

WEBVTT

NOTE duration: "00:03:00.821"

NOTE Confidence: 0.8992855

00:00:00.080 --> 00:00:01.780 Welcome to today's dean's workshop

NOTE Confidence: 0.95589715

00:00:02.159 --> 00:00:04.740 on integrating systems immunology, engineering,

NOTE Confidence: 0.9618004

00:00:05.279 --> 00:00:07.200 and AI to monitor, predict,

NOTE Confidence: 0.9618004

00:00:07.200 --> 00:00:08.960 and improve human health. So

NOTE Confidence: 0.9618004

00:00:08.960 --> 00:00:10.559 I'm John Tsang. I direct

NOTE Confidence: 0.9618004

00:00:10.559 --> 00:00:11.920 the Yale Center for Systems

NOTE Confidence: 0.9618004

00:00:11.920 --> 00:00:12.980 and Engineering Immunology.

NOTE Confidence: 0.901151

00:00:13.985 --> 00:00:15.265 So they today couldn't really

NOTE Confidence: 0.901151

00:00:15.265 --> 00:00:16.465 be possible without the support

NOTE Confidence: 0.901151

00:00:16.465 --> 00:00:17.605 of the dean's office.

NOTE Confidence: 0.8931248

00:00:17.905 --> 00:00:18.805 So we are grateful

NOTE Confidence: 0.9805723

00:00:19.345 --> 00:00:20.465 to Yale School of Medicine's

NOTE Confidence: 0.9805723

00:00:20.465 --> 00:00:21.985 dean, Nancy Brown, who's here,

NOTE Confidence: 0.9805723

00:00:22.225 --> 00:00:23.744 for being a staunch advocate

NOTE Confidence: 0.9805723

00:00:23.744 --> 00:00:25.025 for and supporter of systems

NOTE Confidence: 0.9805723

00:00:25.025 --> 00:00:26.965 immunology and immune cell engineering

NOTE Confidence: 0.9805723

00:00:27.185 --> 00:00:28.785 research and innovation here at

NOTE Confidence: 0.9805723

00:00:28.785 --> 00:00:30.119 Yale. So it's my great

NOTE Confidence: 0.9805723

00:00:30.119 --> 00:00:31.640 honor to introduce, Dean Brown.

NOTE Confidence: 0.9805723

00:00:31.880 --> 00:00:33.640 So Dean Brown graduated from

NOTE Confidence: 0.9805723

00:00:33.640 --> 00:00:35.020 Yale College, here.

NOTE Confidence: 0.8879708

00:00:36.920 --> 00:00:38.380 You know what? Okay. Alright.

NOTE Confidence: 0.79201055

00:00:40.120 --> 00:00:41.320 I guess everybody knows her

NOTE Confidence: 0.79201055

00:00:41.320 --> 00:00:42.200 knows her, so she's a

NOTE Confidence: 0.79201055

00:00:42.200 --> 00:00:42.860 good student.

NOTE Confidence: 0.96394664

00:00:45.555 --> 00:00:46.835 Yeah. Born at a young

NOTE Confidence: 0.96394664

00:00:46.835 --> 00:00:48.675 age and died. Let's see.

NOTE Confidence: 0.9853426

00:00:49.315 --> 00:00:51.395 So it's really wonderful to,

NOTE Confidence: 0.9853426

00:00:51.715 --> 00:00:53.095 welcome you to the first,

NOTE Confidence: 0.99102247

00:00:53.715 --> 00:00:55.415 dean's workshop of this academic

NOTE Confidence: 0.99102247

00:00:55.475 --> 00:00:56.275 year, and I think we

NOTE Confidence: 0.99102247

00:00:56.275 --> 00:00:57.635 have some people online as

NOTE Confidence: 0.99102247

00:00:57.635 --> 00:00:58.135 well.

NOTE Confidence: 0.92850107

00:00:59.500 --> 00:01:00.620 And we're really the the

NOTE Confidence: 0.92850107

00:01:00.620 --> 00:01:02.140 purpose of these workshops are

NOTE Confidence: 0.92850107

00:01:02.140 --> 00:01:02.620 to,

NOTE Confidence: 0.9865898

00:01:03.260 --> 00:01:05.180 really promote collaborations and help

NOTE Confidence: 0.9865898

00:01:05.180 --> 00:01:07.100 people become aware of some

NOTE Confidence: 0.9865898

00:01:07.100 --> 00:01:08.140 of the exciting things going

NOTE Confidence: 0.9865898

00:01:08.140 --> 00:01:10.400 on. So today, we're introducing,

NOTE Confidence: 0.91277874

00:01:11.180 --> 00:01:12.619 the Yale community. Many of

NOTE Confidence: 0.91277874

00:01:12.619 --> 00:01:13.659 you are already familiar with

NOTE Confidence: 0.91277874

00:01:13.659 --> 00:01:14.545 it to the Center for

NOTE Confidence: 0.91277874

00:01:14.545 --> 00:01:15.685 Systems and Engineering,

NOTE Confidence: 0.9252878

00:01:16.545 --> 00:01:17.045 Immunology.

NOTE Confidence: 0.9817745

00:01:17.424 --> 00:01:19.584 And this was established in
NOTE Confidence: 0.9817745

00:01:19.584 --> 00:01:20.645 twenty twenty three,
NOTE Confidence: 0.9929033

00:01:21.345 --> 00:01:21.845 maybe
NOTE Confidence: 0.97730225

00:01:22.465 --> 00:01:24.165 after many years of envisioning,
NOTE Confidence: 0.94619864

00:01:25.265 --> 00:01:26.384 with really the goal to
NOTE Confidence: 0.94619864

00:01:26.384 --> 00:01:27.365 integrate immunology,
NOTE Confidence: 0.9941627

00:01:28.225 --> 00:01:28.725 engineering,
NOTE Confidence: 0.941942

00:01:29.850 --> 00:01:31.950 computational and experimental technologies
NOTE Confidence: 0.9808519

00:01:32.730 --> 00:01:33.470 to monitor,
NOTE Confidence: 0.99249244

00:01:33.930 --> 00:01:34.910 predict, and
NOTE Confidence: 0.8823428

00:01:35.450 --> 00:01:37.290 ultimately to intervene in human
NOTE Confidence: 0.8823428

00:01:37.290 --> 00:01:38.270 health. And,
NOTE Confidence: 0.9982562

00:01:39.050 --> 00:01:40.170 but it also serves as
NOTE Confidence: 0.9982562

00:01:40.170 --> 00:01:40.670 a
NOTE Confidence: 0.9856581

00:01:42.915 --> 00:01:44.275 catalyst, I think, for bringing
NOTE Confidence: 0.9856581

00:01:44.275 --> 00:01:46.135 people together across immunobiology,

NOTE Confidence: 0.9867085
00:01:46.595 --> 00:01:47.735 engineering, computational
NOTE Confidence: 0.9832605
00:01:48.675 --> 00:01:49.175 science,
NOTE Confidence: 0.97156465
00:01:49.555 --> 00:01:51.635 quantitative biology, and not just
NOTE Confidence: 0.97156465
00:01:51.635 --> 00:01:52.755 at Yale, but now as
NOTE Confidence: 0.97156465
00:01:52.755 --> 00:01:53.795 part of the,
NOTE Confidence: 0.9717522
00:01:54.355 --> 00:01:55.955 CZI Biohub New York as
NOTE Confidence: 0.9717522
00:01:55.955 --> 00:01:56.455 well.
NOTE Confidence: 0.94126594
00:01:56.890 --> 00:01:57.390 So,
NOTE Confidence: 0.97910225
00:01:58.650 --> 00:02:00.810 you'll hear a lot about
NOTE Confidence: 0.97910225
00:02:00.890 --> 00:02:01.790 today about,
NOTE Confidence: 0.99716485
00:02:02.250 --> 00:02:03.790 the center's goals for developing
NOTE Confidence: 0.99716485
00:02:03.930 --> 00:02:05.550 quantitative and predictive
NOTE Confidence: 0.9997083
00:02:05.850 --> 00:02:07.390 models of immune systems
NOTE Confidence: 0.95035046
00:02:07.850 --> 00:02:09.310 in human health and disease,
NOTE Confidence: 0.99893373
00:02:09.690 --> 00:02:10.190 and
NOTE Confidence: 0.86508733

00:02:10.490 --> 00:02:11.550 ultimately, again,
NOTE Confidence: 0.99854606

00:02:12.545 --> 00:02:14.405 engineering synthetic immune cells
NOTE Confidence: 0.99253565

00:02:14.785 --> 00:02:16.865 that can monitor and and
NOTE Confidence: 0.99253565

00:02:16.865 --> 00:02:17.925 intervene in health.
NOTE Confidence: 0.9683325

00:02:19.505 --> 00:02:21.605 In this workshop, both faculty
NOTE Confidence: 0.9683325

00:02:21.665 --> 00:02:23.525 and our invited keynote speakers
NOTE Confidence: 0.9683325

00:02:23.585 --> 00:02:25.525 will present approaches to integrating
NOTE Confidence: 0.93857646

00:02:26.950 --> 00:02:28.469 their that are integral to
NOTE Confidence: 0.93857646

00:02:28.469 --> 00:02:30.169 the mission of CSCI.
NOTE Confidence: 0.97045213

00:02:31.269 --> 00:02:32.469 And I I hope that
NOTE Confidence: 0.97045213

00:02:32.469 --> 00:02:33.750 you all leave here with
NOTE Confidence: 0.97045213

00:02:33.750 --> 00:02:35.689 an idea for collaboration
NOTE Confidence: 0.99367553

00:02:36.069 --> 00:02:37.290 and future work.
NOTE Confidence: 0.9740681

00:02:39.349 --> 00:02:40.629 And at this point, I
NOTE Confidence: 0.9740681

00:02:40.629 --> 00:02:41.129 will
NOTE Confidence: 0.95778877

00:02:42.075 --> 00:02:43.995 welcome our moderator and our

NOTE Confidence: 0.95778877

00:02:43.995 --> 00:02:45.855 first speaker, John Tsang.

NOTE Confidence: 0.9725296

00:02:46.315 --> 00:02:47.275 I suppose I should be

NOTE Confidence: 0.9725296

00:02:47.275 --> 00:02:48.715 doing a huge introduction of

NOTE Confidence: 0.9725296

00:02:48.715 --> 00:02:49.615 you, but,

NOTE Confidence: 0.6423142

00:02:52.076 --> 00:02:52.576 and,

NOTE Confidence: 0.78997797

00:02:53.356 --> 00:02:54.396 And I can't use it

NOTE Confidence: 0.78997797

00:02:54.396 --> 00:02:55.916 on mute. No. No. No.

NOTE Confidence: 0.78997797

00:02:55.916 --> 00:02:56.556 No. So,

NOTE Confidence: 0.8270619

00:02:57.516 --> 00:02:59.116 so I without further ado,

NOTE Confidence: 0.8270619

00:02:59.116 --> 00:03:00.821 John. Yeah. Thank you.