WEBVTT

NOTE duration:"00:06:34.7390000"

NOTE language:en-us

NOTE Confidence: 0.8479685

00:00:00.000 --> 00:00:01.595 Welcome everybody and thank you

NOTE Confidence: 0.8479685

00:00:01.595 --> 00:00:03.190 for joining us this afternoon.

NOTE Confidence: 0.8479685

00:00:03.190 --> 00:00:04.760 I am mailing Fernandez Garcia,

NOTE Confidence: 0.8479685

00:00:04.760 --> 00:00:06.330 a postdoctoral associate in the

NOTE Confidence: 0.8479685

00:00:06.330 --> 00:00:07.900 Department of Psychiatry and Genetics.

NOTE Confidence: 0.8479685

00:00:07.900 --> 00:00:08.815 Before we begin.

NOTE Confidence: 0.8479685

00:00:08.815 --> 00:00:11.670 Please note that at the end of our talks,

NOTE Confidence: 0.8479685

00:00:11.670 --> 00:00:14.182 that will be a service, so hope you

NOTE Confidence: 0.8479685

00:00:14.182 --> 00:00:16.380 take the chance to fill the survey.

NOTE Confidence: 0.8479685

00:00:16.380 --> 00:00:17.945 An because of the zoom

NOTE Confidence: 0.8479685

00:00:17.945 --> 00:00:19.197 format of the workshop,

NOTE Confidence: 0.8479685

00:00:19.200 --> 00:00:20.775 we won't be taking questions

NOTE Confidence: 0.8479685

00:00:20.775 --> 00:00:22.970 at the end of our type up.

NOTE Confidence: 0.8479685

00:00:22.970 --> 00:00:25.287 Please feel free to add your questions

1

NOTE Confidence: 0.8479685

00:00:25.287 --> 00:00:27.804 in the chat and will try to make

NOTE Confidence: 0.8479685

00:00:27.804 --> 00:00:30.059 sure to forward them to a speakers.

NOTE Confidence: 0.8479685

00:00:30.060 --> 00:00:32.616 So to kick up the workshop,

NOTE Confidence: 0.8479685

00:00:32.620 --> 00:00:35.616 it is my great pleasure to introduce

NOTE Confidence: 0.8479685

00:00:35.616 --> 00:00:37.390 our leadership Doctor Nancy

NOTE Confidence: 0.8479685

00:00:37.390 --> 00:00:39.856 Brown and author Antonio had all.

NOTE Confidence: 0.8479685

00:00:39.860 --> 00:00:42.188 This will hear first from Doctor

NOTE Confidence: 0.8479685

00:00:42.188 --> 00:00:44.269 Nancy who graduated from Yale

NOTE Confidence: 0.8479685

00:00:44.269 --> 00:00:46.549 College and earned her medical

NOTE Confidence: 0.8479685

00:00:46.549 --> 00:00:48.373 degree from Harvard University.

NOTE Confidence: 0.8479685

00:00:48.380 --> 00:00:49.984 She completed internship and

NOTE Confidence: 0.8479685

00:00:49.984 --> 00:00:51.588 residency programs in medicine

NOTE Confidence: 0.8479685

00:00:51.588 --> 00:00:53.060 at Vanderbilt University,

NOTE Confidence: 0.8479685

00:00:53.060 --> 00:00:55.616 where she also did a fellowship

NOTE Confidence: 0.8479685

00:00:55.616 --> 00:00:56.894 in clinical pharmacology.

NOTE Confidence: 0.8479685

00:00:56.900 --> 00:00:59.450 In 2020, she became the Wallacedene,

NOTE Confidence: 0.8479685

00:00:59.450 --> 00:01:00.725 an long professor.

NOTE Confidence: 0.8479685

00:01:00.725 --> 00:01:02.850 Of internal medicine at Yale

NOTE Confidence: 0.8479685

00:01:02.850 --> 00:01:04.450 School of Medicine.

NOTE Confidence: 0.8479685

00:01:04.450 --> 00:01:05.818 Our second speaker,

NOTE Confidence: 0.8479685

00:01:05.818 --> 00:01:08.098 doctor Antonio Hidalgo is studied.

NOTE Confidence: 0.8479685

00:01:08.100 --> 00:01:10.626 Chemistry and molecular biology at the

NOTE Confidence: 0.8479685

00:01:10.626 --> 00:01:13.110 University of College and University,

NOTE Confidence: 0.8479685

00:01:13.110 --> 00:01:14.364 Autonomous of Madrid.

NOTE Confidence: 0.8479685

00:01:14.364 --> 00:01:17.898 He did his pH D at the MBL

NOTE Confidence: 0.8479685

00:01:17.898 --> 00:01:19.950 in Haleburg in Germany.

NOTE Confidence: 0.8479685

00:01:19.950 --> 00:01:23.598 Anna postdoc at the Skirball Institute in NY,

NOTE Confidence: 0.8479685

00:01:23.600 --> 00:01:24.510 Yuan, Harvard.

NOTE Confidence: 0.8479685

00:01:24.510 --> 00:01:26.785 He established his liberatory here,

NOTE Confidence: 0.8479685

00:01:26.790 --> 00:01:29.070 yelling into hundreds into 2007,

NOTE Confidence: 0.8479685

00:01:29.070 --> 00:01:30.930 where he investigates the

NOTE Confidence: 0.8479685

00:01:30.930 --> 00:01:32.790 regulatory codes and shapes.

NOTE Confidence: 0.8479685

00:01:32.790 --> 00:01:34.710 Gene expression during embryonic development.

NOTE Confidence: 0.8479685

00:01:34.710 --> 00:01:36.894 He was the director of graduate

NOTE Confidence: 0.8479685

00:01:36.894 --> 00:01:38.789 Studies from 2012 to 2016

NOTE Confidence: 0.8479685

00:01:38.789 --> 00:01:40.973 and is currently the chair of

NOTE Confidence: 0.8479685

00:01:40.973 --> 00:01:42.770 the Department of Genetics.

NOTE Confidence: 0.8479685

00:01:42.770 --> 00:01:45.080 Welcome Doctor Brown and Doctor Harold.

NOTE Confidence: 0.8479685

00:01:45.080 --> 00:01:47.750 As we look forward from hearing

NOTE Confidence: 0.8479685

00:01:47.750 --> 00:01:49.530 from both of you.

NOTE Confidence: 0.8479685

00:01:49.530 --> 00:01:49.840 Thank

NOTE Confidence: 0.800215491666667

00:01:49.840 --> 00:01:52.304 you, melon. I am delighted to welcome

NOTE Confidence: 0.800215491666667

00:01:52.304 --> 00:01:54.449 you to today's Steam Workshop,

NOTE Confidence: 0.800215491666667

00:01:54.450 --> 00:01:57.006 which is our final in the

NOTE Confidence: 0.800215491666667

00:01:57.006 --> 00:01:58.710 series this academic year.

NOTE Confidence: 0.800215491666667

00:01:58.710 --> 00:02:00.924 Today's topic is our new Yale

NOTE Confidence: 0.800215491666667

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00:02:00.924 --> 00:02:02.400 Center for Genomic Health.

NOTE Confidence: 0.800215491666667

00:02:02.400 --> 00:02:04.710 This was launched last year and

NOTE Confidence: 0.800215491666667

00:02:04.710 --> 00:02:06.250 brings together researchers and

NOTE Confidence: 0.800215491666667

00:02:06.312 --> 00:02:07.996 other partners investigating the

NOTE Confidence: 0.800215491666667

00:02:07.996 --> 00:02:10.522 genetic basis of health and disease.

NOTE Confidence: 0.800215491666667

00:02:10.530 --> 00:02:13.530 And in this workshop you will hear state

NOTE Confidence: 0.800215491666667

00:02:13.530 --> 00:02:16.759 of the art genomic resources at Yale.

NOTE Confidence: 0.800215491666667

00:02:16.760 --> 00:02:19.598 You'll hear of highlighted studies and

NOTE Confidence: 0.800215491666667

00:02:19.598 --> 00:02:22.420 in progress across the University.

NOTE Confidence: 0.800215491666667

00:02:22.420 --> 00:02:23.985 The workshop will also introduce

NOTE Confidence: 0.800215491666667

00:02:23.985 --> 00:02:24.924 Doctor IRA Hall,

NOTE Confidence: 0.800215491666667

00:02:24.930 --> 00:02:26.982 who is our inaugural Director of

NOTE Confidence: 0.800215491666667

00:02:26.982 --> 00:02:29.410 the Yale Center for Genomic Health.

NOTE Confidence: 0.800215491666667

00:02:29.410 --> 00:02:31.720 And IRA will discuss the centers,

NOTE Confidence: 0.800215491666667

00:02:31.720 --> 00:02:33.695 focus a new efforts underway

NOTE Confidence: 0.800215491666667

00:02:33.695 --> 00:02:35.275 to promote interactions among

NOTE Confidence: 0.800215491666667

00:02:35.275 --> 00:02:37.139 our genetic investigators.

NOTE Confidence: 0.800215491666667

00:02:37.140 --> 00:02:39.331 As we usually do at the conclusion

NOTE Confidence: 0.800215491666667

00:02:39.331 --> 00:02:40.270 of the workshop,

NOTE Confidence: 0.800215491666667

00:02:40.270 --> 00:02:42.010 we will provide as Mail and

NOTE Confidence: 0.800215491666667

00:02:42.010 --> 00:02:43.904 set an online survey link for

NOTE Confidence: 0.800215491666667

00:02:43.904 --> 00:02:45.584 your ideas and your questions.

NOTE Confidence: 0.800215491666667

00:02:45.590 --> 00:02:47.444 Let me now welcome Doctor Antonio

NOTE Confidence: 0.800215491666667

00:02:47.444 --> 00:02:48.680 Heraldic chair of Genetics

NOTE Confidence: 0.800215491666667

00:02:48.733 --> 00:02:49.969 to add his introduction.

NOTE Confidence: 0.90559655

00:02:51.870 --> 00:02:54.229 Thank you Nancy and I I really,

NOTE Confidence: 0.90559655

00:02:54.230 --> 00:02:57.420 really exciting to be here.

NOTE Confidence: 0.90559655

00:02:57.420 --> 00:02:59.370 Join being Brown in welcoming

NOTE Confidence: 0.90559655

00:02:59.370 --> 00:03:02.649 all of you to the team workshops,

NOTE Confidence: 0.90559655

00:03:02.650 --> 00:03:04.394 interviews and showcase different

NOTE Confidence: 0.90559655

00:03:04.394 --> 00:03:06.138 ages different like Genomics,

NOTE Confidence: 0.90559655

00:03:06.140 --> 00:03:10.250 ayele and introduced. Use the help.

NOTE Confidence: 0.90559655

00:03:10.250 --> 00:03:12.441 So Center for Genomic Health really really

NOTE Confidence: 0.90559655

00:03:12.441 --> 00:03:14.378 builds an average year of discovery.

NOTE Confidence: 0.90559655

00:03:14.380 --> 00:03:15.970 A yell from the genetic

NOTE Confidence: 0.90559655

00:03:15.970 --> 00:03:17.560 spaces of health and disease,

NOTE Confidence: 0.90559655

00:03:17.560 --> 00:03:19.786 and I mean, you know many first,

NOTE Confidence: 0.90559655

00:03:19.790 --> 00:03:21.380 across the last five decades,

NOTE Confidence: 0.90559655

00:03:21.380 --> 00:03:22.970 just to mention a few,

NOTE Confidence: 0.90559655

00:03:22.970 --> 00:03:26.456 the sequencing of the first viruses.

NOTE Confidence: 0.90559655

00:03:26.460 --> 00:03:29.490 I just meant the mechanism metabolic

NOTE Confidence: 0.90559655

00:03:29.490 --> 00:03:31.830 disorders orders by December an.

NOTE Confidence: 0.90559655

00:03:31.830 --> 00:03:34.494 One of the first pregnancies by

NOTE Confidence: 0.90559655

00:03:34.494 --> 00:03:36.889 Doctor Mahoney and replace is off.

NOTE Confidence: 0.90559655

00:03:36.890 --> 00:03:39.487 Blood pressure came a few and more

NOTE Confidence: 0.90559655

00:03:39.487 --> 00:03:42.404 recently one of the first exam sequences

NOTE Confidence: 0.90559655

00:03:42.404 --> 00:03:44.990 for life or largely analysis with

NOTE Confidence: 0.90559655

00:03:45.065 --> 00:03:47.735 the Yale Center for Genome Analysis.

NOTE Confidence: 0.90559655

00:03:47.740 --> 00:03:49.820 As Tim Brown pointed out,

NOTE Confidence: 0.90559655

00:03:49.820 --> 00:03:52.316 this center will combine genomics and

NOTE Confidence: 0.90559655

00:03:52.316 --> 00:03:54.362 data science, improve human health,

NOTE Confidence: 0.90559655

00:03:54.362 --> 00:03:56.382 and really brings together many

NOTE Confidence: 0.90559655

00:03:56.382 --> 00:03:58.579 of the different efforts adults

NOTE Confidence: 0.90559655

00:03:58.579 --> 00:04:00.769 and hospital to understand stand

NOTE Confidence: 0.90559655

00:04:00.769 --> 00:04:02.890 how the genome Berman influence

NOTE Confidence: 0.90559655

00:04:02.890 --> 00:04:05.627 human is human disease and how use

NOTE Confidence: 0.90559655

00:04:05.630 --> 00:04:09.210 that to provide to improve.

NOTE Confidence: 0.90559655

00:04:09.210 --> 00:04:11.639 Center is also aligned with several of

NOTE Confidence: 0.90559655

00:04:11.639 --> 00:04:13.949 the University key priorities for this

NOTE Confidence: 0.90559655

00:04:13.949 --> 00:04:16.349 strategic planning for the next decade.

NOTE Confidence: 0.90559655

00:04:16.350 --> 00:04:16.777 Decade,

NOTE Confidence: 0.90559655

00:04:16.777 --> 00:04:18.058 muscle precision medicine,

NOTE Confidence: 0.90559655

00:04:18.058 --> 00:04:20.620 they send the information science and

NOTE Confidence: 0.90559655

00:04:20.684 --> 00:04:22.669 Cancer Research or research build

NOTE Confidence: 0.90559655

00:04:22.669 --> 00:04:24.654 and understand really the genetic

NOTE Confidence: 0.90559655

00:04:24.721 --> 00:04:27.041 basis of basis of many cities and how

NOTE Confidence: 0.90559655

00:04:27.041 --> 00:04:28.386 our genomes Internet environmental

NOTE Confidence: 0.90559655

00:04:28.386 --> 00:04:30.276 factors to influence the predisposition

NOTE Confidence: 0.90559655

00:04:30.276 --> 00:04:31.770 to different different assist.

NOTE Confidence: 0.90559655

00:04:31.770 --> 00:04:32.721 This of course,

NOTE Confidence: 0.90559655

00:04:32.721 --> 00:04:35.475 Furman Center in our minds as we go

NOTE Confidence: 0.90559655

00:04:35.475 --> 00:04:37.790 through this pandemic and significance.

NOTE Confidence: 0.90559655

00:04:37.790 --> 00:04:39.800 Those are affected by covid.

NOTE Confidence: 0.90559655

00:04:39.800 --> 00:04:42.080 Differently.

NOTE Confidence: 0.90559655

00:04:42.080 --> 00:04:44.481 They said the center is also fun

NOTE Confidence: 0.90559655

00:04:44.481 --> 00:04:47.199 and has been there when they work.

NOTE Confidence: 0.90559655

00:04:47.200 --> 00:04:49.972 A joint partnership and we should first

NOTE Confidence: 0.90559655

00:04:49.972 --> 00:04:52.907 cold medicine and Yale New Haven Hospital.

NOTE Confidence: 0.90559655

00:04:52.910 --> 00:04:55.136 And I will never mark this,

NOTE Confidence: 0.90559655

00:04:55.140 --> 00:04:57.760 because this been a tremendous

NOTE Confidence: 0.90559655

00:04:57.760 --> 00:04:59.856 partnership as well as.

NOTE Confidence: 0.90559655

00:04:59.860 --> 00:05:01.828 The division and input of made

NOTE Confidence: 0.90559655

00:05:01.828 --> 00:05:03.610 of many different faculty echoes,

NOTE Confidence: 0.90559655

00:05:03.610 --> 00:05:04.633 including Raccoon Alpha,

NOTE Confidence: 0.90559655

00:05:04.633 --> 00:05:06.650 male pole to Harry, and gives.

NOTE Confidence: 0.90559655

00:05:06.650 --> 00:05:07.300 In particular,

NOTE Confidence: 0.90559655

00:05:07.300 --> 00:05:10.024 it is thanks to joint support of the

NOTE Confidence: 0.90559655

00:05:10.024 --> 00:05:11.799 leadership from the medical school.

NOTE Confidence: 0.90559655

00:05:11.800 --> 00:05:14.180 That's called the Browns and Insall burn,

NOTE Confidence: 0.90559655

00:05:14.180 --> 00:05:16.908 as well as the CEO from the hospital,

NOTE Confidence: 0.90559655

00:05:16.910 --> 00:05:18.725 Mark Margie Brainstorm and President

NOTE Confidence: 0.90559655

00:05:18.725 --> 00:05:20.902 Aquila and President Church with church

NOTE Confidence: 0.90559655

00:05:20.902 --> 00:05:22.708 well as well as Richard Lisitano,

NOTE Confidence: 0.90559655

00:05:22.710 --> 00:05:25.223 with whom this would have not been

NOTE Confidence: 0.90559655

00:05:25.223 --> 00:05:27.041 possible to initiate the student

NOTE Confidence: 0.90559655

00:05:27.041 --> 00:05:29.039 recruit the funding that I found

NOTE Confidence: 0.90559655

00:05:29.039 --> 00:05:30.170 in the table.

NOTE Confidence: 0.90559655

00:05:30.170 --> 00:05:32.382 And the clinic and the direct and

NOTE Confidence: 0.90559655

00:05:32.382 --> 00:05:34.140 the Director of Clinical operating

NOTE Confidence: 0.90559655

00:05:34.140 --> 00:05:37.084 model with whom we will hear about it.

NOTE Confidence: 0.90559655

00:05:37.090 --> 00:05:39.130 So as genome sequence become camps

NOTE Confidence: 0.90559655

00:05:39.130 --> 00:05:40.490 underdiagnosis in future yell

NOTE Confidence: 0.90559655

00:05:40.547 --> 00:05:41.927 Center for Genomic Health,

NOTE Confidence: 0.90559655

00:05:41.930 --> 00:05:44.366 will be poised to make novel discoveries

NOTE Confidence: 0.90559655

00:05:44.366 --> 00:05:46.634 that allow us to interpret the

NOTE Confidence: 0.90559655

00:05:46.634 --> 00:05:48.950 genome and define the mechanisms of

NOTE Confidence: 0.90559655

00:05:48.950 --> 00:05:51.149 disease and develop a better to be

NOTE Confidence: 0.90559655

00:05:51.149 --> 00:05:53.318 better to talk her thought further ado,

NOTE Confidence: 0.90559655

00:05:53.318 --> 00:05:56.447 I would like like to pass a pass on

NOTE Confidence: 0.90559655

00:05:56.447 --> 00:05:59.750 to the organizer. Answers to Idaho.

NOTE Confidence: 0.90559655

00:05:59.750 --> 00:06:00.160 Funding.

NOTE Confidence: 0.827936

00:06:02.890 --> 00:06:05.115 Thank you Doctor Brown and he

NOTE Confidence: 0.827936

00:06:05.115 --> 00:06:06.970 does this for your remarks.

NOTE Confidence: 0.827936

00:06:06.970 --> 00:06:09.938 So now we will hear from Doctor Aare,

NOTE Confidence: 0.827936

00:06:09.940 --> 00:06:11.795 Doctor IRA Hall, who graduated

NOTE Confidence: 0.827936

00:06:11.795 --> 00:06:13.650 from the University of California,

NOTE Confidence: 0.827936

00:06:13.650 --> 00:06:15.500 Berkeley and earned his pH.

NOTE Confidence: 0.827936

00:06:15.500 --> 00:06:17.726 D in Cold Spring harbor laboratory.

NOTE Confidence: 0.827936

00:06:17.730 --> 00:06:20.306 He is currently a professor in the

NOTE Confidence: 0.827936

00:06:20.306 --> 00:06:22.579 Department of Genetics and director of

NOTE Confidence: 0.827936

00:06:22.579 --> 00:06:24.775 the Yale Center for Genomic Health.

NOTE Confidence: 0.827936

00:06:24.780 --> 00:06:27.006 His lab work on questions related

NOTE Confidence: 0.827936

00:06:27.006 --> 00:06:28.490 to human genome variation,

NOTE Confidence: 0.827936

00:06:28.490 --> 00:06:29.406 complex traits,

NOTE Confidence: 0.827936

00:06:29.406 --> 00:06:31.696 genetics and genomic data science.

NOTE Confidence: 0.827936

00:06:31.700 --> 00:06:32.711 Science doctor Hall.

NOTE Confidence: 0.827936

00:06:32.711 --> 00:06:34.733 We look forward for your talk.