTE Confidence: 0.9652989

00:02:08.905 --> 00:02:10.745 social sciences, history of science
NOTE Confidence: 0.9652989

00:02:10.745 --> 00:02:11.405 and medicine,
NOTE Confidence: 0.93464816

00:02:11.865 --> 00:02:13.945 anthropology and even economics and
NOTE Confidence: 0.93464816

00:02:13.945 --> 00:02:14.925 religious studies.
NOTE Confidence: 0.92479706

00:02:15.544 --> 00:02:16.845 So this is an incredible
NOTE Confidence: 0.92479706

00:02:16.905 --> 00:02:17.280 breadth
NOTE Confidence: 0.90520984

00:02:17.760 --> 00:02:19.220 of PhD disciplines.
NOTE Confidence: 0.98692423

00:02:20.000 --> 00:02:21.200 And I think that for
NOTE Confidence: 0.98692423

00:02:21.200 --> 00:02:22.160 the students who are in
NOTE Confidence: 0.98692423

00:02:22.160 --> 00:02:23.919 our program, it creates this
NOTE Confidence: 0.98692423

00:02:23.919 --> 00:02:25.680 idea that a physician scientist
NOTE Confidence: 0.98692423

00:02:25.680 --> 00:02:26.819 can really touch
NOTE Confidence: 0.9912488

00:02:27.440 --> 00:02:28.880 on medicine in so many
NOTE Confidence: 0.9912488

00:02:28.880 --> 00:02:29.380 levels.

NOTE Confidence: 0.9847037

00:02:29.840 --> 00:02:30.800 I think a lot of

NOTE Confidence: 0.9847037

00:02:30.800 --> 00:02:32.245 the uniqueness in the MD

NOTE Confidence: 0.9847037

00:02:32.245 --> 00:02:34.725 PhD program comes from, something

NOTE Confidence: 0.9847037

00:02:34.725 --> 00:02:36.025 we call the Yale system

NOTE Confidence: 0.9847037

00:02:36.085 --> 00:02:37.225 in the MD curriculum.

NOTE Confidence: 0.9769743

00:02:37.764 --> 00:02:39.525 The Yale system basically is

NOTE Confidence: 0.9769743

00:02:39.525 --> 00:02:41.525 this educational philosophy that says,

NOTE Confidence: 0.9769743

00:02:41.525 --> 00:02:42.885 alright. If we've admitted you

NOTE Confidence: 0.9769743

00:02:42.885 --> 00:02:44.345 to this program, you're

NOTE Confidence: 0.9845313

00:02:44.680 --> 00:02:46.440 a professional adult learner, and

NOTE Confidence: 0.9845313

00:02:46.440 --> 00:02:47.740 you have all these incredible

NOTE Confidence: 0.9845313

00:02:47.800 --> 00:02:49.320 resources around you. It should

NOTE Confidence: 0.9845313

00:02:49.320 --> 00:02:50.540 be left up to you,

NOTE Confidence: 0.99556196

00:02:51.080 --> 00:02:52.280 to decide what's the best

NOTE Confidence: 0.99556196

00:02:52.280 --> 00:02:53.320 way I can make use

NOTE Confidence: 0.99556196

00:02:53.320 --> 00:02:54.300 of those resources.
NOTE Confidence: 0.9806437

00:02:56.440 --> 00:02:58.954 It's very much not cutthroat
NOTE Confidence: 0.9806437

00:02:59.174 --> 00:03:00.794 at all, which is unusual
NOTE Confidence: 0.9806437

00:03:00.935 --> 00:03:02.454 for a medical school in
NOTE Confidence: 0.9806437

00:03:02.454 --> 00:03:04.294 general, much less one of
NOTE Confidence: 0.9806437

00:03:04.294 --> 00:03:05.194 Yale caliber.
NOTE Confidence: 0.9908048

00:03:05.974 --> 00:03:06.474 And
NOTE Confidence: 0.97503746

00:03:06.935 --> 00:03:08.135 they really want us to
NOTE Confidence: 0.97503746

00:03:08.135 --> 00:03:09.974 work together and kind of
NOTE Confidence: 0.97503746

00:03:09.974 --> 00:03:11.355 explore our own interests,
NOTE Confidence: 0.99736154

00:03:11.730 --> 00:03:13.190 And they do that by
NOTE Confidence: 0.9209629

00:03:13.970 --> 00:03:15.909 not ranking us and
NOTE Confidence: 0.9404928

00:03:16.209 --> 00:03:16.709 also
NOTE Confidence: 0.9889044

00:03:17.409 --> 00:03:18.769 encouraging us to kind of
NOTE Confidence: 0.9889044

00:03:18.769 --> 00:03:19.269 follow
NOTE Confidence: 0.9918225

00:03:20.049 --> 00:03:21.970 what we like and not

NOTE Confidence: 0.9918225
00:03:21.970 --> 00:03:23.090 just what's going to be
NOTE Confidence: 0.9918225
00:03:23.090 --> 00:03:23.909 on a test.
NOTE Confidence: 0.99235857
00:03:25.345 --> 00:03:25.945 I think if you have
NOTE Confidence: 0.99235857
00:03:25.945 --> 00:03:27.125 a high degree of agency,
NOTE Confidence: 0.99235857
00:03:27.185 --> 00:03:29.264 it's the best place for
NOTE Confidence: 0.99235857
00:03:29.264 --> 00:03:30.485 you. You can kind
NOTE Confidence: 0.9720132
00:03:31.185 --> 00:03:32.385 of walk any sort of
NOTE Confidence: 0.9720132
00:03:32.385 --> 00:03:33.185 path that you want to
NOTE Confidence: 0.9720132
00:03:33.185 --> 00:03:34.165 do here, and
NOTE Confidence: 0.96441346
00:03:34.465 --> 00:03:36.065 the administration and, like, other
NOTE Confidence: 0.96441346
00:03:36.065 --> 00:03:37.584 teachers are kind of excited
NOTE Confidence: 0.96441346
00:03:37.584 --> 00:03:38.224 to see him as someone
NOTE Confidence: 0.96441346
00:03:38.224 --> 00:03:39.105 who's gung ho and, like,
NOTE Confidence: 0.96441346
00:03:39.105 --> 00:03:39.905 has a little bit of
NOTE Confidence: 0.96441346
00:03:39.905 --> 00:03:41.125 fire in their eyes to
NOTE Confidence: 0.96441346

00:03:41.160 --> 00:03:42.120 pick up a project that
NOTE Confidence: 0.96441346

00:03:42.120 --> 00:03:43.340 they're really interested in.
NOTE Confidence: 0.960647

00:03:44.680 --> 00:03:45.960 That's the excitement for me
NOTE Confidence: 0.960647

00:03:45.960 --> 00:03:46.680 is is that when you
NOTE Confidence: 0.960647

00:03:46.680 --> 00:03:47.480 when you leave students to
NOTE Confidence: 0.960647

00:03:47.480 --> 00:03:48.360 their own devices, they often
NOTE Confidence: 0.960647

00:03:48.360 --> 00:03:49.160 come up with things that
NOTE Confidence: 0.960647

00:03:49.160 --> 00:03:49.960 no one has thought of
NOTE Confidence: 0.960647

00:03:49.960 --> 00:03:50.460 before.
NOTE Confidence: 0.95109487

00:03:50.760 --> 00:03:51.720 And then it's like you're
NOTE Confidence: 0.95109487

00:03:51.720 --> 00:03:52.920 within this ecosystem where it's
NOTE Confidence: 0.95109487

00:03:52.920 --> 00:03:53.640 like, oh yeah, we can
NOTE Confidence: 0.95109487

00:03:53.640 --> 00:03:54.600 get you all the resources
NOTE Confidence: 0.95109487

00:03:54.600 --> 00:03:55.385 that you need need to
NOTE Confidence: 0.95109487

00:03:55.385 --> 00:03:56.845 really develop that into something
NOTE Confidence: 0.9408599

00:03:57.145 --> 00:03:57.945 that's going to have an

NOTE Confidence: 0.9408599
00:03:57.945 --> 00:03:58.845 impact in the world.
NOTE Confidence: 0.95562494
00:03:59.145 --> 00:03:59.645 And,
NOTE Confidence: 0.9442444
00:04:00.105 --> 00:04:01.145 yeah, it wouldn't it wouldn't
NOTE Confidence: 0.9442444
00:04:01.145 --> 00:04:02.185 happen, right, if we were
NOTE Confidence: 0.9442444
00:04:02.185 --> 00:04:02.685 trying
NOTE Confidence: 0.97122353
00:04:02.985 --> 00:04:04.505 to really top down control
NOTE Confidence: 0.97122353
00:04:04.505 --> 00:04:05.705 what was going on because
NOTE Confidence: 0.97122353
00:04:05.705 --> 00:04:06.925 because we need to let
NOTE Confidence: 0.97122353
00:04:07.145 --> 00:04:08.525 creative people be creative.
NOTE Confidence: 0.9945551
00:04:10.100 --> 00:04:10.920 This program
NOTE Confidence: 0.9559748
00:04:11.300 --> 00:04:12.440 for me is
NOTE Confidence: 0.9992671
00:04:13.060 --> 00:04:14.760 meant to teach people
NOTE Confidence: 0.9938123
00:04:15.620 --> 00:04:17.400 how to be scientists
NOTE Confidence: 0.98246604
00:04:17.860 --> 00:04:19.140 so that they'll use these
NOTE Confidence: 0.98246604
00:04:19.140 --> 00:04:20.900 skills to do research throughout
NOTE Confidence: 0.98246604

00:04:20.900 --> 00:04:21.640 their career.

NOTE Confidence: 0.9966081

00:04:22.555 --> 00:04:23.755 I want people who are

NOTE Confidence: 0.9966081

00:04:23.755 --> 00:04:25.214 constantly going to question,

NOTE Confidence: 0.9818663

00:04:25.675 --> 00:04:26.495 be curious,

NOTE Confidence: 0.99574375

00:04:27.835 --> 00:04:29.115 not settle for what we

NOTE Confidence: 0.99574375

00:04:29.115 --> 00:04:31.355 already have, but aspire for

NOTE Confidence: 0.99574375

00:04:31.355 --> 00:04:33.275 something better for the patients

NOTE Confidence: 0.99574375

00:04:33.275 --> 00:04:34.495 that they take care of.