WEBVTT

00:00:00.000 --> 00:00:02.826 First of all, thank you very

00:00:02.826 --> 00:00:06.016 much and for coming to this well.

00:00:06.016 --> 00:00:08.596 Yale School of Medicine by

00:00:08.596 --> 00:00:10.660 repository open information session.

00:00:10.660 --> 00:00:14.540 So the session will be organized by me.

00:00:14.540 --> 00:00:17.753 My name is Chen Liu from Department

00:00:17.753 --> 00:00:21.076 of Pathology and the Doctor water

00:00:21.076 --> 00:00:23.548 source from laboratory medicine.

00:00:23.550 --> 00:00:27.446 So this is actually the first time we,

00:00:27.450 --> 00:00:29.220 you know, we.

00:00:29.220 --> 00:00:32.818 Gave with this session since we officially

00:00:32.818 --> 00:00:35.806 launched the YSIV Pastor last November.

00:00:35.806 --> 00:00:39.232 So we we about three months from

00:00:39.232 --> 00:00:42.956 from the launch we plan to give

NOTE Confidence: 0.911904401666667

00:00:42.960 --> 00:00:45.795 to do to do a regular update.

NOTE Confidence: 0.911904401666667

00:00:45.800 --> 00:00:48.362 We think about every three months

NOTE Confidence: 0.911904401666667

00:00:48.362 --> 00:00:51.723 we'll do a short for zoom or

NOTE Confidence: 0.911904401666667

00:00:51.723 --> 00:00:53.807 web-based open information session

NOTE Confidence: 0.911904401666667

00:00:53.807 --> 00:00:57.553 and to provide an update on the

NOTE Confidence: 0.911904401666667

00:00:57.553 --> 00:00:59.645 activities in the biorepository.

NOTE Confidence: 0.911904401666667

00:00:59.650 --> 00:01:02.746 So the information session is designed

NOTE Confidence: 0.911904401666667

00:01:02.746 --> 00:01:06.058 to be interactive and so please feel

NOTE Confidence: 0.911904401666667

00:01:06.058 --> 00:01:09.370 free to ask questions as we go along.

NOTE Confidence: 0.911904401666667

00:01:09.370 --> 00:01:12.258 I will first start to give a brief

NOTE Confidence: 0.911904401666667

00:01:12.258 --> 00:01:14.258 overview and about repository and

NOTE Confidence: 0.911904401666667

00:01:14.258 --> 00:01:17.495 the way that will take over and it

NOTE Confidence: 0.911904401666667

00:01:17.495 --> 00:01:20.664 will give you more detail you know on

NOTE Confidence: 0.911904401666667

00:01:20.664 --> 00:01:23.412 the operation and how you actually

NOTE Confidence: 0.911904401666667

00:01:23.412 --> 00:01:26.088 interface with the power repository.

00:01:26.090 --> 00:01:29.009 So the presentation is about 20 minutes.

00:01:29.010 --> 00:01:31.442 I think most of the time we really

00:01:31.442 --> 00:01:34.156 wanted to hear from you and to answer

00:01:34.156 --> 00:01:36.478 some of the questions you may have.

00:01:36.480 --> 00:01:39.444 So they bought repository was you

00:01:39.444 --> 00:01:42.062 know was launched you know with the

00:01:42.062 --> 00:01:44.164 strong support from the from the

00:01:44.164 --> 00:01:46.572 Nancy Brown and the the Dean's office.

00:01:46.572 --> 00:01:49.722 So the scope of the work in the

00:01:49.722 --> 00:01:52.380 about you know in about repository

00:01:52.380 --> 00:01:54.692 is general specimen intake,

00:01:54.692 --> 00:01:55.403 acquisition,

00:01:55.403 --> 00:01:58.247 processing storage and distribution.

00:01:58.250 --> 00:02:01.675 So this is 1 main area will work.

00:02:01.675 --> 00:02:04.300 The other part is also very important

00:02:04.372 --> 00:02:06.068 for the bowl repository.

NOTE Confidence: 0.911904401666667

00:02:06.070 --> 00:02:09.230 To the Biorepository will also

NOTE Confidence: 0.911904401666667

00:02:09.230 --> 00:02:11.758 support investigator initiated or

NOTE Confidence: 0.911904401666667

00:02:11.758 --> 00:02:14.419 program initiated or program focused

NOTE Confidence: 0.911904401666667

00:02:14.419 --> 00:02:16.717 the tissue banking in other words

NOTE Confidence: 0.911904401666667

00:02:16.717 --> 00:02:19.283 this is a shorter for we not just

NOTE Confidence: 0.911904401666667

00:02:19.283 --> 00:02:21.510 a banging tissue actually the the

NOTE Confidence: 0.911904401666667

00:02:21.510 --> 00:02:24.006 Red Bull repository will work with

NOTE Confidence: 0.911904401666667

00:02:24.006 --> 00:02:26.094 individual program leaders and to

NOTE Confidence: 0.911904401666667

00:02:26.094 --> 00:02:28.590 set up whatever that their repository

NOTE Confidence: 0.911904401666667

00:02:28.668 --> 00:02:31.531 you know would be specific design to

NOTE Confidence: 0.911904401666667

00:02:31.531 --> 00:02:33.516 support their research program and

NOTE Confidence: 0.911904401666667

00:02:33.516 --> 00:02:36.236 that there is you know is a clinical.

NOTE Confidence: 0.911904401666667

00:02:36.240 --> 00:02:38.400 State validation or development and the

NOTE Confidence: 0.911904401666667

00:02:38.400 --> 00:02:41.478 next one is a clinical trial support.

NOTE Confidence: 0.911904401666667

00:02:41.480 --> 00:02:43.532 In other words we're moving forward

NOTE Confidence: 0.911904401666667

00:02:43.532 --> 00:02:45.380 when we have clinical trials.

NOTE Confidence: 0.911904401666667

00:02:45.380 --> 00:02:47.288 So the repository will be very

NOTE Confidence: 0.911904401666667

00:02:47.288 --> 00:02:49.561 happy to talk with the you know

NOTE Confidence: 0.911904401666667

00:02:49.561 --> 00:02:51.427 the investigators to see how we

NOTE Confidence: 0.911904401666667

00:02:51.427 --> 00:02:53.756 can provide about specimen so far.

NOTE Confidence: 0.911904401666667

00:02:53.760 --> 00:02:56.805 And at the same time this repository

NOTE Confidence: 0.911904401666667

00:02:56.805 --> 00:03:00.490 will this is a school wide,

NOTE Confidence: 0.911904401666667

00:03:00.490 --> 00:03:03.140 our repository is called a

NOTE Confidence: 0.911904401666667

00:03:03.140 --> 00:03:04.730 centralized power repository.

NOTE Confidence: 0.911904401666667

00:03:04.730 --> 00:03:06.600 However it does not mean.

NOTE Confidence: 0.911904401666667

00:03:06.600 --> 00:03:08.946 Will or will will take over

NOTE Confidence: 0.911904401666667

00:03:08.946 --> 00:03:10.510 every other existing bank,

NOTE Confidence: 0.911904401666667

00:03:10.510 --> 00:03:12.726 not even close to that in other words.

NOTE Confidence: 0.911904401666667

00:03:12.730 --> 00:03:16.202 So this central bank is really building

NOTE Confidence: 0.911904401666667

00:03:16.202 --> 00:03:19.570 a platform to have a more uniform

NOTE Confidence: 0.911904401666667

00:03:19.570 --> 00:03:21.905 you know operating procedure based

NOTE Confidence: 0.911904401666667

00:03:21.905 --> 00:03:25.133 practice and all that at the same

NOTE Confidence: 0.911904401666667

00:03:25.133 --> 00:03:27.961 time for all the investigator in the

NOTE Confidence: 0.911904401666667

00:03:27.961 --> 00:03:30.775 wrong power bank which we know we

NOTE Confidence: 0.911904401666667

00:03:30.775 --> 00:03:33.323 have hundreds of them on this campus.

NOTE Confidence: 0.911904401666667

00:03:33.323 --> 00:03:35.640 So with that you know the ball

NOTE Confidence: 0.911904401666667

00:03:35.721 --> 00:03:37.377 repository is happy to.

NOTE Confidence: 0.825242494736842

00:03:37.380 --> 00:03:40.500 Support your need in other words in terms

NOTE Confidence: 0.825242494736842

00:03:40.500 --> 00:03:42.948 of personal training or standardization

NOTE Confidence: 0.825242494736842

00:03:42.948 --> 00:03:46.134 or protocols or some basic practices.

NOTE Confidence: 0.825242494736842

00:03:46.140 --> 00:03:49.260 So this is also the area you know where is

NOTE Confidence: 0.825242494736842

00:03:49.340 --> 00:03:52.535 part of the the work for the Bowery Pastor.

NOTE Confidence: 0.825242494736842

00:03:52.540 --> 00:03:54.730 So the biorepository eventually you know

NOTE Confidence: 0.825242494736842

00:03:54.730 --> 00:03:58.723 we would like to have is to have a College

NOTE Confidence: 0.825242494736842

00:03:58.723 --> 00:04:00.363 of American pathologists accreditation

NOTE Confidence: 0.825242494736842

00:04:00.436 --> 00:04:02.456 because CAP credit accreditation which

NOTE Confidence: 0.825242494736842

00:04:02.456 --> 00:04:04.905 is really is the highest standard

NOTE Confidence: 0.825242494736842

00:04:04.905 --> 00:04:07.455 for teacher banking in the country.

NOTE Confidence: 0.825242494736842

00:04:07.460 --> 00:04:10.112 Accreditation by CAP will will really

NOTE Confidence: 0.825242494736842

00:04:10.112 --> 00:04:13.338 give the bank more leverage in terms

NOTE Confidence: 0.825242494736842

00:04:13.338 --> 00:04:16.086 of engaging clinical trial and also

NOTE Confidence: 0.825242494736842

00:04:16.086 --> 00:04:18.837 make a banking tissue connection

NOTE Confidence: 0.825242494736842

00:04:18.837 --> 00:04:21.049 with the clinical operation,

NOTE Confidence: 0.825242494736842

00:04:21.050 --> 00:04:23.219 particularly for clinical

NOTE Confidence: 0.825242494736842

00:04:23.219 --> 00:04:25.388 diagnosis more seamless.

NOTE Confidence: 0.825242494736842

00:04:25.390 --> 00:04:27.206 So what do we do in this bank?

NOTE Confidence: 0.825242494736842

00:04:27.210 --> 00:04:29.955 So right now I mean the bank has a

NOTE Confidence: 0.825242494736842

00:04:29.955 --> 00:04:32.259 capacity technology to annotate and

NOTE Confidence: 0.825242494736842

00:04:32.259 --> 00:04:34.669 process archived tissue and fresh

NOTE Confidence: 0.825242494736842

00:04:34.669 --> 00:04:37.068 samples both in you know you know,

NOTE Confidence: 0.825242494736842

00:04:37.070 --> 00:04:40.106 including both blood and solid tissue.

NOTE Confidence: 0.825242494736842

00:04:40.110 --> 00:04:42.252 I think one important area for the

NOTE Confidence: 0.825242494736842

00:04:42.252 --> 00:04:44.341 Central bank will be able to develop

NOTE Confidence: 0.825242494736842

00:04:44.341 --> 00:04:46.344 is a matched blood and solid tissue

NOTE Confidence: 0.825242494736842

00:04:46.344 --> 00:04:48.600 as you know more and more the study

NOTE Confidence: 0.825242494736842

00:04:48.600 --> 00:04:50.976 right now is how to link you know

NOTE Confidence: 0.825242494736842

00:04:50.976 --> 00:04:53.347 human tissue or diseased tissue in

NOTE Confidence: 0.825242494736842

00:04:53.347 --> 00:04:55.687 particular cancer or other disease.

NOTE Confidence: 0.825242494736842

00:04:55.690 --> 00:04:57.750 Issue with the corresponding blood.

NOTE Confidence: 0.825242494736842

00:04:57.750 --> 00:05:00.720 So this is 1 area you know the bank will

NOTE Confidence: 0.825242494736842

00:05:00.801 --> 00:05:03.664 be really focusing on is to building

NOTE Confidence: 0.825242494736842

00:05:03.664 --> 00:05:06.335 the paired samples and then the bank

NOTE Confidence: 0.825242494736842

00:05:06.335 --> 00:05:08.889 also can also provide a live tissue.

NOTE Confidence: 0.825242494736842

00:05:08.889 --> 00:05:12.382 We have the feature culture capacity to

NOTE Confidence: 0.825242494736842

00:05:12.382 --> 00:05:15.548 provide live tissue for investigators,

NOTE Confidence: 0.825242494736842

00:05:15.550 --> 00:05:18.844 you know work on organelles or PDX mice or

NOTE Confidence: 0.825242494736842

00:05:18.844 --> 00:05:21.587 whatever reason they want to live tissue.

NOTE Confidence: 0.825242494736842

00:05:21.590 --> 00:05:23.765 Remember the bank does not

NOTE Confidence: 0.825242494736842

00:05:23.765 --> 00:05:25.940 provide organized essay but the.

NOTE Confidence: 0.825242494736842

00:05:25.940 --> 00:05:27.879 Banker will be able to provide the

NOTE Confidence: 0.825242494736842

00:05:27.879 --> 00:05:29.676 first pass and get the tissue and

NOTE Confidence: 0.825242494736842

00:05:29.676 --> 00:05:31.830 pass it on and to the investigator.

NOTE Confidence: 0.825242494736842

00:05:31.830 --> 00:05:34.382 So certainly the bank who has the capacity

NOTE Confidence: 0.825242494736842

00:05:34.382 --> 00:05:37.325 to grow cell lines and making you know RNA,

NOTE Confidence: 0.825242494736842

00:05:37.330 --> 00:05:39.265 DNA, protein extractions we call

NOTE Confidence: 0.825242494736842

00:05:39.265 --> 00:05:40.426 so-called molecular banking,

NOTE Confidence: 0.825242494736842

00:05:40.430 --> 00:05:41.878 this is all doable.

NOTE Confidence: 0.825242494736842

00:05:41.878 --> 00:05:43.688 Certainly the mononuclear cell isolation,

NOTE Confidence: 0.825242494736842

00:05:43.690 --> 00:05:45.094 you know, the,

NOTE Confidence: 0.825242494736842

00:05:45.094 --> 00:05:45.562 the,

NOTE Confidence: 0.825242494736842

00:05:45.562 --> 00:05:46.658 the PBMC's,

NOTE Confidence: 0.825242494736842

00:05:46.658 --> 00:05:49.551 you know collection and also

NOTE Confidence: 0.825242494736842

00:05:49.551 --> 00:05:51.456 storage those are also available.

NOTE Confidence: 0.67735465

00:05:53.840 --> 00:05:59.748 OK. Next, next one. Ohh Sir. OK.

NOTE Confidence: 0.67735465

00:05:59.748 --> 00:06:02.254 So the current, you know let's see

NOTE Confidence: 0.67735465

00:06:02.254 --> 00:06:04.964 OK here it is currently for example

NOTE Confidence: 0.67735465

00:06:04.964 --> 00:06:08.304 this bank you know is really you know

NOTE Confidence: 0.67735465

00:06:08.304 --> 00:06:10.072 unofficially starting preliminary work

NOTE Confidence: 0.67735465

00:06:10.072 --> 00:06:12.235 particularly under the leadership of

NOTE Confidence: 0.67735465

00:06:12.235 --> 00:06:13.915 weight through the light medicine.

NOTE Confidence: 0.67735465

00:06:13.920 --> 00:06:16.092 So they started 2000 you know

NOTE Confidence: 0.67735465

00:06:16.092 --> 00:06:18.670 what it really in the during the

NOTE Confidence: 0.67735465

00:06:18.670 --> 00:06:21.130 pandemic and also you know pathology

NOTE Confidence: 0.67735465

00:06:21.130 --> 00:06:23.350 has done something as well.

NOTE Confidence: 0.67735465

00:06:23.350 --> 00:06:25.742 So this was a really those are the

NOTE Confidence: 0.67735465

00:06:25.742 --> 00:06:27.688 preliminary work and now we're all

NOTE Confidence: 0.67735465

00:06:27.688 --> 00:06:29.288 getting together now with this.

NOTE Confidence: 0.67735465

00:06:29.290 --> 00:06:32.470 Some bowel repository as I mentioned

00:06:32.470 --> 00:06:35.150 earlier the official launch date

00:06:35.150 --> 00:06:36.933 was November 2000, 2020, 2022.

00:06:36.933 --> 00:06:39.320 Right now the start of a bank has

00:06:39.320 --> 00:06:41.438 been supporting quite a number of

00:06:41.438 --> 00:06:43.567 research projects and we will be able

00:06:43.567 --> 00:06:45.594 to provide you some of the information.

00:06:45.594 --> 00:06:48.334 And so currently the, the bank,

00:06:48.334 --> 00:06:50.728 the in terms of the the leadership

00:06:50.728 --> 00:06:52.367 or organizational structure is

00:06:52.367 --> 00:06:54.797 I serve as a you know,

00:06:54.800 --> 00:06:56.636 director of right now the interim.

00:06:56.640 --> 00:06:59.540 So we'll be you know just when time is right.

00:06:59.540 --> 00:07:00.524 Gossip, you know,

00:07:00.524 --> 00:07:01.836 will appoint the permanent

00:07:01.836 --> 00:07:03.430 director to run this bank.

00:07:03.430 --> 00:07:07.120 And the weight is also is a social director.

NOTE Confidence: 0.67735465

00:07:07.120 --> 00:07:10.603 And so there are two managers or Co managers,

NOTE Confidence: 0.67735465

00:07:10.610 --> 00:07:12.210 you know that David Ferguson,

NOTE Confidence: 0.67735465

00:07:12.210 --> 00:07:14.010 who is on the line, and the King fan,

NOTE Confidence: 0.67735465

00:07:14.010 --> 00:07:15.330 you know who is out of town.

NOTE Confidence: 0.67735465

00:07:15.330 --> 00:07:17.110 So both of them real,

NOTE Confidence: 0.67735465

00:07:17.110 --> 00:07:17.518 you know.

NOTE Confidence: 0.67735465

00:07:17.518 --> 00:07:18.946 Later on I will show you how

NOTE Confidence: 0.67735465

00:07:18.946 --> 00:07:20.219 you actually interface with

NOTE Confidence: 0.67735465

00:07:20.219 --> 00:07:21.579 them through the website.

NOTE Confidence: 0.840163036

00:07:23.710 --> 00:07:26.746 So the other functionality of the

NOTE Confidence: 0.840163036

00:07:26.746 --> 00:07:29.226 bank is really provide support

NOTE Confidence: 0.840163036

00:07:29.226 --> 00:07:31.506 for all your grant applications.

NOTE Confidence: 0.840163036

00:07:31.510 --> 00:07:34.247 So what that means we'll provide lateral

NOTE Confidence: 0.840163036

00:07:34.247 --> 00:07:37.674 support as you as you wish and to really

NOTE Confidence: 0.840163036

00:07:37.674 --> 00:07:39.907 specific to your research project and

NOTE Confidence: 0.840163036

00:07:39.907 --> 00:07:42.392 then we will be working with you.

NOTE Confidence: 0.840163036

00:07:42.400 --> 00:07:43.822 We have financial,

NOTE Confidence: 0.840163036

00:07:43.822 --> 00:07:46.666 you know coordinator and jump Amir

NOTE Confidence: 0.840163036

00:07:46.666 --> 00:07:49.326 who is this banks financial person.

NOTE Confidence: 0.840163036

00:07:49.326 --> 00:07:53.647 So he can really work with you if I could.

NOTE Confidence: 0.840163036

00:07:53.650 --> 00:07:55.540 Work with you to build the budget

NOTE Confidence: 0.840163036

00:07:55.540 --> 00:07:57.353 for your grant application in terms

NOTE Confidence: 0.840163036

00:07:57.353 --> 00:07:59.558 of how to use the power repository.

NOTE Confidence: 0.840163036

00:07:59.560 --> 00:08:02.059 What's what kind of budget you should

NOTE Confidence: 0.840163036

00:08:02.059 --> 00:08:05.168 build into it for your research you know

NOTE Confidence: 0.840163036

00:08:05.168 --> 00:08:08.222 application and then you know we have

NOTE Confidence: 0.840163036

00:08:08.222 --> 00:08:09.506 standardized template documentation.

NOTE Confidence: 0.840163036

00:08:09.506 --> 00:08:11.900 Do you know this is just give you a

NOTE Confidence: 0.840163036

00:08:11.957 --> 00:08:13.966 snapshot here so we have the documents

NOTE Confidence: 0.840163036

00:08:13.966 --> 00:08:16.376 already I think it's kind of with the blank.

NOTE Confidence: 0.840163036

00:08:16.380 --> 00:08:18.820 And fill in the information you need and

00:08:18.820 --> 00:08:21.405 for you know to document the support you

00:08:21.405 --> 00:08:24.458 know for you know for your grant application.

00:08:24.460 --> 00:08:25.958 I think that one of the ideas,

00:08:25.960 --> 00:08:27.370 the more granular you have,

00:08:27.370 --> 00:08:27.942 there's more.

00:08:27.942 --> 00:08:30.224 Likely you will be able to, you know,

00:08:30.224 --> 00:08:32.198 have you know full access of the

00:08:32.198 --> 00:08:34.300 power repository and then you will

00:08:34.300 --> 00:08:36.405 have the financial resources to you

00:08:36.405 --> 00:08:38.358 know to support this type of work.

00:08:38.360 --> 00:08:40.100 So far. Any questions, please stop.

00:08:40.100 --> 00:08:40.642 You know,

00:08:40.642 --> 00:08:42.539 if you know I cannot see everybody,

00:08:42.540 --> 00:08:45.720 if you can just raise your hand or you can

00:08:45.800 --> 00:08:48.680 turn on your video and ask a question.

NOTE Confidence: 0.840163036

00:08:48.680 --> 00:08:50.970 Alright, so.

NOTE Confidence: 0.840163036

00:08:50.970 --> 00:08:52.770 So where we are right now we are,

NOTE Confidence: 0.840163036

00:08:52.770 --> 00:08:54.264 we have a temporary space which

NOTE Confidence: 0.840163036

00:08:54.264 --> 00:08:55.650 is on the 2nd floor.

NOTE Confidence: 0.840163036

00:08:55.650 --> 00:08:59.250 The MP building is close to the cafeteria.

NOTE Confidence: 0.840163036

00:08:59.250 --> 00:09:01.538 So this is you know it's a small

NOTE Confidence: 0.840163036

00:09:01.538 --> 00:09:03.353 area but it's enough for us

NOTE Confidence: 0.840163036

00:09:03.353 --> 00:09:05.530 to do most of the basic work.

NOTE Confidence: 0.840163036

00:09:05.530 --> 00:09:08.267 We have freezers and also in tissue

NOTE Confidence: 0.840163036

00:09:08.267 --> 00:09:10.813 culture hood as I said will be

NOTE Confidence: 0.840163036

00:09:10.813 --> 00:09:13.396 able to provide like a live tissue

NOTE Confidence: 0.840163036

00:09:13.396 --> 00:09:15.668 support including single cell.

NOTE Confidence: 0.840163036

00:09:15.670 --> 00:09:17.446 You know if you do single cell work

NOTE Confidence: 0.840163036

00:09:17.446 --> 00:09:19.365 we'll be able to support you to gather

NOTE Confidence: 0.840163036

00:09:19.365 --> 00:09:21.627 the first pass of single cell and the pass.

NOTE Confidence: 0.840163036

00:09:21.630 --> 00:09:24.897 To you so and then the other area for

NOTE Confidence: 0.840163036

00:09:24.897 --> 00:09:27.079 particular for the liquid samples,

NOTE Confidence: 0.840163036

00:09:27.080 --> 00:09:28.880 bladders,

NOTE Confidence: 0.840163036

00:09:28.880 --> 00:09:30.965 processing or plasma serum storage

NOTE Confidence: 0.840163036

00:09:30.965 --> 00:09:34.319 is all in the live medicine space.

NOTE Confidence: 0.840163036

00:09:34.320 --> 00:09:36.216 So this is our temporary space.

NOTE Confidence: 0.840163036

00:09:36.220 --> 00:09:38.444 So we are in the process to find

NOTE Confidence: 0.840163036

00:09:38.444 --> 00:09:39.380 a permanent home.

NOTE Confidence: 0.840163036

00:09:39.380 --> 00:09:41.676 It will be much larger and you

NOTE Confidence: 0.840163036

00:09:41.676 --> 00:09:43.680 know in the near future.

NOTE Confidence: 0.840163036

00:09:43.680 --> 00:09:47.840 So as I said we'll keep you updated.

NOTE Confidence: 0.840163036

00:09:47.840 --> 00:09:51.074 So finance how this bank is supported.

NOTE Confidence: 0.840163036

00:09:51.080 --> 00:09:51.848 So the bank,

NOTE Confidence: 0.840163036

00:09:51.848 --> 00:09:52.360 you know,

NOTE Confidence: 0.840163036

00:09:52.360 --> 00:09:54.285 this is the list of all the

NOTE Confidence: 0.840163036

00:09:54.285 --> 00:09:56.567 things we can't for how the bank

NOTE Confidence: 0.840163036

00:09:56.567 --> 00:09:58.297 is currently supported mainly is

NOTE Confidence: 0.840163036

00:09:58.297 --> 00:10:00.380 from the institutional support.

NOTE Confidence: 0.840163036

00:10:00.380 --> 00:10:03.817 This that means it's Nancy Brown support.

NOTE Confidence: 0.840163036

00:10:03.820 --> 00:10:06.400 So Nancy Browns provided the startup

NOTE Confidence: 0.840163036

00:10:06.400 --> 00:10:09.899 package for this bank to start and certainly,

NOTE Confidence: 0.840163036

00:10:09.900 --> 00:10:11.700 you know, in the future, you know,

NOTE Confidence: 0.840163036

00:10:11.700 --> 00:10:14.010 we'll have to think about the bank

NOTE Confidence: 0.840163036

00:10:14.010 --> 00:10:16.347 itself and actually apply for grants.

NOTE Confidence: 0.840163036

00:10:16.350 --> 00:10:17.134 You know,

NOTE Confidence: 0.840163036

00:10:17.134 --> 00:10:18.310 there are grants.

NOTE Confidence: 0.840163036

00:10:18.310 --> 00:10:21.229 God and nature or different Funding Agency,

NOTE Confidence: 0.840163036

00:10:21.230 --> 00:10:24.116 they wanted to have a banking

NOTE Confidence: 0.802853944

00:10:24.120 --> 00:10:26.495 initiative so that certainly the

NOTE Confidence: 0.802853944

00:10:26.495 --> 00:10:29.301 biorepository will directory can you know

NOTE Confidence: 0.802853944

00:10:29.301 --> 00:10:32.165 apply ground by itself and then the others

NOTE Confidence: 0.802853944

00:10:32.165 --> 00:10:34.729 will be like a collaboratively with.

NOTE Confidence: 0.802853944

00:10:34.730 --> 00:10:37.712 You know pro research program like

NOTE Confidence: 0.802853944

00:10:37.712 --> 00:10:40.755 a centers PO1 and also multi you

NOTE Confidence: 0.802853944

00:10:40.755 --> 00:10:43.485 know Pi projects you know with

NOTE Confidence: 0.802853944

00:10:43.485 --> 00:10:46.470 particular need for bowel repository.

NOTE Confidence: 0.802853944

00:10:46.470 --> 00:10:48.870 So those are that some I mentioned earlier.

NOTE Confidence: 0.802853944

00:10:48.870 --> 00:10:50.760 So the bank is fully ready

NOTE Confidence: 0.802853944

00:10:50.760 --> 00:10:52.020 to provide our part.

NOTE Confidence: 0.802853944

00:10:52.020 --> 00:10:53.772 You know we'll do the all the write

NOTE Confidence: 0.802853944

00:10:53.772 --> 00:10:55.703 up on the biobank by side and it

NOTE Confidence: 0.802853944

00:10:55.703 --> 00:10:57.569 will work with you to get those

NOTE Confidence: 0.802853944

00:10:57.569 --> 00:10:58.984 funding and moving forward that

NOTE Confidence: 0.802853944

00:10:58.984 --> 00:11:01.620 there is a possibility to work with

NOTE Confidence: 0.802853944

00:11:01.620 --> 00:11:03.276 industry particularly for clinical

NOTE Confidence: 0.802853944

00:11:03.276 --> 00:11:04.727 trials you know like a.

NOTE Confidence: 0.802853944

00:11:04.730 --> 00:11:06.004 Pharmaceutical companies,

NOTE Confidence: 0.802853944

00:11:06.004 --> 00:11:09.826 they sometimes do conduct clinical trials.

NOTE Confidence: 0.802853944

00:11:09.830 --> 00:11:12.080 They will have the need for

NOTE Confidence: 0.802853944

00:11:12.080 --> 00:11:13.205 both specimens support.

NOTE Confidence: 0.802853944

00:11:13.210 --> 00:11:15.250 So those are the financial part.

NOTE Confidence: 0.802853944

00:11:15.250 --> 00:11:17.180 Obviously it would be philanthropist

NOTE Confidence: 0.802853944

00:11:17.180 --> 00:11:18.724 part is very important.

NOTE Confidence: 0.802853944

00:11:18.730 --> 00:11:20.954 So this is the one area the Dean's

NOTE Confidence: 0.802853944

00:11:20.954 --> 00:11:23.441 office and you know we as a bank

NOTE Confidence: 0.802853944

00:11:23.441 --> 00:11:25.046 leadership was also thinking about

NOTE Confidence: 0.802853944

00:11:25.046 --> 00:11:27.167 how we can secure some gifts and

NOTE Confidence: 0.802853944

00:11:27.167 --> 00:11:29.556 to support the bank and obviously

NOTE Confidence: 0.802853944

00:11:29.556 --> 00:11:32.220 there is another component that will

NOTE Confidence: 0.802853944

00:11:32.299 --> 00:11:34.855 be the chargeback of special uses.

NOTE Confidence: 0.802853944

00:11:34.860 --> 00:11:38.472 But that means the users you as

NOTE Confidence: 0.802853944

00:11:38.472 --> 00:11:41.516 an investigator will need to pay

NOTE Confidence: 0.802853944

00:11:41.516 --> 00:11:44.294 some fees to use the services.

NOTE Confidence: 0.802853944

00:11:44.300 --> 00:11:47.336 Later later the presentation I will,

NOTE Confidence: 0.802853944

00:11:47.340 --> 00:11:49.460 I will show you on the website we

NOTE Confidence: 0.802853944

00:11:49.460 --> 00:11:51.494 have complete the chart by you know

NOTE Confidence: 0.802853944

00:11:51.494 --> 00:11:53.631 charge back rate depending on what the

NOTE Confidence: 0.802853944

00:11:53.631 --> 00:11:55.539 levels the service support you need,

NOTE Confidence: 0.802853944

00:11:55.540 --> 00:11:58.390 there's a specific.

NOTE Confidence: 0.802853944

00:11:58.390 --> 00:12:00.562 Price for you know for this

NOTE Confidence: 0.802853944

00:12:00.562 --> 00:12:02.710 all the services we provide.

NOTE Confidence: 0.802853944

00:12:02.710 --> 00:12:04.686 So I think this is the USP card.

NOTE Confidence: 0.802853944

00:12:04.690 --> 00:12:08.083 As you know the USP card means it is

NOTE Confidence: 0.802853944

00:12:08.083 --> 00:12:10.118 universally around the core services

NOTE Confidence: 0.802853944

00:12:10.118 --> 00:12:13.284 there is no benefit and I mean there

NOTE Confidence: 0.802853944

00:12:13.284 --> 00:12:16.130 is no profit or margins to be made.

NOTE Confidence: 0.802853944

00:12:16.130 --> 00:12:20.042 So on a yearly basis all the expenses

NOTE Confidence: 0.802853944

00:12:20.042 --> 00:12:23.008 from the the bank and will have

NOTE Confidence: 0.802853944

00:12:23.008 --> 00:12:24.802 to be somehow covered through a

NOTE Confidence: 0.802853944

00:12:24.802 --> 00:12:26.914 number of different mechanism from

NOTE Confidence: 0.802853944

00:12:26.914 --> 00:12:28.854 the institutional support grants.

NOTE Confidence: 0.802853944

00:12:28.860 --> 00:12:31.450 Industry or other gifts at the end

NOTE Confidence: 0.802853944

00:12:31.450 --> 00:12:34.024 they will design A chargeback rate and

NOTE Confidence: 0.802853944

00:12:34.024 --> 00:12:36.839 to pay you know to support the back.

NOTE Confidence: 0.802853944

00:12:36.840 --> 00:12:39.332 So this is basically the the finances

NOTE Confidence: 0.802853944

00:12:39.332 --> 00:12:41.367 covers every aspect you can see

NOTE Confidence: 0.802853944

00:12:41.367 --> 00:12:43.467 there are number of certainly if the

NOTE Confidence: 0.802853944

00:12:43.531 --> 00:12:46.075 chargeback rate is I think for most of

NOTE Confidence: 0.802853944

00:12:46.075 --> 00:12:48.272 you probably will be more interested

NOTE Confidence: 0.802853944

00:12:48.272 --> 00:12:52.097 in that is a see how you know how to.

NOTE Confidence: 0.802853944

00:12:52.100 --> 00:12:54.392 Gathered the best service with the

NOTE Confidence: 0.802853944

00:12:54.392 --> 00:12:56.520 lowest in you know price, right.

NOTE Confidence: 0.802853944

00:12:56.520 --> 00:12:59.420 This is all the value we all strive for it.

NOTE Confidence: 0.802853944

00:12:59.420 --> 00:13:01.744 So that means if we have more

NOTE Confidence: 0.802853944

00:13:01.744 --> 00:13:03.520 people to use the bank,

NOTE Confidence: 0.802853944

00:13:03.520 --> 00:13:05.780 the overall price of services,

NOTE Confidence: 0.802853944

00:13:05.780 --> 00:13:07.724 you know fees will be lower, right.

NOTE Confidence: 0.802853944

00:13:07.724 --> 00:13:10.636 So This is why I think it's important.

NOTE Confidence: 0.802853944

00:13:10.640 --> 00:13:11.708 You know,

NOTE Confidence: 0.802853944

00:13:11.708 --> 00:13:14.378 we wanted to your participation

NOTE Confidence: 0.802853944

00:13:14.378 --> 00:13:17.253 participation and since this is a new

NOTE Confidence: 0.802853944

00:13:17.253 --> 00:13:19.860 bank that that means that there are

NOTE Confidence: 0.802853944

00:13:19.860 --> 00:13:22.708 some areas we still need to develop.

NOTE Confidence: 0.802853944

00:13:22.710 --> 00:13:25.842 We are very open minded and to be really,

NOTE Confidence: 0.802853944

00:13:25.850 --> 00:13:27.188 really specifically specifically

NOTE Confidence: 0.802853944

00:13:27.188 --> 00:13:30.310 to support your need and we want

NOTE Confidence: 0.802853944

00:13:30.385 --> 00:13:31.689 to hear your ideas,

NOTE Confidence: 0.802853944

00:13:31.690 --> 00:13:33.766 feedback and you know at the

NOTE Confidence: 0.802853944

00:13:33.766 --> 00:13:35.150 end of the day

NOTE Confidence: 0.907669076470588

00:13:35.231 --> 00:13:38.367 we know this is truly shared resources.

NOTE Confidence: 0.907669076470588

00:13:38.370 --> 00:13:41.250 In other words, we collectively own

NOTE Confidence: 0.907669076470588

00:13:41.250 --> 00:13:43.878 these shared resources as USP, right.

NOTE Confidence: 0.907669076470588

00:13:43.878 --> 00:13:47.068 So this is a very important you know that we

NOTE Confidence: 0.907669076470588

00:13:47.068 --> 00:13:49.539 wanted to have more interaction with you.

NOTE Confidence: 0.907669076470588

00:13:49.540 --> 00:13:51.844 So right now this is archived

NOTE Confidence: 0.907669076470588

00:13:51.844 --> 00:13:54.440 tissue water since we just started,

NOTE Confidence: 0.907669076470588

00:13:54.440 --> 00:13:56.750 you know there's some of the archived

NOTE Confidence: 0.907669076470588

00:13:56.750 --> 00:13:58.855 tissue stored in department pathology in

NOTE Confidence: 0.907669076470588

00:13:58.855 --> 00:14:01.780 the live medicine will have to be gradually

NOTE Confidence: 0.907669076470588

00:14:01.780 --> 00:14:04.300 transferred into the the central bank.

NOTE Confidence: 0.907669076470588

00:14:04.300 --> 00:14:05.860 So we are developing that.

NOTE Confidence: 0.907669076470588

00:14:05.860 --> 00:14:07.020 This may take some time.

NOTE Confidence: 0.907669076470588

00:14:07.020 --> 00:14:08.455 You can see the blood

NOTE Confidence: 0.907669076470588

00:14:08.455 --> 00:14:09.603 sample inlet medicine side,

NOTE Confidence: 0.907669076470588

00:14:09.610 --> 00:14:12.106 there is about 275,000 eliquid,

NOTE Confidence: 0.907669076470588

00:14:12.106 --> 00:14:13.971 you know blood samples available

NOTE Confidence: 0.907669076470588

00:14:13.971 --> 00:14:15.879 right now in the freezer.

NOTE Confidence: 0.907669076470588

00:14:15.880 --> 00:14:18.178 So in pathology we have almost

NOTE Confidence: 0.907669076470588

00:14:18.180 --> 00:14:19.800 3.5 million patients.

NOTE Confidence: 0.907669076470588

00:14:19.800 --> 00:14:21.960 Archive the tissue blogs,

NOTE Confidence: 0.907669076470588

00:14:21.960 --> 00:14:24.434 so the tissue all the way to 1960s.

NOTE Confidence: 0.907669076470588

00:14:24.434 --> 00:14:26.798 So with all those tissue blocks

NOTE Confidence: 0.907669076470588

00:14:26.798 --> 00:14:28.740 available in the storage side

NOTE Confidence: 0.907669076470588

00:14:28.740 --> 00:14:31.134 as I said it's all in storage.

NOTE Confidence: 0.907669076470588

00:14:31.140 --> 00:14:33.165 So what are we going to do is to

NOTE Confidence: 0.907669076470588

00:14:33.165 --> 00:14:34.912 bring all those you know archive

NOTE Confidence: 0.907669076470588

00:14:34.912 --> 00:14:37.200 the tissue back to the Central bank.

NOTE Confidence: 0.907669076470588

00:14:37.200 --> 00:14:39.066 So that will make building category

NOTE Confidence: 0.907669076470588

00:14:39.066 --> 00:14:41.394 catalog to make it available for all

NOTE Confidence: 0.907669076470588

00:14:41.394 --> 00:14:43.434 investigators see from our website to

NOTE Confidence: 0.907669076470588

00:14:43.434 --> 00:14:45.740 see what kind of tissue you may have.

NOTE Confidence: 0.907669076470588

00:14:45.740 --> 00:14:47.865 And currently during this it

NOTE Confidence: 0.907669076470588

00:14:47.865 --> 00:14:49.990 really the bank had done.

NOTE Confidence: 0.907669076470588

00:14:49.990 --> 00:14:52.321 A lot has done quite significant work

NOTE Confidence: 0.907669076470588

00:14:52.321 --> 00:14:54.610 or during the pandemic, the COVID time.

NOTE Confidence: 0.907669076470588

00:14:54.610 --> 00:14:57.188 So we do have a lot of samples you know

NOTE Confidence: 0.907669076470588

00:14:57.188 --> 00:14:59.282 including the live medicines plus samples

NOTE Confidence: 0.907669076470588

00:14:59.282 --> 00:15:01.457 they were actually from the you know,

NOTE Confidence: 0.907669076470588

00:15:01.460 --> 00:15:03.680 they covered the patients on the

NOTE Confidence: 0.907669076470588

00:15:03.680 --> 00:15:06.380 pathology will help by the 80 autopsies.

NOTE Confidence: 0.907669076470588

00:15:06.380 --> 00:15:09.038 All the all organs are collected

NOTE Confidence: 0.907669076470588

00:15:09.038 --> 00:15:11.724 from the COVID patients with some

NOTE Confidence: 0.907669076470588

00:15:11.724 --> 00:15:14.214 saliva samples and also NP swab,

NOTE Confidence: 0.907669076470588

00:15:14.220 --> 00:15:16.770 all the upper respiratory specimens

NOTE Confidence: 0.907669076470588

00:15:16.770 --> 00:15:18.810 all available for requests.

NOTE Confidence: 0.907669076470588

00:15:18.810 --> 00:15:20.382 Those are the availability.

NOTE Confidence: 0.907669076470588

00:15:20.382 --> 00:15:21.168 Available one,

NOTE Confidence: 0.907669076470588

00:15:21.170 --> 00:15:24.183 but we do not have a lot to say.

NOTE Confidence: 0.907669076470588

00:15:24.183 --> 00:15:28.127 In other words we just started to collect

NOTE Confidence: 0.907669076470588

00:15:28.130 --> 00:15:31.382 fresh tissue from normal organs or

NOTE Confidence: 0.907669076470588

00:15:31.382 --> 00:15:35.428 you know cancer tissues or different kinds.

NOTE Confidence: 0.907669076470588

00:15:35.430 --> 00:15:37.230 Since we just started collecting,

NOTE Confidence: 0.907669076470588

00:15:37.230 --> 00:15:40.008 we don't have really inventory yet.

NOTE Confidence: 0.907669076470588

00:15:40.010 --> 00:15:41.162 So moving forward,

NOTE Confidence: 0.907669076470588

00:15:41.162 --> 00:15:43.466 so we will build an inventory

NOTE Confidence: 0.907669076470588

00:15:43.466 --> 00:15:46.271 will be enough to you know for

NOTE Confidence: 0.907669076470588

00:15:46.271 --> 00:15:47.835 the investigator to request.

NOTE Confidence: 0.907669076470588

00:15:47.840 --> 00:15:51.680 So I stop here and I stopped there

NOTE Confidence: 0.907669076470588

00:15:51.680 --> 00:15:54.152 and any question to me and before

NOTE Confidence: 0.907669076470588

00:15:54.152 --> 00:15:56.461 I had a transition this to wait

NOTE Confidence: 0.907669076470588

00:15:56.461 --> 00:15:58.589 to give you more details or you

00:15:58.662 --> 00:16:00.732 can save the question later when

00:16:00.732 --> 00:16:02.640 we have this open discussion.

00:16:04.790 --> 00:16:09.409 So I do not see any hands up or I do not see.

00:16:09.410 --> 00:16:11.280 Anybody has a question, OK.

00:16:11.280 --> 00:16:13.037 And the way that maybe you know,

00:16:13.040 --> 00:16:14.276 how about you take it over.

00:16:14.650 --> 00:16:15.970 Yeah, if you want to turn off your

00:16:15.970 --> 00:16:17.196 sharing, I can just kind of pick up on

00:16:17.270 --> 00:16:19.356 you. Just tell me otherwise your slides.

00:16:19.410 --> 00:16:20.490 OK, sounds good, perfect.

00:16:20.490 --> 00:16:23.048 So go ahead and move on to the next one.

00:16:23.050 --> 00:16:25.198 So yes, doctor, you mentioned that,

00:16:25.200 --> 00:16:26.844 you know, we've been working on

00:16:26.844 --> 00:16:28.206 some of the preliminary work

00:16:28.206 --> 00:16:29.690 for this for a few years now.

00:16:29.690 --> 00:16:33.288 And if we go back to this one, you know,

NOTE Confidence: 0.891353018571429

00:16:33.288 --> 00:16:35.381 the one thing I want to highlight

NOTE Confidence: 0.891353018571429

00:16:35.381 --> 00:16:37.767 is that beyond just biorepository,

NOTE Confidence: 0.891353018571429

00:16:37.770 --> 00:16:39.250 we're really trying to provide.

NOTE Confidence: 0.891353018571429

00:16:39.250 --> 00:16:40.254 Biospecimen management

NOTE Confidence: 0.891353018571429

00:16:40.254 --> 00:16:41.760 and management services.

NOTE Confidence: 0.891353018571429

00:16:41.760 --> 00:16:43.923 So it's not just about getting specimens

NOTE Confidence: 0.891353018571429

00:16:43.923 --> 00:16:46.018 and sticking in them in the freezer,

NOTE Confidence: 0.891353018571429

00:16:46.020 --> 00:16:47.721 but really making sure that we can

NOTE Confidence: 0.891353018571429

00:16:47.721 --> 00:16:49.153 use specimens and leverage them

NOTE Confidence: 0.891353018571429

00:16:49.153 --> 00:16:50.788 for research and research projects.

NOTE Confidence: 0.891353018571429

00:16:50.790 --> 00:16:52.818 And so whether that is bringing

NOTE Confidence: 0.891353018571429

00:16:52.818 --> 00:16:53.832 a specimen in,

NOTE Confidence: 0.891353018571429

00:16:53.840 --> 00:16:56.030 processing it and moving it immediately

NOTE Confidence: 0.891353018571429

00:16:56.030 --> 00:16:57.975 to the investigator for immediate

NOTE Confidence: 0.891353018571429

00:16:57.975 --> 00:17:00.483 use or storage within their labor

28

NOTE Confidence: 0.891353018571429

00:17:00.483 --> 00:17:02.184 biorepository or potentially storing

NOTE Confidence: 0.891353018571429

00:17:02.184 --> 00:17:04.119 it within the DSM biorepository,

NOTE Confidence: 0.891353018571429

00:17:04.120 --> 00:17:05.440 both of those are options.

NOTE Confidence: 0.891353018571429

00:17:05.440 --> 00:17:07.750 And so it's not just a bank

NOTE Confidence: 0.891353018571429

00:17:07.750 --> 00:17:09.730 where we put things but.

NOTE Confidence: 0.891353018571429

00:17:09.730 --> 00:17:10.012 One,

NOTE Confidence: 0.891353018571429

00:17:10.012 --> 00:17:11.704 where we can actually acquire things

NOTE Confidence: 0.891353018571429

00:17:11.704 --> 00:17:13.817 in real time and move them rapidly

NOTE Confidence: 0.891353018571429

00:17:13.817 --> 00:17:15.327 to those downstream use cases.

NOTE Confidence: 0.891353018571429

00:17:15.330 --> 00:17:17.770 Next slide.

NOTE Confidence: 0.891353018571429

00:17:17.770 --> 00:17:19.810 And there's really 2 pathways for

NOTE Confidence: 0.891353018571429

00:17:19.810 --> 00:17:20.830 getting these specimens.

NOTE Confidence: 0.891353018571429

00:17:20.830 --> 00:17:22.750 The 1st that we've done quite

NOTE Confidence: 0.891353018571429

00:17:22.750 --> 00:17:24.030 extensively through COVID was

NOTE Confidence: 0.891353018571429

00:17:24.086 --> 00:17:25.658 from excess clinical samples.

NOTE Confidence: 0.891353018571429

00:17:25.660 --> 00:17:27.501 And so that's where we can actually

NOTE Confidence: 0.891353018571429

00:17:27.501 --> 00:17:29.379 leverage some of the work that we've

NOTE Confidence: 0.891353018571429

00:17:29.379 --> 00:17:30.927 done on the informatics side to

NOTE Confidence: 0.891353018571429

00:17:30.983 --> 00:17:32.898 identify specimens that meet specific

NOTE Confidence: 0.891353018571429

00:17:32.898 --> 00:17:34.430 cohort or phenotypic criteria.

NOTE Confidence: 0.891353018571429

00:17:34.430 --> 00:17:36.140 So one example is identifying

NOTE Confidence: 0.891353018571429

00:17:36.140 --> 00:17:38.206 individuals who had COVID or a

NOTE Confidence: 0.891353018571429

00:17:38.206 --> 00:17:40.229 history of COVID and then being able

NOTE Confidence: 0.891353018571429

00:17:40.229 --> 00:17:41.880 to capture those clinical excess

NOTE Confidence: 0.891353018571429

00:17:41.880 --> 00:17:44.232 specimens once they are done in the

NOTE Confidence: 0.891353018571429

00:17:44.240 --> 00:17:46.025 clinical testing pathway and then

NOTE Confidence: 0.891353018571429

00:17:46.025 --> 00:17:48.100 de identify them for research use.

NOTE Confidence: 0.891353018571429

00:17:48.100 --> 00:17:49.738 We've also worked with the Phase

NOTE Confidence: 0.891353018571429

00:17:49.738 --> 00:17:51.536 One Group and others where whereby

NOTE Confidence: 0.891353018571429

00:17:51.536 --> 00:17:53.161 patients who have signed things

NOTE Confidence: 0.891353018571429

00:17:53.161 --> 00:17:54.600 like the umbrella consent,

NOTE Confidence: 0.891353018571429

00:17:54.600 --> 00:17:56.680 we can grab additional specimens.

NOTE Confidence: 0.891353018571429

00:17:56.680 --> 00:17:58.882 And then the other pathway outside

NOTE Confidence: 0.891353018571429

00:17:58.882 --> 00:18:00.890 of that clinic excess clinical

NOTE Confidence: 0.891353018571429

00:18:00.890 --> 00:18:03.722 sample way is by doing specifically

NOTE Confidence: 0.891353018571429

00:18:03.722 --> 00:18:05.138 research sample collection.

NOTE Confidence: 0.891353018571429

00:18:05.140 --> 00:18:07.684 And for those sample collections there's

NOTE Confidence: 0.891353018571429

00:18:07.684 --> 00:18:10.376 a couple of pathways to do that as well.

NOTE Confidence: 0.891353018571429

00:18:10.380 --> 00:18:12.795 One is where the researcher may get

NOTE Confidence: 0.891353018571429

00:18:12.795 --> 00:18:15.557 those tubes and send them directly from

NOTE Confidence: 0.891353018571429

00:18:15.557 --> 00:18:18.035 a research draw to the biorepository.

NOTE Confidence: 0.891353018571429

00:18:18.040 --> 00:18:20.469 For processing and or storage and the

NOTE Confidence: 0.891353018571429

00:18:20.469 --> 00:18:23.710 other one is by doing an order in Epic

NOTE Confidence: 0.891353018571429

00:18:23.710 --> 00:18:26.036 to actually collect those and they

NOTE Confidence: 0.891353018571429

00:18:26.036 --> 00:18:28.538 will go through that clinical pipeline.

NOTE Confidence: 0.891353018571429

00:18:28.540 --> 00:18:30.759 But as a dedicated research tube the

NOTE Confidence: 0.891353018571429

00:18:30.759 --> 00:18:33.245 if people have questions about how to

NOTE Confidence: 0.891353018571429

00:18:33.245 --> 00:18:35.447 enter those research orders in Epic,

NOTE Confidence: 0.891353018571429

00:18:35.450 --> 00:18:36.830 definitely feel free to reach out.

NOTE Confidence: 0.891353018571429

00:18:36.830 --> 00:18:38.420 There's a couple of different

NOTE Confidence: 0.891353018571429

00:18:38.420 --> 00:18:40.785 orders that can be used but allow

NOTE Confidence: 0.891353018571429

00:18:40.785 --> 00:18:42.555 us to pretty fluently capture

NOTE Confidence: 0.891353018571429

00:18:42.555 --> 00:18:44.792 those specimens and get them into

NOTE Confidence: 0.891353018571429

00:18:44.792 --> 00:18:46.268 that that research direction.

NOTE Confidence: 0.891353018571429

00:18:46.270 --> 00:18:48.600 Next slide.

NOTE Confidence: 0.891353018571429

00:18:48.600 --> 00:18:50.385 And we have a number of different

NOTE Confidence: 0.891353018571429

00:18:50.385 --> 00:18:52.120 services that we're already performing.

NOTE Confidence: 0.891353018571429

00:18:52.120 --> 00:18:54.087 The list here is also if you

NOTE Confidence: 0.891353018571429

00:18:54.087 --> 00:18:56.199 go to the Biobank website,

NOTE Confidence: 0.891353018571429

00:18:56.200 --> 00:18:57.761 you can see the list and the

NOTE Confidence: 0.891353018571429

00:18:57.761 --> 00:18:59.036 actual charges and I can pull

NOTE Confidence: 0.891353018571429

00:18:59.036 --> 00:19:00.620 that up in a little while as well.

NOTE Confidence: 0.891353018571429

00:19:00.620 --> 00:19:02.102 The most common things that we

NOTE Confidence: 0.891353018571429

00:19:02.102 --> 00:19:03.940 end up doing are the centrifuge,

NOTE Confidence: 0.891353018571429

00:19:03.940 --> 00:19:04.533 centrifugation,

NOTE Confidence: 0.891353018571429

00:19:04.533 --> 00:19:08.091 aliquoting in from the parent tubes

NOTE Confidence: 0.891353018571429

00:19:08.091 --> 00:19:11.258 into specific biobank aliquot tubes or

NOTE Confidence: 0.800271442

00:19:11.260 --> 00:19:12.492 whatever the researcher might

NOTE Confidence: 0.800271442

00:19:12.492 --> 00:19:14.340 need for the the tube type.

NOTE Confidence: 0.800271442

00:19:14.340 --> 00:19:16.419 We also do have a number of projects where

NOTE Confidence: 0.800271442

00:19:16.419 --> 00:19:18.550 we do store and retrieve the specimens.

NOTE Confidence: 0.800271442

00:19:18.550 --> 00:19:20.740 From our our freezer storage

NOTE Confidence: 0.800271442

00:19:20.740 --> 00:19:22.564 DNA and RNA prep, we've scoped

NOTE Confidence: 0.800271442

00:19:22.564 --> 00:19:24.760 out but have not performed yet.

NOTE Confidence: 0.800271442

00:19:24.760 --> 00:19:26.745 And then PDMC preparation and

NOTE Confidence: 0.800271442

00:19:26.745 --> 00:19:29.355 processing we have ongoing for several

NOTE Confidence: 0.800271442

00:19:29.355 --> 00:19:32.880 different stories studies as well as

NOTE Confidence: 0.800271442

00:19:32.880 --> 00:19:36.504 some ability to provide IT technical

NOTE Confidence: 0.800271442

00:19:36.504 --> 00:19:39.356 and data support either individually

NOTE Confidence: 0.800271442

00:19:39.356 --> 00:19:41.536 through the BIOREPOSITORY or in

NOTE Confidence: 0.800271442

00:19:41.536 --> 00:19:44.220 conjunction with JADAK if and as needed.

NOTE Confidence: 0.800271442

00:19:44.220 --> 00:19:46.996 We also have some initial studies that have

NOTE Confidence: 0.800271442

00:19:46.996 --> 00:19:49.458 leveraged the clinical laboratory testing.

NOTE Confidence: 0.800271442

00:19:49.460 --> 00:19:51.350 To perform research based testing,

NOTE Confidence: 0.800271442

00:19:51.350 --> 00:19:53.884 so looking at things like COVID antibody

NOTE Confidence: 0.800271442

00:19:53.884 --> 00:19:56.178 results or COVID antibody titers where

NOTE Confidence: 0.800271442

00:19:56.178 --> 00:19:58.464 we actually use the clinical assay

NOTE Confidence: 0.800271442

00:19:58.464 --> 00:20:00.854 and can bill and charge that through

NOTE Confidence: 0.800271442

00:20:00.854 --> 00:20:02.800 at a slightly more reasonable rate.

NOTE Confidence: 0.800271442

00:20:02.800 --> 00:20:05.075 That is 1 service that we are

NOTE Confidence: 0.800271442

00:20:05.075 --> 00:20:07.004 working to better scale and make

NOTE Confidence: 0.800271442

00:20:07.004 --> 00:20:09.090 more accessible as we move forward,

NOTE Confidence: 0.800271442

00:20:09.090 --> 00:20:11.090 but have to balance out some of the

NOTE Confidence: 0.800271442

00:20:11.090 --> 00:20:12.740 clinical needs of the clinical lab

NOTE Confidence: 0.800271442

00:20:12.740 --> 00:20:14.115 while also making that available

NOTE Confidence: 0.800271442

00:20:14.115 --> 00:20:15.860 on the research side. Next slide.

NOTE Confidence: 0.828848548666667

00:20:17.920 --> 00:20:19.838 And just to you know highlight the

NOTE Confidence: 0.828848548666667

00:20:19.838 --> 00:20:21.226 the informatics driven aspect of

NOTE Confidence: 0.828848548666667

00:20:21.226 --> 00:20:22.780 some of the sample collection that

NOTE Confidence: 0.828848548666667

00:20:22.780 --> 00:20:25.020 we've put in place as part of the

NOTE Confidence: 0.828848548666667

00:20:25.020 --> 00:20:26.132 computational health platform that

NOTE Confidence: 0.828848548666667

00:20:26.140 --> 00:20:27.952 was deployed at Yale New Haven

NOTE Confidence: 0.828848548666667

00:20:27.952 --> 00:20:29.760 over the last couple of years.

NOTE Confidence: 0.828848548666667

00:20:29.760 --> 00:20:31.800 We do have the ability then to as

NOTE Confidence: 0.828848548666667

00:20:31.800 --> 00:20:33.879 I mentioned on a couple of earlier

NOTE Confidence: 0.828848548666667

00:20:33.879 --> 00:20:35.773 slides really identify some of these

NOTE Confidence: 0.828848548666667

00:20:35.773 --> 00:20:37.747 specimens in real time which can

NOTE Confidence: 0.828848548666667

00:20:37.747 --> 00:20:39.667 be quite beneficial for things that

NOTE Confidence: 0.828848548666667

00:20:39.667 --> 00:20:41.521 might be labile analytes where we

NOTE Confidence: 0.828848548666667

00:20:41.521 --> 00:20:43.304 need to go and grab them quickly

NOTE Confidence: 0.828848548666667

00:20:43.304 --> 00:20:45.289 to be able to move to downstream

NOTE Confidence: 0.828848548666667

00:20:45.289 --> 00:20:46.934 testing or for rare events.

NOTE Confidence: 0.828848548666667

00:20:46.940 --> 00:20:48.310 So if there is a.

NOTE Confidence: 0.828848548666667

00:20:48.310 --> 00:20:49.615 A unique syndrome,

NOTE Confidence: 0.828848548666667

00:20:49.615 --> 00:20:52.225 disease disorder or set of phenotypic

NOTE Confidence: 0.828848548666667

00:20:52.225 --> 00:20:55.006 criteria that we may only see infrequently.

NOTE Confidence: 0.828848548666667

00:20:55.010 --> 00:20:55.608 One example,

NOTE Confidence: 0.828848548666667

00:20:55.608 --> 00:20:58.000 there was a study we had worked on

NOTE Confidence: 0.828848548666667

00:20:58.064 --> 00:21:00.158 with Henry Rinder and Lab medicine

NOTE Confidence: 0.828848548666667

00:21:00.158 --> 00:21:02.339 during COVID as well looking at

NOTE Confidence: 0.828848548666667

00:21:02.339 --> 00:21:04.475 patients who went on a ventilator

NOTE Confidence: 0.828848548666667

00:21:04.475 --> 00:21:06.219 after being diagnosed with COVID.

NOTE Confidence: 0.828848548666667

00:21:06.219 --> 00:21:08.277 And so we needed to identify

NOTE Confidence: 0.828848548666667

00:21:08.277 --> 00:21:10.268 a very specific phenotype,

NOTE Confidence: 0.828848548666667

00:21:10.270 --> 00:21:12.370 identify those specimens and in some

NOTE Confidence: 0.828848548666667

00:21:12.370 --> 00:21:15.086 cases we can also push those into

NOTE Confidence: 0.828848548666667

00:21:15.086 --> 00:21:17.161 dedicated consent pathways outside of

NOTE Confidence: 0.828848548666667

00:21:17.161 --> 00:21:19.750 the excess clinical pathways as well.

NOTE Confidence: 0.828848548666667

00:21:19.750 --> 00:21:21.806 Tied to that well we can do identify,

NOTE Confidence: 0.828848548666667

00:21:21.810 --> 00:21:24.169 we can leverage the ability of JADAK

NOTE Confidence: 0.828848548666667

00:21:24.169 --> 00:21:26.841 to use those D identified ties back to

NOTE Confidence: 0.828848548666667

00:21:26.841 --> 00:21:29.530 the EHR to also pull out covariates,

NOTE Confidence: 0.828848548666667

00:21:29.530 --> 00:21:31.552 outcomes and other clinical data from

NOTE Confidence: 0.828848548666667

00:21:31.552 --> 00:21:33.602 the Epic data repository while acting

NOTE Confidence: 0.828848548666667

00:21:33.602 --> 00:21:35.842 as an honest broker to the investigator.

NOTE Confidence: 0.828848548666667

00:21:35.850 --> 00:21:38.146 So we we do have some templated IRB

NOTE Confidence: 0.828848548666667

00:21:38.146 --> 00:21:40.068 language that we're also happy to

NOTE Confidence: 0.828848548666667

00:21:40.068 --> 00:21:42.000 share if that's something that's of

NOTE Confidence: 0.828848548666667

00:21:42.062 --> 00:21:44.230 interest to individual investigators.

NOTE Confidence: 0.828848548666667

00:21:44.230 --> 00:21:46.480 Next slide.

NOTE Confidence: 0.828848548666667

00:21:46.480 --> 00:21:47.293 Our current infrastructure,

NOTE Confidence: 0.828848548666667

00:21:47.293 --> 00:21:49.190 just to extend on some of the

NOTE Confidence: 0.828848548666667

00:21:49.239 --> 00:21:50.544 things Doctor Lou mentioned that

NOTE Confidence: 0.828848548666667

00:21:50.544 --> 00:21:52.140 are more on the tissue side,

NOTE Confidence: 0.828848548666667

00:21:52.140 --> 00:21:53.860 we also have some automation

NOTE Confidence: 0.828848548666667

00:21:53.860 --> 00:21:56.513 over on the liquid side for doing

NOTE Confidence: 0.828848548666667

00:21:56.513 --> 00:21:58.233 processing and aliquoting some

NOTE Confidence: 0.828848548666667

00:21:58.233 --> 00:22:00.360 robotics to help support that.

NOTE Confidence: 0.828848548666667

00:22:00.360 --> 00:22:02.992 I think we're actually up to now 4

NOTE Confidence: 0.828848548666667

00:22:02.992 --> 00:22:05.368 freezers as well as a backup for -,

NOTE Confidence: 0.828848548666667

00:22:05.370 --> 00:22:07.960 80 storage and are starting to scope

NOTE Confidence: 0.828848548666667

00:22:07.960 --> 00:22:10.200 out liquid nitrogen storage as well.

NOTE Confidence: 0.828848548666667

00:22:10.200 --> 00:22:12.048 We have centrifugation including

NOTE Confidence: 0.828848548666667

00:22:12.048 --> 00:22:14.358 refrigerated for doing PBMC and

NOTE Confidence: 0.828848548666667

00:22:14.358 --> 00:22:16.409 other types of purifications.

NOTE Confidence: 0.828848548666667

00:22:16.410 --> 00:22:18.293 And a plate scanner that allows us

NOTE Confidence: 0.828848548666667

00:22:18.293 --> 00:22:20.355 to do these low profile biobanking

NOTE Confidence: 0.828848548666667

00:22:20.355 --> 00:22:22.743 tubes to really increase our storage

NOTE Confidence: 0.828848548666667

00:22:22.743 --> 00:22:24.628 capacity and efficiency for storing

NOTE Confidence: 0.828848548666667

00:22:24.628 --> 00:22:26.770 specimens as well as pulling those

NOTE Confidence: 0.828848548666667

00:22:26.770 --> 00:22:28.760 out of storage and transitioning

NOTE Confidence: 0.828848548666667

00:22:28.760 --> 00:22:30.750 them off to research studies.

NOTE Confidence: 0.828848548666667

00:22:30.750 --> 00:22:31.694 On the lab side,

NOTE Confidence: 0.828848548666667

00:22:31.694 --> 00:22:33.869 we've got Dave or on the liquid side,

NOTE Confidence: 0.828848548666667

00:22:33.870 --> 00:22:35.742 Dave who helps oversee a research

NOTE Confidence: 0.828848548666667

00:22:35.742 --> 00:22:37.715 associate as well as the laboratory

NOTE Confidence: 0.828848548666667

00:22:37.715 --> 00:22:40.025 associate in addition to the staff that

NOTE Confidence: 0.828848548666667

00:22:40.025 --> 00:22:42.726 we have helping on the tissue side as well.

NOTE Confidence: 0.828848548666667

00:22:42.730 --> 00:22:45.140 Next slide.

NOTE Confidence: 0.828848548666667

00:22:45.140 --> 00:22:46.603 This is just a little bit more

NOTE Confidence: 0.828848548666667

00:22:46.603 --> 00:22:48.104 detail of that informatics driven

NOTE Confidence: 0.828848548666667

00:22:48.104 --> 00:22:49.748 approach to sample identification.

NOTE Confidence: 0.828848548666667

00:22:49.750 --> 00:22:51.838 So as we're able to pull in data

NOTE Confidence: 0.828848548666667

00:22:51.838 --> 00:22:54.195 from Epic both the EHR as well

NOTE Confidence: 0.828848548666667

00:22:54.195 --> 00:22:55.611 as the laboratory information

NOTE Confidence: 0.828848548666667

00:22:55.611 --> 00:22:57.089 system which is speaker,

NOTE Confidence: 0.828848548666667

00:22:57.090 --> 00:22:58.545 those give us yesterday's data

NOTE Confidence: 0.828848548666667

00:22:58.545 --> 00:23:00.346 for some of those more labile

NOTE Confidence: 0.828848548666667

00:23:00.346 --> 00:23:02.092 analytes or things that we need

NOTE Confidence: 0.828848548666667

00:23:02.092 --> 00:23:03.569 to identify in real time.

NOTE Confidence: 0.828848548666667

00:23:03.570 --> 00:23:05.022 We do have some real time

NOTE Confidence: 0.828848548666667

00:23:05.022 --> 00:23:05.990 connections that are fed

NOTE Confidence: 0.840104415652174

00:23:06.038 --> 00:23:07.608 into the environment that's largely

NOTE Confidence: 0.840104415652174

00:23:07.608 --> 00:23:09.910 supported by the data science group at Yale,

NOTE Confidence: 0.840104415652174

00:23:09.910 --> 00:23:12.280 New Haven through Charlie Tori

NOTE Confidence: 0.840104415652174

00:23:12.280 --> 00:23:15.010 and then with the help of.

NOTE Confidence: 0.840104415652174

00:23:15.010 --> 00:23:16.586 Several different data architects,

NOTE Confidence: 0.840104415652174

00:23:16.586 --> 00:23:18.162 data scientists who help

NOTE Confidence: 0.840104415652174

00:23:18.162 --> 00:23:19.560 manage those platforms.

NOTE Confidence: 0.840104415652174

00:23:19.560 --> 00:23:21.107 Once this data are in the platform,

NOTE Confidence: 0.840104415652174

00:23:21.110 --> 00:23:22.883 we can then put on what we call watches

NOTE Confidence: 0.840104415652174

00:23:22.883 --> 00:23:24.538 to help identify those specimens,

NOTE Confidence: 0.840104415652174

00:23:24.540 --> 00:23:26.190 generate those specimen

NOTE Confidence: 0.840104415652174

00:23:26.190 --> 00:23:28.940 lists as well as integrate,

NOTE Confidence: 0.840104415652174

00:23:28.940 --> 00:23:30.390 you know the feedback from

NOTE Confidence: 0.840104415652174

00:23:30.390 --> 00:23:31.260 the add-on research,

NOTE Confidence: 0.840104415652174

00:23:31.260 --> 00:23:32.868 testing that can be done at

NOTE Confidence: 0.840104415652174

00:23:32.868 --> 00:23:34.732 least at limited scale right now

NOTE Confidence: 0.840104415652174

00:23:34.732 --> 00:23:36.200 within the clinical laboratory.

NOTE Confidence: 0.840104415652174

00:23:36.200 --> 00:23:38.234 Those data we can return to

NOTE Confidence: 0.840104415652174

00:23:38.234 --> 00:23:39.943 investigators depending on the terms

NOTE Confidence: 0.840104415652174

00:23:39.943 --> 00:23:41.987 of the IRB and the specific study.

NOTE Confidence: 0.840104415652174

00:23:41.990 --> 00:23:44.070 We try to do that through Redcap or

NOTE Confidence: 0.840104415652174

00:23:44.070 --> 00:23:46.310 through the computational health platform.

NOTE Confidence: 0.840104415652174

00:23:46.310 --> 00:23:48.230 Do you have some other options

NOTE Confidence: 0.840104415652174

00:23:48.230 --> 00:23:50.406 that exist depending on the exact

NOTE Confidence: 0.840104415652174

00:23:50.406 --> 00:23:52.066 computational and storage needs,

NOTE Confidence: 0.840104415652174

00:23:52.070 --> 00:23:54.198 as well as the scope and how

NOTE Confidence: 0.840104415652174

00:23:54.198 --> 00:23:55.832 sensitive the data that are

NOTE Confidence: 0.840104415652174

00:23:55.832 --> 00:23:59.660 being returned to our next slide?

NOTE Confidence: 0.840104415652174

00:23:59.660 --> 00:24:01.543 To date again we processed a number

NOTE Confidence: 0.840104415652174

00:24:01.543 --> 00:24:03.520 of specimens as Doctor Lee mentioned,

NOTE Confidence: 0.840104415652174

00:24:03.520 --> 00:24:05.260 we've got about 275,000 aliquots

NOTE Confidence: 0.840104415652174

00:24:05.260 --> 00:24:08.078 that we do have in storage primarily

NOTE Confidence: 0.840104415652174

00:24:08.078 --> 00:24:09.858 from COVID or COVID.

NOTE Confidence: 0.840104415652174

00:24:09.858 --> 00:24:12.328 We needed patients over the last

NOTE Confidence: 0.840104415652174

00:24:12.328 --> 00:24:14.308 couple of years we've processed

NOTE Confidence: 0.840104415652174

00:24:14.308 --> 00:24:15.702 somewhere between 405,000 aliquots

NOTE Confidence: 0.840104415652174

00:24:15.702 --> 00:24:18.110 just that we many of those get pushed

NOTE Confidence: 0.840104415652174

00:24:18.171 --> 00:24:20.291 immediately into research pathways or

NOTE Confidence: 0.840104415652174

00:24:20.291 --> 00:24:22.411 are screened for their appropriateness

NOTE Confidence: 0.840104415652174

00:24:22.469 --> 00:24:24.004 for specific research studies and

NOTE Confidence: 0.840104415652174

00:24:24.004 --> 00:24:26.248 this is a supported a riot wide

NOTE Confidence: 0.840104415652174

00:24:26.248 --> 00:24:28.018 range of clinical operations and

NOTE Confidence: 0.840104415652174

00:24:28.018 --> 00:24:29.610 research activities from clinical.

NOTE Confidence: 0.840104415652174

00:24:29.610 --> 00:24:31.764 Say validation in the in the

NOTE Confidence: 0.840104415652174

00:24:31.764 --> 00:24:32.841 laboratory Medicine Department

NOTE Confidence: 0.840104415652174

00:24:32.841 --> 00:24:34.830 to public health surveillance,

NOTE Confidence: 0.840104415652174

00:24:34.830 --> 00:24:36.881 as well as a number of biomedical

NOTE Confidence: 0.840104415652174

00:24:36.881 --> 00:24:37.467 research projects.

NOTE Confidence: 0.840104415652174

00:24:37.470 --> 00:24:38.000 Next slide.

NOTE Confidence: 0.851653266

00:24:40.090 --> 00:24:42.463 Some of the assays that we validated

NOTE Confidence: 0.851653266

00:24:42.463 --> 00:24:45.450 this was very helpful during COVID as we

NOTE Confidence: 0.851653266

00:24:45.450 --> 00:24:47.649 were working to validate both antibody

NOTE Confidence: 0.851653266

00:24:47.649 --> 00:24:49.742 as well as antigen and viral testing

NOTE Confidence: 0.851653266

00:24:49.742 --> 00:24:51.868 with some of our different platforms.

NOTE Confidence: 0.851653266

00:24:51.870 --> 00:24:54.260 So we were very easily able to go back and

NOTE Confidence: 0.851653266

00:24:54.326 --> 00:24:56.601 find the number of specimens we needed

NOTE Confidence: 0.851653266

00:24:56.601 --> 00:24:58.771 with patients with specimens drawn some

NOTE Confidence: 0.851653266

00:24:58.771 --> 00:25:01.033 number of days after presentation or

NOTE Confidence: 0.851653266

00:25:01.033 --> 00:25:03.678 symptoms and use that to actually go back

NOTE Confidence: 0.851653266

00:25:03.678 --> 00:25:05.869 and validate those diagnostic assays.

NOTE Confidence: 0.851653266

00:25:05.870 --> 00:25:07.562 Outside of COVID, we've also used

NOTE Confidence: 0.851653266

00:25:07.562 --> 00:25:09.900 it for a drug of abuse screening.

NOTE Confidence: 0.851653266

00:25:09.900 --> 00:25:12.354 And load opine stability as well

NOTE Confidence: 0.851653266

00:25:12.354 --> 00:25:15.090 as more recently validation of our

NOTE Confidence: 0.851653266

00:25:15.090 --> 00:25:17.138 in-house COVID-19 sequencing platform.

NOTE Confidence: 0.851653266

00:25:17.140 --> 00:25:18.780 Next slide.

NOTE Confidence: 0.851653266

00:25:18.780 --> 00:25:20.988 On the public health side that this is

NOTE Confidence: 0.851653266

00:25:20.988 --> 00:25:23.093 primarily been with Nate Grubaugh and

NOTE Confidence: 0.851653266

00:25:23.093 --> 00:25:25.679 the excellent research team over there.

NOTE Confidence: 0.851653266

00:25:25.680 --> 00:25:27.240 This has been ongoing really since

NOTE Confidence: 0.851653266

00:25:27.240 --> 00:25:29.251 the the start of the COVID pandemic

NOTE Confidence: 0.851653266

00:25:29.251 --> 00:25:31.087 providing somewhere as when we had

NOTE Confidence: 0.851653266

00:25:31.087 --> 00:25:32.820 enough samples 200 to 300 positive

NOTE Confidence: 0.851653266

00:25:32.820 --> 00:25:34.516 samples per week that they were

NOTE Confidence: 0.851653266

00:25:34.516 --> 00:25:36.728 sequencing for both the state as well

NOTE Confidence: 0.851653266

00:25:36.728 --> 00:25:39.576 as I believe the CDC since that time.

NOTE Confidence: 0.851653266

00:25:39.580 --> 00:25:42.044 This is also expanded now to provide

NOTE Confidence: 0.851653266

00:25:42.044 --> 00:25:44.303 specimens for both lab medicine and

NOTE Confidence: 0.851653266

00:25:44.303 --> 00:25:46.571 pathology for reporting back to both

NOTE Confidence: 0.851653266

00:25:46.571 --> 00:25:49.444 state and national databases and has led to.

NOTE Confidence: 0.851653266

00:25:49.450 --> 00:25:52.490 Several research manuscripts as well.

NOTE Confidence: 0.851653266

00:25:52.490 --> 00:25:53.080 Next slide.

NOTE Confidence: 0.829268929333333

00:25:55.100 --> 00:25:56.783 And then I don't know if we have the

NOTE Confidence: 0.829268929333333

00:25:56.783 --> 00:25:58.499 slide with the other research projects,

NOTE Confidence: 0.829268929333333

00:25:58.500 --> 00:25:59.825 but for the other research

NOTE Confidence: 0.829268929333333

00:25:59.825 --> 00:26:00.885 projects that we've done,

NOTE Confidence: 0.829268929333333

00:26:00.890 --> 00:26:02.941 this is also included work with a

NOTE Confidence: 0.829268929333333

00:26:02.941 --> 00:26:04.660 number of different investigators.

NOTE Confidence: 0.829268929333333

00:26:04.660 --> 00:26:06.430 Again a lot of those started

NOTE Confidence: 0.829268929333333

00:26:06.430 --> 00:26:07.980 off in the COVID-19 area,

NOTE Confidence: 0.829268929333333

00:26:07.980 --> 00:26:11.556 some others in just respiratory disease,

NOTE Confidence: 0.829268929333333

00:26:11.560 --> 00:26:13.090 some that we've done with phase

NOTE Confidence: 0.829268929333333

00:26:13.090 --> 00:26:14.780 one as well as hematology.

NOTE Confidence: 0.829268929333333

00:26:14.780 --> 00:26:16.442 And so really starting to expand

NOTE Confidence: 0.829268929333333

00:26:16.442 --> 00:26:19.067 out now and going from we have a

NOTE Confidence: 0.829268929333333

00:26:19.067 --> 00:26:20.527 biorepository that's just starting

NOTE Confidence: 0.829268929333333

00:26:20.527 --> 00:26:22.266 those operations and now moving

NOTE Confidence: 0.829268929333333

00:26:22.266 --> 00:26:23.841 into really having the full

NOTE Confidence: 0.829268929333333

00:26:23.841 --> 00:26:25.028 functioning by our repository.

NOTE Confidence: 0.829268929333333

00:26:25.028 --> 00:26:26.946 That we do have staffed or scaling

NOTE Confidence: 0.829268929333333

00:26:26.946 --> 00:26:28.947 up and have a formal process to

NOTE Confidence: 0.829268929333333

00:26:28.947 --> 00:26:30.517 go through for requesting and

NOTE Confidence: 0.829268929333333

00:26:30.517 --> 00:26:31.717 getting projects initiated.

NOTE Confidence: 0.829268929333333

00:26:31.720 --> 00:26:33.060 For people who are interested,

NOTE Confidence: 0.829268929333333

00:26:33.060 --> 00:26:35.125 you can find the why SM Biobank

NOTE Confidence: 0.829268929333333

00:26:35.125 --> 00:26:36.739 just by going to Google.

NOTE Confidence: 0.829268929333333

00:26:36.740 --> 00:26:39.196 The link down on the bottom is also

NOTE Confidence: 0.829268929333333

00:26:39.196 --> 00:26:41.498 for that primary website on there

NOTE Confidence: 0.829268929333333

00:26:41.498 --> 00:26:43.922 the link to Redcap for submitting

NOTE Confidence: 0.829268929333333

00:26:44.001 --> 00:26:46.091 a request for biospecimens or

NOTE Confidence: 0.829268929333333

00:26:46.091 --> 00:26:48.181 for a biorepository project is

NOTE Confidence: 0.829268929333333

00:26:48.190 --> 00:26:49.206 available on that website.

NOTE Confidence: 0.829268929333333

47

00:26:49.206 --> 00:26:51.339 It's also on the top of this slide.

NOTE Confidence: 0.829268929333333

00:26:51.340 --> 00:26:52.775 The process that we really

NOTE Confidence: 0.829268929333333

00:26:52.775 --> 00:26:54.488 recommend is filling out that form

NOTE Confidence: 0.829268929333333

00:26:54.488 --> 00:26:56.056 just so that we can make sure.

NOTE Confidence: 0.829268929333333

00:26:56.060 --> 00:26:57.768 We can track everything and that we

NOTE Confidence: 0.829268929333333

00:26:57.768 --> 00:26:59.488 can start to track turnaround times

NOTE Confidence: 0.829268929333333

00:26:59.488 --> 00:27:01.348 and making sure that nothing gets

NOTE Confidence: 0.829268929333333

00:27:01.348 --> 00:27:03.398 lost as we start to see more requests.

NOTE Confidence: 0.829268929333333

00:27:03.400 --> 00:27:04.820 I know when we were.

NOTE Confidence: 0.829268929333333

00:27:04.820 --> 00:27:06.285 Initially starting we we didn't

NOTE Confidence: 0.829268929333333

00:27:06.285 --> 00:27:08.043 always have a great mechanism other

NOTE Confidence: 0.829268929333333

00:27:08.043 --> 00:27:09.758 than doing this by e-mail and so

NOTE Confidence: 0.829268929333333

00:27:09.758 --> 00:27:11.591 we're hoping with a little bit more

NOTE Confidence: 0.829268929333333

00:27:11.591 --> 00:27:13.162 infrastructure down we can make sure

NOTE Confidence: 0.829268929333333

00:27:13.162 --> 00:27:15.066 that we don't miss or delay projects

NOTE Confidence: 0.829268929333333

00:27:15.066 --> 00:27:17.816 as we give them formally into this process.

NOTE Confidence: 0.829268929333333

00:27:17.820 --> 00:27:20.179 Once that request is received in Redcap,

NOTE Confidence: 0.829268929333333

00:27:20.180 --> 00:27:21.924 David and Keen will reach out to set

NOTE Confidence: 0.829268929333333

00:27:21.924 --> 00:27:24.080 up an initial project scoping meeting,

NOTE Confidence: 0.829268929333333

00:27:24.080 --> 00:27:26.460 identify whether IRB's are needed,

NOTE Confidence: 0.829268929333333

00:27:26.460 --> 00:27:28.035 what type of specimens will be needed,

NOTE Confidence: 0.829268929333333

00:27:28.040 --> 00:27:30.512 what processing requirements,

NOTE Confidence: 0.829268929333333

00:27:30.512 --> 00:27:32.160 storage requirements.

NOTE Confidence: 0.829268929333333

00:27:32.160 --> 00:27:33.760 Once that's scoping and if

NOTE Confidence: 0.829268929333333

00:27:33.760 --> 00:27:35.360 needed the IRB are done.

NOTE Confidence: 0.829268929333333

00:27:35.360 --> 00:27:37.040 We'll then collaboratively work to

NOTE Confidence: 0.829268929333333

00:27:37.040 --> 00:27:39.795 design out an SOP for how we will

NOTE Confidence: 0.829268929333333

00:27:39.795 --> 00:27:41.811 acquire and transition and or ship

NOTE Confidence: 0.829268929333333

00:27:41.811 --> 00:27:44.122 specimens and as part of that process

NOTE Confidence: 0.829268929333333

00:27:44.122 --> 00:27:46.030 also generate an estimate of what

NOTE Confidence: 0.829268929333333

00:27:46.030 --> 00:27:48.235 that will cost per specimen and per

NOTE Confidence: 0.829268929333333

00:27:48.235 --> 00:27:50.047 project and then ultimately initiate

NOTE Confidence: 0.829268929333333

00:27:50.047 --> 00:27:52.634 that project which has been I think

NOTE Confidence: 0.829268929333333

00:27:52.634 --> 00:27:54.860 going generally pretty well to date.

NOTE Confidence: 0.829268929333333

00:27:54.860 --> 00:27:58.084 Next slide. And yeah, that's it.

NOTE Confidence: 0.829268929333333

00:27:58.084 --> 00:27:58.380 Perfect.

NOTE Confidence: 0.829268929333333

00:27:58.380 --> 00:27:59.018 And so,

NOTE Confidence: 0.829268929333333

00:27:59.018 --> 00:27:59.337 doctor,

NOTE Confidence: 0.829268929333333

00:27:59.337 --> 00:28:01.570 I'm not sure if you're able to

NOTE Confidence: 0.829268929333333

00:28:01.646 --> 00:28:03.725 pull up the that red cap link.

NOTE Confidence: 0.679058338

00:28:05.300 --> 00:28:06.056 Website, actually.

NOTE Confidence: 0.679058338

00:28:06.056 --> 00:28:07.936 Thank you, wade. Sounds good.

NOTE Confidence: 0.679058338

00:28:07.936 --> 00:28:09.428 Yeah, I will share.

NOTE Confidence: 0.679058338

00:28:09.430 --> 00:28:10.810 OK. Let me share it.

NOTE Confidence: 0.679058338

00:28:10.810 --> 00:28:12.560 Open up, share the website.

NOTE Confidence: 0.878525661

00:28:16.650 --> 00:28:18.260 So this is a website that you

NOTE Confidence: 0.878525661

00:28:18.260 --> 00:28:19.534 see my screen, right. Wait,

NOTE Confidence: 0.878525661

00:28:19.534 --> 00:28:22.006 can you see it? Yes. Yeah. OK yeah.

NOTE Confidence: 0.878525661

00:28:22.006 --> 00:28:24.590 See that you know this is under the

NOTE Confidence: 0.878525661

00:28:24.672 --> 00:28:27.402 school medicine and under the resources

NOTE Confidence: 0.878525661

00:28:27.402 --> 00:28:30.066 we investigator you have ISM Biobank.

NOTE Confidence: 0.878525661

00:28:30.070 --> 00:28:31.786 So you click it, this will,

NOTE Confidence: 0.878525661

00:28:31.790 --> 00:28:34.303 you know there are several type and

NOTE Confidence: 0.878525661

00:28:34.303 --> 00:28:36.886 you are available here that you know

NOTE Confidence: 0.878525661

00:28:36.886 --> 00:28:39.040 with some brief description and we

NOTE Confidence: 0.878525661

00:28:39.111 --> 00:28:41.887 mentioned to you is you know is critical.

NOTE Confidence: 0.878525661

00:28:41.890 --> 00:28:44.109 It's just ask you know when you

NOTE Confidence: 0.878525661

00:28:44.109 --> 00:28:45.698 have inquiries there's a phone

NOTE Confidence: 0.878525661

00:28:45.698 --> 00:28:47.414 number here and also they send.

NOTE Confidence: 0.878525661

00:28:47.420 --> 00:28:50.860 E-mail and the most important

NOTE Confidence: 0.878525661

00:28:50.860 --> 00:28:53.612 part is let's say.

NOTE Confidence: 0.878525661

00:28:53.620 --> 00:28:55.727 That the price pricing is all here

NOTE Confidence: 0.878525661

00:28:55.727 --> 00:28:58.027 who you are for your reference you
NOTE Confidence: 0.878525661
00:28:58.027 --> 00:29:00.438 know this is like the charge charge
NOTE Confidence: 0.878525661
00:29:00.438 --> 00:29:03.158 back rate for all the you know liquid
NOTE Confidence: 0.878525661
00:29:03.158 --> 00:29:05.735 pricing and tissue pricing and all
NOTE Confidence: 0.878525661
00:29:05.735 --> 00:29:07.970 the different services we provide
NOTE Confidence: 0.878525661
00:29:08.050 --> 00:29:10.610 and you can go from there and then
NOTE Confidence: 0.878525661
00:29:10.610 --> 00:29:13.342 the this is a brief description of
NOTE Confidence: 0.878525661
00:29:13.342 --> 00:29:15.694 the inventory you know David you
NOTE Confidence: 0.878525661
00:29:15.694 --> 00:29:17.364 know weight already mentioned you
NOTE Confidence: 0.878525661
00:29:17.364 --> 00:29:19.657 see this white this is what you need
NOTE Confidence: 0.878525661
00:29:19.657 --> 00:29:21.641 to do if you have any questions you
NOTE Confidence: 0.878525661
00:29:21.641 --> 00:29:23.985 say you wanted to build a study you.
NOTE Confidence: 0.878525661
00:29:23.990 --> 00:29:25.978 Wanted to find out what whether or
NOTE Confidence: 0.878525661
00:29:25.978 --> 00:29:28.388 not the Bank of Pennsylvania will in
NOTE Confidence: 0.878525661
00:29:28.388 --> 00:29:30.632 what aspect can support your research.
NOTE Confidence: 0.878525661
00:29:30.640 --> 00:29:32.800 This button request data specimen.

NOTE Confidence: 0.878525661

00:29:32.800 --> 00:29:34.480 You just click this button,

NOTE Confidence: 0.878525661

00:29:34.480 --> 00:29:37.052 this will come up.

NOTE Confidence: 0.878525661

00:29:37.052 --> 00:29:40.960 Yeah, you know how to do this with cars.

NOTE Confidence: 0.340074693333333

00:29:45.400 --> 00:29:46.678 Ohh, I'm useless.

NOTE Confidence: 0.704131407142857

00:29:49.880 --> 00:29:51.002 OK, begin survey.

NOTE Confidence: 0.704131407142857

00:29:51.002 --> 00:29:52.498 It's very simple one.

NOTE Confidence: 0.704131407142857

00:29:52.500 --> 00:29:55.279 All you need is the basic information

NOTE Confidence: 0.704131407142857

00:29:55.279 --> 00:29:58.100 you fill in and then either Kevin

NOTE Confidence: 0.704131407142857

00:29:58.100 --> 00:30:00.568 or David will reach, you know,

NOTE Confidence: 0.704131407142857

00:30:00.568 --> 00:30:03.240 reach out to you and to have a.

NOTE Confidence: 0.704131407142857

00:30:03.240 --> 00:30:05.529 Conversation with you to see what's your

NOTE Confidence: 0.704131407142857

00:30:05.529 --> 00:30:08.325 need and what how the bank can support you.

NOTE Confidence: 0.704131407142857

00:30:08.330 --> 00:30:09.986 I I think that this was a the in

NOTE Confidence: 0.704131407142857

00:30:09.986 --> 00:30:11.543 my moving forward that we would

NOTE Confidence: 0.704131407142857

00:30:11.543 --> 00:30:13.802 like to have you know it's you know

NOTE Confidence: 0.704131407142857

00:30:13.802 --> 00:30:15.277 certainly this would be probably

NOTE Confidence: 0.704131407142857

00:30:15.277 --> 00:30:18.105 will take some time to build you

NOTE Confidence: 0.704131407142857

00:30:18.105 --> 00:30:21.190 see the inventory area what we hope

NOTE Confidence: 0.704131407142857

00:30:21.190 --> 00:30:24.298 is someday is with all the you know

NOTE Confidence: 0.704131407142857

00:30:24.298 --> 00:30:26.782 start the tissue specimen within the

NOTE Confidence: 0.704131407142857

00:30:26.782 --> 00:30:29.249 bank will be categorized and with

NOTE Confidence: 0.704131407142857

00:30:29.249 --> 00:30:31.694 all the basic information for every

NOTE Confidence: 0.704131407142857

00:30:31.694 --> 00:30:34.190 investigator they will be able to

NOTE Confidence: 0.704131407142857

00:30:34.260 --> 00:30:36.647 see what kind of tissue what kind

NOTE Confidence: 0.704131407142857

00:30:36.647 --> 00:30:38.422 of specimen you know are there.

NOTE Confidence: 0.704131407142857

00:30:38.422 --> 00:30:40.860 In the bank and as before the general,

NOTE Confidence: 0.704131407142857

00:30:40.860 --> 00:30:42.260 you know start a bank.

NOTE Confidence: 0.704131407142857

00:30:42.260 --> 00:30:44.988 So, but that will take some time for

NOTE Confidence: 0.704131407142857

00:30:44.988 --> 00:30:47.944 us to build this entire inventory and

NOTE Confidence: 0.704131407142857

00:30:47.944 --> 00:30:51.360 make make it more more user friendly.

NOTE Confidence: 0.704131407142857

00:30:51.360 --> 00:30:53.439 So this is just a space holder

NOTE Confidence: 0.704131407142857

00:30:53.439 --> 00:30:55.219 right now that's what we have.

NOTE Confidence: 0.704131407142857

00:30:55.220 --> 00:30:55.524 OK.

NOTE Confidence: 0.704131407142857

00:30:55.524 --> 00:30:57.652 I think that that's about it the

NOTE Confidence: 0.704131407142857

00:30:57.652 --> 00:30:59.398 the brief introduction and more

NOTE Confidence: 0.704131407142857

00:30:59.398 --> 00:31:01.540 importantly is all you need is

NOTE Confidence: 0.704131407142857

00:31:01.540 --> 00:31:03.874 a go to website if you have it,

NOTE Confidence: 0.704131407142857

00:31:03.880 --> 00:31:06.538 just submit this request and we'll

NOTE Confidence: 0.704131407142857

00:31:06.538 --> 00:31:09.395 guarantee to talk with you and in

NOTE Confidence: 0.704131407142857

00:31:09.395 --> 00:31:11.733 in a timely manner and then then

NOTE Confidence: 0.704131407142857

00:31:11.817 --> 00:31:13.137 we go from there.

NOTE Confidence: 0.704131407142857

00:31:13.140 --> 00:31:14.948 So now we stop sharing and I think

NOTE Confidence: 0.704131407142857

00:31:14.948 --> 00:31:17.129 as I said what we really wanted to

NOTE Confidence: 0.704131407142857

00:31:17.129 --> 00:31:19.637 answer some of the questions you may have.

NOTE Confidence: 0.68854475

00:31:24.330 --> 00:31:28.070 Also. David, David Rim.

NOTE Confidence: 0.68854475

00:31:28.070 --> 00:31:30.570 Yeah, if you had David,

NOTE Confidence: 0.68854475

55

00:31:30.570 --> 00:31:31.818 you if you have you know

NOTE Confidence: 0.68854475

00:31:31.818 --> 00:31:33.195 you can share some of the

NOTE Confidence: 0.68854475

00:31:33.195 --> 00:31:34.435 inventory that would be good.

NOTE Confidence: 0.67248438

00:31:35.340 --> 00:31:36.738 So hi, this is Dave Rim.

NOTE Confidence: 0.67248438

00:31:36.740 --> 00:31:39.122 I'm the director of YP TSTL

NOTE Confidence: 0.67248438

00:31:39.122 --> 00:31:40.313 pathology tissue services.

NOTE Confidence: 0.67248438

00:31:40.320 --> 00:31:42.119 And just to give you a history,

NOTE Confidence: 0.67248438

00:31:42.120 --> 00:31:43.468 since 2007 we've been

NOTE Confidence: 0.67248438

00:31:43.468 --> 00:31:45.153 collecting tissue from the OR.

NOTE Confidence: 0.67248438

00:31:45.160 --> 00:31:46.800 So we've never collected blood.

NOTE Confidence: 0.67248438

00:31:46.800 --> 00:31:48.510 That's always been Wade Schultz

NOTE Confidence: 0.67248438

00:31:48.510 --> 00:31:50.220 and the laboratory medicine gang,

NOTE Confidence: 0.67248438

00:31:50.220 --> 00:31:52.260 but we have collected a fair

NOTE Confidence: 0.67248438

00:31:52.260 --> 00:31:53.620 bit of surgical tissue.

NOTE Confidence: 0.67248438

00:31:53.620 --> 00:31:55.060 But because of the financial

NOTE Confidence: 0.67248438

00:31:55.060 --> 00:31:56.854 situation at the time that as

NOTE Confidence: 0.67248438

00:31:56.854 --> 00:31:58.339 we were entirely cost recovery,

NOTE Confidence: 0.67248438

00:31:58.340 --> 00:31:59.552 we have Federated banks.

NOTE Confidence: 0.67248438

00:31:59.552 --> 00:32:01.774 And so here's our Federated banks that

NOTE Confidence: 0.67248438

00:32:01.774 --> 00:32:03.838 currently are present at the institution.

NOTE Confidence: 0.67248438

00:32:03.840 --> 00:32:05.556 You can see there's 11 Federated.

NOTE Confidence: 0.67248438

00:32:05.560 --> 00:32:08.444 Banks with some with dozens of specimens,

NOTE Confidence: 0.67248438

00:32:08.450 --> 00:32:10.520 some with hundreds of specimens and

NOTE Confidence: 0.67248438

00:32:10.520 --> 00:32:12.970 the PI's of these Federated banks

NOTE Confidence: 0.67248438

00:32:12.970 --> 00:32:16.162 are shown and this each of these are

NOTE Confidence: 0.67248438

00:32:16.162 --> 00:32:19.110 sort of a little bit under their own

NOTE Confidence: 0.67248438

00:32:19.110 --> 00:32:21.755 tent because we while we collect and

NOTE Confidence: 0.67248438

00:32:21.755 --> 00:32:24.005 distributed the tissue to them we

NOTE Confidence: 0.67248438

00:32:24.005 --> 00:32:26.410 did not govern what they did with it.

NOTE Confidence: 0.67248438

00:32:26.410 --> 00:32:27.676 They just had to sign that

NOTE Confidence: 0.67248438

00:32:27.676 --> 00:32:28.970 they were willing to share it.

NOTE Confidence: 0.67248438

00:32:28.970 --> 00:32:31.391 So there is if you look at this list

NOTE Confidence: 0.67248438

00:32:31.391 --> 00:32:34.129 and this is I can make this more

NOTE Confidence: 0.67248438

00:32:34.129 --> 00:32:36.099 publicly available but this is from.

NOTE Confidence: 0.67248438

00:32:36.100 --> 00:32:39.096 Collected by Ali Bhai who who leads

NOTE Confidence: 0.67248438

00:32:39.096 --> 00:32:41.229 the tissue distribution and analysis

NOTE Confidence: 0.67248438

00:32:41.229 --> 00:32:43.924 service and this this list allows you

NOTE Confidence: 0.67248438

00:32:43.924 --> 00:32:46.778 to find historical tissue specimens.

NOTE Confidence: 0.67248438

00:32:46.780 --> 00:32:48.136 Although some of these,

NOTE Confidence: 0.67248438

00:32:48.136 --> 00:32:50.170 for example tissues given to CD

NOTE Confidence: 0.67248438

00:32:50.232 --> 00:32:52.410 Chan and Richard Flavell are usually

NOTE Confidence: 0.67248438

00:32:52.410 --> 00:32:54.300 convert not stored but rather

NOTE Confidence: 0.67248438

00:32:54.300 --> 00:32:56.514 converted into PDX mice or similar.

NOTE Confidence: 0.67248438

00:32:56.520 --> 00:32:58.548 So they some of these banks

NOTE Confidence: 0.67248438

00:32:58.548 --> 00:32:59.900 have tissue and storage,

NOTE Confidence: 0.67248438

00:32:59.900 --> 00:33:01.856 some of them much less so.

NOTE Confidence: 0.67248438

00:33:01.860 --> 00:33:04.398 And they just used the tissue that and Yelp,

NOTE Confidence: 0.67248438

00:33:04.400 --> 00:33:06.388 Yelp pathology tissue services

NOTE Confidence: 0.67248438

00:33:06.388 --> 00:33:08.873 continues to provide service for

NOTE Confidence: 0.67248438

00:33:08.873 --> 00:33:11.029 delivering tissues from the OR

NOTE Confidence: 0.67248438

00:33:11.029 --> 00:33:12.613 to investigators and including

NOTE Confidence: 0.67248438

00:33:12.613 --> 00:33:14.347 to what we hope will soon be our

NOTE Confidence: 0.67248438

00:33:14.347 --> 00:33:15.499 biggest client to yell Biobank.

NOTE Confidence: 0.88875299

00:33:18.680 --> 00:33:19.508 Thank you, David.

NOTE Confidence: 0.736562937692308

00:33:24.570 --> 00:33:26.768 Any questions? Ohh, I have a one

NOTE Confidence: 0.736562937692308

00:33:26.768 --> 00:33:28.970 question you know I'll start reading.

NOTE Confidence: 0.736562937692308

00:33:28.970 --> 00:33:31.910 So someone asked for the historical samples,

NOTE Confidence: 0.736562937692308

00:33:31.910 --> 00:33:35.390 are they are there clinical correlates?

NOTE Confidence: 0.736562937692308

00:33:35.390 --> 00:33:36.886 The answer is yes.

NOTE Confidence: 0.736562937692308

00:33:36.886 --> 00:33:41.146 You know we all of the the the archived

NOTE Confidence: 0.736562937692308

00:33:41.146 --> 00:33:45.178 pathology tissue we have the corresponding.

NOTE Confidence: 0.736562937692308

00:33:45.180 --> 00:33:49.084 Solitary part that means some of the basic,

NOTE Confidence: 0.736562937692308

00:33:49.090 --> 00:33:51.410 you know, information related

NOTE Confidence: 0.736562937692308

00:33:51.410 --> 00:33:54.310 to the demographics and also

NOTE Confidence: 0.736562937692308

00:33:54.310 --> 00:33:56.940 pathological diagnosis are available.

NOTE Confidence: 0.736562937692308

00:33:56.940 --> 00:33:58.968 And the next question,

NOTE Confidence: 0.736562937692308

00:33:58.968 --> 00:34:00.996 is the Biorepository intended

NOTE Confidence: 0.736562937692308

00:34:00.996 --> 00:34:03.649 to accept only human samples?

NOTE Confidence: 0.736562937692308

00:34:03.650 --> 00:34:06.170 At the moment, yes, only human samples.

NOTE Confidence: 0.736562937692308

00:34:06.170 --> 00:34:09.746 We do not have plan on

NOTE Confidence: 0.736562937692308

00:34:09.746 --> 00:34:12.130 for animal tissues yet.

NOTE Confidence: 0.736562937692308

00:34:12.130 --> 00:34:13.880 But that is interesting question.

NOTE Confidence: 0.736562937692308

00:34:13.880 --> 00:34:16.805 We never thought about that but you know in

NOTE Confidence: 0.736562937692308

00:34:16.810 --> 00:34:19.954 I I think if we have the infrastructure,

NOTE Confidence: 0.736562937692308

00:34:19.960 --> 00:34:21.072 we have the resources,

NOTE Confidence: 0.736562937692308

00:34:21.072 --> 00:34:23.256 if there is a need, why not, right.

NOTE Confidence: 0.736562937692308

00:34:23.256 --> 00:34:25.502 But I think we we open to that

NOTE Confidence: 0.736562937692308

00:34:25.502 --> 00:34:27.536 idea but right now it's everything

NOTE Confidence: 0.736562937692308

00:34:27.536 --> 00:34:29.460 is focused on human tissue.

NOTE Confidence: 0.736562937692308

00:34:29.460 --> 00:34:31.980 The next question for cancer specimen

NOTE Confidence: 0.736562937692308

00:34:31.980 --> 00:34:35.478 is my is any sequencing or genomic

NOTE Confidence: 0.736562937692308

00:34:35.478 --> 00:34:40.120 data associated with the samples? Uh.

NOTE Confidence: 0.736562937692308

00:34:40.120 --> 00:34:42.577 I think that's a very complex question.

NOTE Confidence: 0.736562937692308

00:34:42.580 --> 00:34:43.576 In other words,

NOTE Confidence: 0.736562937692308

00:34:43.576 --> 00:34:45.900 a lot of our patients would have

NOTE Confidence: 0.736562937692308

00:34:45.971 --> 00:34:48.110 genomic sequence available, right.

NOTE Confidence: 0.736562937692308

00:34:48.110 --> 00:34:50.540 I mean it's part of as a part of

NOTE Confidence: 0.736562937692308

00:34:50.610 --> 00:34:53.143 their clinical pathological diagnosis,

NOTE Confidence: 0.736562937692308

00:34:53.143 --> 00:34:56.458 but right now we don't.

NOTE Confidence: 0.736562937692308

00:34:56.460 --> 00:34:59.040 We don't have a mechanism to

NOTE Confidence: 0.736562937692308

00:34:59.040 --> 00:35:01.677 link the archive tissue with the

NOTE Confidence: 0.736562937692308

00:35:01.677 --> 00:35:03.398 genomic data yet right.

NOTE Confidence: 0.736562937692308

00:35:03.398 --> 00:35:06.744 So that certainly is the put that

NOTE Confidence: 0.736562937692308

00:35:06.744 --> 00:35:09.120 way certainly they are there.

NOTE Confidence: 0.736562937692308

00:35:09.120 --> 00:35:11.256 You know we have probably sequence

NOTE Confidence: 0.736562937692308

00:35:11.256 --> 00:35:13.814 close 3000 cancer tissues you know in

NOTE Confidence: 0.736562937692308

00:35:13.814 --> 00:35:15.594 Department of Pathology alone right.

NOTE Confidence: 0.736562937692308

00:35:15.600 --> 00:35:17.605 So those genomic information are

NOTE Confidence: 0.736562937692308

00:35:17.605 --> 00:35:20.424 available but The thing is linking back

NOTE Confidence: 0.736562937692308

00:35:20.424 --> 00:35:23.014 so that neither worked one not only.

NOTE Confidence: 0.736562937692308

00:35:23.020 --> 00:35:26.388 So we haven't overcome the IRB issue yet.

NOTE Confidence: 0.736562937692308

00:35:26.390 --> 00:35:29.072 How can we link that back after we link

NOTE Confidence: 0.736562937692308

00:35:29.072 --> 00:35:31.888 those tissue with genomic information back,

NOTE Confidence: 0.736562937692308

00:35:31.890 --> 00:35:33.582 so how we can use that

NOTE Confidence: 0.736562937692308

00:35:33.582 --> 00:35:34.428 information for research.

NOTE Confidence: 0.736562937692308

00:35:34.430 --> 00:35:37.188 So it's very active conversation right now.

NOTE Confidence: 0.736562937692308

00:35:37.190 --> 00:35:38.989 I think that's the thing you know,

NOTE Confidence: 0.736562937692308

00:35:38.990 --> 00:35:40.971 I hope that the bank will be

NOTE Confidence: 0.736562937692308

00:35:40.971 --> 00:35:43.420 able to to to help in this area.

NOTE Confidence: 0.736562937692308

00:35:43.420 --> 00:35:46.542 That's for now then they they next

NOTE Confidence: 0.736562937692308

00:35:46.542 --> 00:35:49.142 question are there healthy control

NOTE Confidence: 0.736562937692308

00:35:49.142 --> 00:35:52.192 samples able able to you know

NOTE Confidence: 0.736562937692308

00:35:52.192 --> 00:35:55.634 able to age and gender match with

NOTE Confidence: 0.736562937692308

00:35:55.634 --> 00:35:58.760 the study samples we may have?

NOTE Confidence: 0.736562937692308

00:35:58.760 --> 00:36:01.292 Yes, this can be done, no.

NOTE Confidence: 0.736562937692308

00:36:01.292 --> 00:36:03.896 But The thing is it's certainly not

NOTE Confidence: 0.736562937692308

00:36:03.896 --> 00:36:06.272 the regular banking functionality and

NOTE Confidence: 0.736562937692308

00:36:06.272 --> 00:36:08.862 for your risk particular research

NOTE Confidence: 0.736562937692308

00:36:08.862 --> 00:36:11.641 project you wanted to build age

NOTE Confidence: 0.736562937692308

00:36:11.641 --> 00:36:13.721 matched cohort and that's exactly

NOTE Confidence: 0.736562937692308

00:36:13.721 --> 00:36:15.220 you need to work with us.

NOTE Confidence: 0.736562937692308

00:36:15.220 --> 00:36:17.836 We build a you know project for you

NOTE Confidence: 0.736562937692308

00:36:17.836 --> 00:36:20.539 and then we will be able to help you

NOTE Confidence: 0.736562937692308

00:36:20.539 --> 00:36:23.097 to get all those samples for you.

NOTE Confidence: 0.736562937692308

00:36:23.100 --> 00:36:25.760 Next question.

NOTE Confidence: 0.736562937692308

00:36:25.760 --> 00:36:29.582 Is there a plan for how investigator

NOTE Confidence: 0.736562937692308

00:36:29.582 --> 00:36:33.172 initiate the samples can be shared to

NOTE Confidence: 0.736562937692308

00:36:33.172 --> 00:36:35.880 reduce waste for compatible research goals?

NOTE Confidence: 0.736562937692308

00:36:35.880 --> 00:36:36.770 For example,

NOTE Confidence: 0.736562937692308

00:36:36.770 --> 00:36:39.326 if one person is collecting biopsy,

NOTE Confidence: 0.736562937692308

00:36:39.330 --> 00:36:42.284 is there a way for other investigator

NOTE Confidence: 0.736562937692308

00:36:42.284 --> 00:36:45.190 to be aware of actual samples?

NOTE Confidence: 0.736562937692308

00:36:45.190 --> 00:36:47.134 You know our request,

NOTE Confidence: 0.736562937692308

00:36:47.134 --> 00:36:50.493 this is exactly you see David showed

NOTE Confidence: 0.736562937692308

00:36:50.493 --> 00:36:53.151 you all the federal Federated banks

NOTE Confidence: 0.736562937692308

00:36:53.151 --> 00:36:55.580 and with different investigators.

NOTE Confidence: 0.736562937692308

00:36:55.580 --> 00:36:57.722 Right now there is no common

NOTE Confidence: 0.736562937692308

00:36:57.722 --> 00:36:59.150 platform to make those

NOTE Confidence: 0.894825613333333

00:36:59.228 --> 00:37:00.350 tissues visible.

NOTE Confidence: 0.894825613333333

00:37:00.350 --> 00:37:03.134 Actually we have been talking with all those,

NOTE Confidence: 0.894825613333333

00:37:03.140 --> 00:37:06.356 some of the investigators who holding

NOTE Confidence: 0.894825613333333

00:37:06.356 --> 00:37:08.500 their programs basically banks.

NOTE Confidence: 0.894825613333333

00:37:08.500 --> 00:37:13.068 So that idea moving forward is all those.

NOTE Confidence: 0.894825613333333

00:37:13.070 --> 00:37:15.246 Individual organize the banks,

NOTE Confidence: 0.894825613333333

00:37:15.246 --> 00:37:19.697 at least they their tissue will be somehow

NOTE Confidence: 0.894825613333333

00:37:19.697 --> 00:37:22.985 visible through the Y Ambar repository.

NOTE Confidence: 0.894825613333333

00:37:22.990 --> 00:37:24.430 So in other words,

NOTE Confidence: 0.894825613333333

00:37:24.430 --> 00:37:26.230 while while some repository serve

NOTE Confidence: 0.894825613333333

00:37:26.230 --> 00:37:28.403 as a information bulleting board

NOTE Confidence: 0.894825613333333

00:37:28.403 --> 00:37:30.583 or like inventory for example,

NOTE Confidence: 0.894825613333333

00:37:30.590 --> 00:37:32.806 you will be able to see all the

NOTE Confidence: 0.894825613333333

00:37:32.806 --> 00:37:34.366 Melanoma tissue collected over time

NOTE Confidence: 0.894825613333333

00:37:34.366 --> 00:37:36.557 and all the you know the lymphoma

NOTE Confidence: 0.894825613333333

00:37:36.619 --> 00:37:38.509 bone marrow collected over time.

NOTE Confidence: 0.894825613333333

00:37:38.510 --> 00:37:40.310 However, the BIOREPOSITORY can

NOTE Confidence: 0.894825613333333

00:37:40.310 --> 00:37:43.010 serve as a liaison to connect.

NOTE Confidence: 0.894825613333333

00:37:43.010 --> 00:37:45.578 In the individual investigators

NOTE Confidence: 0.894825613333333

00:37:45.578 --> 00:37:48.146 with the original bank.

NOTE Confidence: 0.894825613333333

00:37:48.150 --> 00:37:49.690 Owners in other words, right.

NOTE Confidence: 0.894825613333333

00:37:49.690 --> 00:37:51.900 So this is a part of that you can see

NOTE Confidence: 0.894825613333333

00:37:51.962 --> 00:37:54.298 the scope of the work for the power

NOTE Confidence: 0.894825613333333

00:37:54.298 --> 00:37:57.438 repository is really set up you know

NOTE Confidence: 0.894825613333333

00:37:57.438 --> 00:38:00.630 program specific or program focused banking.

NOTE Confidence: 0.894825613333333

00:38:00.630 --> 00:38:04.053 So we just wanted to hope this

NOTE Confidence: 0.894825613333333

00:38:04.053 --> 00:38:06.979 invest this wise I'm positive.

NOTE Confidence: 0.894825613333333

00:38:06.980 --> 00:38:08.230 There are positive to serve

NOTE Confidence: 0.894825613333333

00:38:08.230 --> 00:38:09.230 as a common platform.

NOTE Confidence: 0.894825613333333

00:38:09.230 --> 00:38:11.260 It's kind of a I may not

NOTE Confidence: 0.894825613333333

00:38:11.260 --> 00:38:13.330 be a very good analogy.

NOTE Confidence: 0.894825613333333

00:38:13.330 --> 00:38:14.780 It's almost like an Amazon

NOTE Confidence: 0.894825613333333

00:38:14.780 --> 00:38:16.230 type of thing you have,

NOTE Confidence: 0.894825613333333

00:38:16.230 --> 00:38:17.510 you go through Amazon,

NOTE Confidence: 0.894825613333333

00:38:17.510 --> 00:38:19.430 you will be see everything and

NOTE Confidence: 0.894825613333333

00:38:19.497 --> 00:38:21.247 actually there are different users

NOTE Confidence: 0.894825613333333

00:38:21.247 --> 00:38:23.550 and behind the scene to surreal.

NOTE Confidence: 0.22948214

00:38:25.610 --> 00:38:26.130 Uh.

NOTE Confidence: 0.809322025

00:38:29.640 --> 00:38:31.260 I I think that's about it.

NOTE Confidence: 0.809322025

00:38:31.260 --> 00:38:34.050 So far I have any.

NOTE Confidence: 0.809322025

00:38:34.050 --> 00:38:35.920 Other question you may have

NOTE Confidence: 0.809322025

00:38:35.920 --> 00:38:37.790 or comments please just turn

NOTE Confidence: 0.809322025

00:38:37.859 --> 00:38:39.629 on your speaker and this is

NOTE Confidence: 0.809322025

00:38:39.629 --> 00:38:42.530 the talk we have several pages

NOTE Confidence: 0.809322025

00:38:42.530 --> 00:38:44.480 we I cannot see everyone.

NOTE Confidence: 0.781912946666667

00:38:55.550 --> 00:38:56.459 There's another question

NOTE Confidence: 0.886057674

00:38:56.470 --> 00:39:00.450 in the chat now, doctor. OK.

NOTE Confidence: 0.765997548947368

00:39:00.450 --> 00:39:03.159 An extra tube of blood for research

NOTE Confidence: 0.765997548947368

00:39:03.159 --> 00:39:05.827 is consented for and draw in an

NOTE Confidence: 0.765997548947368

00:39:05.827 --> 00:39:07.607 off main campus your clinic.

NOTE Confidence: 0.765997548947368

00:39:07.610 --> 00:39:09.535 Is there existing workflow to

NOTE Confidence: 0.765997548947368

00:39:09.535 --> 00:39:11.946 transport the tube of the fresh

NOTE Confidence: 0.765997548947368

00:39:11.946 --> 00:39:14.406 blood to the biorepository and all?

NOTE Confidence: 0.765997548947368

00:39:14.410 --> 00:39:17.050 Does the patient have to come to Disney?

NOTE Confidence: 0.765997548947368

00:39:17.050 --> 00:39:20.895 Philip. Any area on the main campus for

NOTE Confidence: 0.765997548947368

00:39:20.895 --> 00:39:23.368 research applied to draw, maybe I will,

NOTE Confidence: 0.765997548947368

00:39:23.368 --> 00:39:25.860 I will turn this to a weight.

NOTE Confidence: 0.765997548947368

00:39:25.860 --> 00:39:27.911 I think that there is a mechanism

NOTE Confidence: 0.765997548947368

00:39:27.911 --> 00:39:29.420 to to do the job.

NOTE Confidence: 0.765997548947368

00:39:29.420 --> 00:39:31.756 But I think so far at the moment

NOTE Confidence: 0.765997548947368

00:39:31.756 --> 00:39:34.058 we don't have a regular Courier,

NOTE Confidence: 0.765997548947368

00:39:34.060 --> 00:39:36.444 we don't have a service in the weather.

NOTE Confidence: 0.827013558571428

00:39:37.040 --> 00:39:39.217 So we do for some select sites.

NOTE Confidence: 0.827013558571428

00:39:39.220 --> 00:39:41.920 So it depends a little bit on the sample

NOTE Confidence: 0.827013558571428

00:39:41.920 --> 00:39:44.086 stability as well as which site and what

NOTE Confidence: 0.827013558571428

00:39:44.086 --> 00:39:46.360 type of tube or blood is being drawn.

NOTE Confidence: 0.827013558571428

00:39:46.360 --> 00:39:48.565 So we have been doing this with.

NOTE Confidence: 0.827013558571428

00:39:48.570 --> 00:39:50.594 North Haven barely successfully

NOTE Confidence: 0.827013558571428

00:39:50.594 --> 00:39:53.630 and have options for other sites

NOTE Confidence: 0.827013558571428

00:39:53.630 --> 00:39:55.510 and so there I would say it it

NOTE Confidence: 0.827013558571428

00:39:55.510 --> 00:39:57.448 depends a little bit on frequency.

NOTE Confidence: 0.827013558571428

00:39:57.450 --> 00:39:58.941 You know if it's a site that

NOTE Confidence: 0.827013558571428

00:39:58.941 --> 00:40:00.714 doesn't do it often even if they

NOTE Confidence: 0.827013558571428

00:40:00.714 --> 00:40:02.640 mechanism in place just not having it

NOTE Confidence: 0.827013558571428

00:40:02.640 --> 00:40:04.418 routine in the workflow can lead to

NOTE Confidence: 0.827013558571428

00:40:04.418 --> 00:40:05.758 mistakes or things getting missed.

NOTE Confidence: 0.827013558571428

00:40:05.758 --> 00:40:08.524 But I would say if there is a study that

NOTE Confidence: 0.827013558571428

00:40:08.524 --> 00:40:10.746 needs it is something that we have scoped

NOTE Confidence: 0.827013558571428

00:40:10.746 --> 00:40:12.828 out and can potentially work through.

NOTE Confidence: 0.827013558571428

00:40:12.830 --> 00:40:14.783 Dave not sure if you have any other comments.

NOTE Confidence: 0.827013558571428

00:40:14.790 --> 00:40:17.262 So we right now we've basically

NOTE Confidence: 0.827013558571428

00:40:17.262 --> 00:40:19.449 piggybacked with the clinical lab to.

NOTE Confidence: 0.827013558571428

00:40:19.450 --> 00:40:21.120 To move samples to us,

NOTE Confidence: 0.827013558571428

00:40:21.120 --> 00:40:23.838 but we do have a an account with the

NOTE Confidence: 0.827013558571428

00:40:23.838 --> 00:40:26.219 Courier that they use separately that

NOTE Confidence: 0.827013558571428

00:40:26.219 --> 00:40:28.308 we've not deployed on a wide scale yet.

NOTE Confidence: 0.827013558571428

00:40:28.308 --> 00:40:30.226 But a question like that is we

NOTE Confidence: 0.827013558571428

00:40:30.226 --> 00:40:31.816 handle it on a one off basis.

NOTE Confidence: 0.827013558571428

00:40:31.820 --> 00:40:33.840 We we find out you know where it comes from,

NOTE Confidence: 0.827013558571428

00:40:33.840 --> 00:40:34.426 if it,

NOTE Confidence: 0.827013558571428

00:40:34.426 --> 00:40:36.084 if the group that's handling it

NOTE Confidence: 0.827013558571428

00:40:36.084 --> 00:40:37.778 is like a clinical lab it's easy.

NOTE Confidence: 0.827013558571428

00:40:37.780 --> 00:40:39.560 If it's a if it's not it gets a little

NOTE Confidence: 0.827013558571428

00:40:39.614 --> 00:40:41.259 more complicated but it's possible.

NOTE Confidence: 0.68055046

00:40:45.770 --> 00:40:48.306 So that for tracking the storage of

NOTE Confidence: 0.68055046

00:40:48.306 --> 00:40:51.059 the samples right now the ones that we

NOTE Confidence: 0.68055046

00:40:51.059 --> 00:40:53.589 have on our side we keep in basically

NOTE Confidence: 0.68055046

00:40:53.589 --> 00:40:56.469 one of our internal IT systems and our

NOTE Confidence: 0.68055046

00:40:56.470 --> 00:40:59.278 moving more and more of that into a

NOTE Confidence: 0.68055046

00:40:59.278 --> 00:41:01.862 platform called Freezer Works and the

NOTE Confidence: 0.68055046

00:41:01.862 --> 00:41:03.686 freezers themselves are temperature

NOTE Confidence: 0.68055046

00:41:03.686 --> 00:41:06.010 monitored using the aeroscout system.

NOTE Confidence: 0.68055046

00:41:06.010 --> 00:41:08.397 So we've got the appropriate monitoring on

NOTE Confidence: 0.68055046

00:41:08.397 --> 00:41:10.727 on those freezers to track the location,

NOTE Confidence: 0.68055046

00:41:10.730 --> 00:41:11.921 the inventory and.

NOTE Confidence: 0.68055046

00:41:11.921 --> 00:41:13.906 The storage conditions for them.

NOTE Confidence: 0.858167276666667

00:41:15.550 --> 00:41:17.290 With another question for you is,

NOTE Confidence: 0.858167276666667

00:41:17.290 --> 00:41:21.504 is there a supply of human health?

NOTE Confidence: 0.858167276666667

00:41:21.510 --> 00:41:23.670 Healthy human blood. Yeah.

NOTE Confidence: 0.868873763157895

00:41:23.680 --> 00:41:25.626 So right now, no, often because the

NOTE Confidence: 0.868873763157895

71

00:41:25.626 --> 00:41:27.250 definition of healthy can vary a

NOTE Confidence: 0.868873763157895

00:41:27.250 --> 00:41:28.714 little bit depending on the study.

NOTE Confidence: 0.868873763157895

00:41:28.720 --> 00:41:30.631 So it is something that we are

NOTE Confidence: 0.868873763157895

00:41:30.631 --> 00:41:32.254 interested in of if we can make

NOTE Confidence: 0.868873763157895

00:41:32.254 --> 00:41:35.010 a more generic here are just here

NOTE Confidence: 0.868873763157895

00:41:35.010 --> 00:41:36.760 is blood from those patients.

NOTE Confidence: 0.868873763157895

00:41:36.760 --> 00:41:39.070 But because of the range of specimen

NOTE Confidence: 0.868873763157895

00:41:39.070 --> 00:41:41.200 stability and what counts is healthy,

NOTE Confidence: 0.868873763157895

00:41:41.200 --> 00:41:43.736 we don't necessarily have an inventory of it.

NOTE Confidence: 0.868873763157895

00:41:43.740 --> 00:41:45.836 One thing we can do is if there

NOTE Confidence: 0.868873763157895

00:41:45.836 --> 00:41:48.338 is a specific request for that.

NOTE Confidence: 0.868873763157895

00:41:48.340 --> 00:41:50.300 So if you said we would like to

NOTE Confidence: 0.868873763157895

00:41:50.300 --> 00:41:52.838 get 50 samples in this age range

NOTE Confidence: 0.868873763157895

00:41:52.838 --> 00:41:54.418 without this medical history.

NOTE Confidence: 0.868873763157895

00:41:54.420 --> 00:41:56.541 Zero or red cells or whole blood

NOTE Confidence: 0.868873763157895

00:41:56.541 --> 00:41:58.140 obtained within this time frame.

NOTE Confidence: 0.868873763157895

00:41:58.140 --> 00:41:59.980 Those are projects that we can do and

NOTE Confidence: 0.868873763157895

00:41:59.980 --> 00:42:01.772 then do those collections potentially

NOTE Confidence: 0.868873763157895

00:42:01.772 --> 00:42:03.897 through clinical excess or through

NOTE Confidence: 0.868873763157895

00:42:03.897 --> 00:42:05.676 consented pathways depending on the

NOTE Confidence: 0.868873763157895

00:42:05.676 --> 00:42:07.720 needs of the study and IRB requirements.

NOTE Confidence: 0.7291154625

00:42:10.580 --> 00:42:13.373 So the next question that we'll each

NOTE Confidence: 0.7291154625

00:42:13.373 --> 00:42:15.159 sample have integrated annotation

NOTE Confidence: 0.7291154625

00:42:15.159 --> 00:42:17.759 diagnostic description from IPEC into

NOTE Confidence: 0.7291154625

00:42:17.759 --> 00:42:20.273 the power pastoralis freezer works

NOTE Confidence: 0.7291154625

00:42:20.273 --> 00:42:22.779 question mark all will there will there

NOTE Confidence: 0.7291154625

00:42:22.779 --> 00:42:27.440 need to be another manually wait yeah

NOTE Confidence: 0.755518063888889

00:42:27.450 --> 00:42:29.220 yeah so you know they're again

NOTE Confidence: 0.755518063888889

00:42:29.220 --> 00:42:31.025 depends on the scope and need

NOTE Confidence: 0.755518063888889

00:42:31.025 --> 00:42:32.717 as well as the RV limitations.

NOTE Confidence: 0.755518063888889

00:42:32.720 --> 00:42:35.198 So if you have approval to see

NOTE Confidence: 0.755518063888889

00:42:35.198 --> 00:42:37.180 identifiers for the biospecimens

NOTE Confidence: 0.755518063888889

00:42:37.180 --> 00:42:39.045 manually annotation is an option

NOTE Confidence: 0.755518063888889

00:42:39.045 --> 00:42:40.537 then if it's deidentified.

NOTE Confidence: 0.755518063888889

00:42:40.540 --> 00:42:42.276 Which is not currently

NOTE Confidence: 0.755518063888889

00:42:42.276 --> 00:42:44.446 for the specimens that Rd.

NOTE Confidence: 0.755518063888889

00:42:44.450 --> 00:42:46.760 identified depending on the scope of

NOTE Confidence: 0.755518063888889

00:42:46.760 --> 00:42:48.994 the data request that is something

NOTE Confidence: 0.755518063888889

00:42:48.994 --> 00:42:51.490 that we do have a charge system to

NOTE Confidence: 0.755518063888889

00:42:51.558 --> 00:42:53.413 be able to support or work with

NOTE Confidence: 0.755518063888889

00:42:53.413 --> 00:42:54.954 J at the joint data analytics

NOTE Confidence: 0.755518063888889

00:42:54.954 --> 00:42:56.209 team to provide those data.

NOTE Confidence: 0.755518063888889

00:42:56.210 --> 00:42:57.746 So while it's deidentified

NOTE Confidence: 0.755518063888889

00:42:57.746 --> 00:42:58.898 to the investigator,

NOTE Confidence: 0.755518063888889

00:42:58.900 --> 00:43:01.852 we can work with Jack to operate as an

NOTE Confidence: 0.755518063888889

00:43:01.852 --> 00:43:04.817 honest broker to get clinical annotations.

NOTE Confidence: 0.755518063888889

00:43:04.820 --> 00:43:06.276 The complexity and timeline

NOTE Confidence: 0.755518063888889

00:43:06.276 --> 00:43:08.460 for that depends on how many

NOTE Confidence: 0.755518063888889

00:43:08.528 --> 00:43:10.738 clinical variables are needed and.

NOTE Confidence: 0.755518063888889

00:43:10.740 --> 00:43:13.122 How many of those are direct

NOTE Confidence: 0.755518063888889

00:43:13.122 --> 00:43:14.710 annotations or structured within

NOTE Confidence: 0.755518063888889

00:43:14.783 --> 00:43:16.088 Epic versus less structured?

NOTE Confidence: 0.755518063888889

00:43:16.088 --> 00:43:18.146 Or maybe in clinical notes and might

NOTE Confidence: 0.755518063888889

00:43:18.146 --> 00:43:19.809 need actual manual abstraction?

NOTE Confidence: 0.7627147

00:43:22.080 --> 00:43:23.300 And then the next question,

NOTE Confidence: 0.7627147

00:43:23.300 --> 00:43:26.012 what is the relationship of this

NOTE Confidence: 0.7627147

00:43:26.012 --> 00:43:28.889 versus the White YTS and which

NOTE Confidence: 0.7627147

00:43:28.889 --> 00:43:31.329 is now your pathology service,

NOTE Confidence: 0.7627147

00:43:31.330 --> 00:43:33.365 tissue service is a specimen

NOTE Confidence: 0.7627147

00:43:33.365 --> 00:43:36.118 collection that had been done by them

NOTE Confidence: 0.7627147

00:43:36.118 --> 00:43:38.358 now being done by this fall back.

NOTE Confidence: 0.7627147

00:43:38.360 --> 00:43:40.088 No, I think this is sort

NOTE Confidence: 0.7627147

00:43:40.088 --> 00:43:41.240 of a separate entity.

NOTE Confidence: 0.7627147

00:43:41.240 --> 00:43:44.551 You know this still YTS is another

NOTE Confidence: 0.7627147

00:43:44.551 --> 00:43:47.645 university USP core service and the

NOTE Confidence: 0.7627147

00:43:47.645 --> 00:43:50.796 BIOREPOSITORY is a different USB service.

NOTE Confidence: 0.7627147

00:43:50.796 --> 00:43:52.344 So we worked.

NOTE Confidence: 0.7627147

00:43:52.344 --> 00:43:54.924 That we work together collaboratively

NOTE Confidence: 0.7627147

00:43:54.924 --> 00:43:57.997 depending on need as therefore YT PS service

NOTE Confidence: 0.7627147

00:43:57.997 --> 00:44:01.198 you know they provided you know different,

NOTE Confidence: 0.7627147

00:44:01.200 --> 00:44:03.762 you know to all the investigator

NOTE Confidence: 0.7627147

00:44:03.762 --> 00:44:05.920 depending on the specific need.

NOTE Confidence: 0.7627147

00:44:05.920 --> 00:44:08.572 So I think that that function

NOTE Confidence: 0.7627147

00:44:08.572 --> 00:44:10.340 anality continued to exist.

NOTE Confidence: 0.7627147

00:44:10.340 --> 00:44:12.891 There is no merge,

NOTE Confidence: 0.7627147

00:44:12.891 --> 00:44:15.746 you know there is no.

NOTE Confidence: 0.7627147

00:44:15.750 --> 00:44:16.250 Exclusivity.

NOTE Confidence: 0.7627147

00:44:16.250 --> 00:44:17.750 In other words,

NOTE Confidence: 0.7627147

00:44:17.750 --> 00:44:20.640 both entities exist as separate call.

NOTE Confidence: 0.60582066

00:44:26.580 --> 00:44:26.970 OK.

NOTE Confidence: 0.8286689

00:44:30.120 --> 00:44:31.608 Any other questions?

NOTE Confidence: 0.875547650833333

00:44:35.920 --> 00:44:38.391 I hope after the session we'll receive

NOTE Confidence: 0.875547650833333

00:44:38.391 --> 00:44:40.593 more requests through the website, right?

NOTE Confidence: 0.875547650833333

00:44:40.593 --> 00:44:43.577 As I said, the more we use it,

NOTE Confidence: 0.875547650833333

00:44:43.580 --> 00:44:45.950 the better, because we are.

NOTE Confidence: 0.875547650833333

00:44:45.950 --> 00:44:47.889 In the business of trying to say,

NOTE Confidence: 0.875547650833333

00:44:47.890 --> 00:44:52.104 promote human tissue usage for your research,

NOTE Confidence: 0.875547650833333

00:44:52.110 --> 00:44:54.198 and the other thing is right

NOTE Confidence: 0.875547650833333

00:44:54.198 --> 00:44:56.749 now for for your grand support,

NOTE Confidence: 0.875547650833333

00:44:56.750 --> 00:44:58.835 there is really no fees

NOTE Confidence: 0.875547650833333

00:44:58.835 --> 00:45:00.503 for supporting your grant.

NOTE Confidence: 0.875547650833333

00:45:00.510 --> 00:45:01.434 In other words,

NOTE Confidence: 0.875547650833333

00:45:01.434 --> 00:45:03.590 if you want to submit a proposal,

NOTE Confidence: 0.875547650833333

00:45:03.590 --> 00:45:05.067 you want to build a budget for,

NOTE Confidence: 0.875547650833333

00:45:05.070 --> 00:45:07.550 you know, for our repository,

NOTE Confidence: 0.875547650833333

00:45:07.550 --> 00:45:09.646 we can work with you to help you

NOTE Confidence: 0.875547650833333

00:45:09.646 --> 00:45:11.343 to build the budget and help

NOTE Confidence: 0.875547650833333

00:45:11.343 --> 00:45:13.450 you to write it all the pages,

NOTE Confidence: 0.875547650833333

00:45:13.450 --> 00:45:15.900 all the documents needed for the power.

NOTE Confidence: 0.875547650833333

00:45:15.900 --> 00:45:17.718 Grocery and there's no fee for

NOTE Confidence: 0.875547650833333

00:45:17.718 --> 00:45:19.797 that and then you just we can

NOTE Confidence: 0.875547650833333

00:45:19.797 --> 00:45:21.652 work with you on that as well.

NOTE Confidence: 0.787693791666667

00:45:23.370 --> 00:45:24.306 And one more question,

NOTE Confidence: 0.787693791666667

00:45:24.306 --> 00:45:26.478 is there a process by in place so that

NOTE Confidence: 0.787693791666667

00:45:26.478 --> 00:45:28.151 if the patient decides they do not

NOTE Confidence: 0.787693791666667

00:45:28.201 --> 00:45:29.929 want their samples used for research

NOTE Confidence: 0.787693791666667

00:45:29.929 --> 00:45:31.466 or certain aspects of research,

NOTE Confidence: 0.787693791666667

00:45:31.466 --> 00:45:33.485 they can be withdrawn? Yes.

NOTE Confidence: 0.787693791666667

00:45:33.485 --> 00:45:36.575 So for clinical excess specimens in

NOTE Confidence: 0.787693791666667

00:45:36.575 --> 00:45:39.170 particular, if a patient has done

NOTE Confidence: 0.787693791666667

00:45:39.170 --> 00:45:41.770 the opt out process through EPIC,

NOTE Confidence: 0.787693791666667

00:45:41.770 --> 00:45:43.504 we will not those get screened

NOTE Confidence: 0.787693791666667

00:45:43.504 --> 00:45:45.249 out before we even get them.

NOTE Confidence: 0.787693791666667

00:45:45.250 --> 00:45:47.791 And if that opt out comes later

NOTE Confidence: 0.787693791666667

00:45:47.791 --> 00:45:49.690 for the identified specimens,

NOTE Confidence: 0.787693791666667

00:45:49.690 --> 00:45:52.126 we would no longer pull those specimens.

NOTE Confidence: 0.787693791666667

00:45:52.130 --> 00:45:55.136 There is not currently an easy way to say.

NOTE Confidence: 0.787693791666667

00:45:55.140 --> 00:45:56.468 Withdraw from certain aspects

NOTE Confidence: 0.787693791666667

00:45:56.468 --> 00:45:57.796 of research at Yale,

NOTE Confidence: 0.787693791666667

00:45:57.800 --> 00:46:01.176 it's mostly a opt in or opt out.

NOTE Confidence: 0.787693791666667

00:46:01.180 --> 00:46:03.399 But then there are some of the

NOTE Confidence: 0.787693791666667

00:46:03.399 --> 00:46:05.154 additional things like the umbrella

NOTE Confidence: 0.787693791666667

00:46:05.154 --> 00:46:07.380 consent that we can screen specifically

NOTE Confidence: 0.787693791666667

00:46:07.380 --> 00:46:09.584 for those types of consents for

NOTE Confidence: 0.787693791666667

00:46:09.584 --> 00:46:11.888 more extended use of the specimens.

NOTE Confidence: 0.787693791666667

00:46:11.890 --> 00:46:14.058 So that the the easy answer is yes,

NOTE Confidence: 0.787693791666667

00:46:14.060 --> 00:46:15.400 there is a process.

NOTE Confidence: 0.787693791666667

00:46:15.400 --> 00:46:17.902 It can be more nuanced and something

NOTE Confidence: 0.787693791666667

00:46:17.902 --> 00:46:20.392 that we are continuing to work

NOTE Confidence: 0.787693791666667

00:46:20.392 --> 00:46:23.247 through with the IRB on a per study

NOTE Confidence: 0.787693791666667

00:46:23.247 --> 00:46:25.454 basis as well of making sure that.

NOTE Confidence: 0.787693791666667

00:46:25.454 --> 00:46:27.813 Those protections and options are in place.

NOTE Confidence: 0.600641067571429

00:46:32.960 --> 00:46:38.119 OK. Umm. There are another question here.

NOTE Confidence: 0.600641067571429

00:46:38.120 --> 00:46:40.538 This may be a naive question,

NOTE Confidence: 0.600641067571429

00:46:40.540 --> 00:46:44.980 but do we need to participate in the?

NOTE Confidence: 0.600641067571429

00:46:44.980 --> 00:46:49.260 Replenishment of samples we request.

NOTE Confidence: 0.600641067571429

00:46:49.260 --> 00:46:51.678 All will we help facilitate that.

NOTE Confidence: 0.76359372

00:46:54.670 --> 00:46:58.534 So if I'm understanding the question right,

NOTE Confidence: 0.76359372

00:46:58.540 --> 00:47:01.105 so let's say that we have a set of

NOTE Confidence: 0.76359372

00:47:01.105 --> 00:47:03.231 COVID specimens from COVID patients

NOTE Confidence: 0.76359372

00:47:03.231 --> 00:47:06.240 that you requested and wanted to use.

NOTE Confidence: 0.76359372

00:47:06.240 --> 00:47:08.935 There is a charge for doing those

NOTE Confidence: 0.76359372

00:47:08.935 --> 00:47:11.650 specimen polls as well as the, you know,

NOTE Confidence: 0.76359372

00:47:11.650 --> 00:47:13.075 the storage and everything else.

NOTE Confidence: 0.76359372

00:47:13.080 --> 00:47:16.304 If we, if those are part of just

NOTE Confidence: 0.76359372

00:47:16.304 --> 00:47:19.040 our general COVID biorepository,

NOTE Confidence: 0.76359372

00:47:19.040 --> 00:47:21.488 there's no need for the investigator to go

NOTE Confidence: 0.76359372

00:47:21.488 --> 00:47:23.384 replenish that or find a new patient to

NOTE Confidence: 0.76359372

00:47:23.384 --> 00:47:25.710 fill it in or anything along those lines.

NOTE Confidence: 0.76359372

00:47:25.710 --> 00:47:28.030 And on a per biospecimen,

NOTE Confidence: 0.76359372

00:47:28.030 --> 00:47:30.318 you know per if it's more of a

NOTE Confidence: 0.76359372

00:47:30.318 --> 00:47:31.529 Federated biorepository type model,

NOTE Confidence: 0.76359372

00:47:31.530 --> 00:47:33.591 same thing that would be really up to the

NOTE Confidence: 0.76359372

00:47:33.591 --> 00:47:35.577 terms with those API's are investigators.

NOTE Confidence: 0.76359372

00:47:35.580 --> 00:47:38.012 So there wouldn't be like a a a

NOTE Confidence: 0.76359372

00:47:38.012 --> 00:47:40.247 second charge to go obtain another

NOTE Confidence: 0.76359372

00:47:40.247 --> 00:47:42.197 specimen to put into inventory,

NOTE Confidence: 0.76359372

00:47:42.200 --> 00:47:43.754 you would just be charged for the

NOTE Confidence: 0.76359372

00:47:43.754 --> 00:47:45.589 one that was removed from inventory.

NOTE Confidence: 0.783848380909091

00:47:48.100 --> 00:47:50.220 Next question, which samples are

NOTE Confidence: 0.783848380909091

00:47:50.220 --> 00:47:52.680 stored in Bower pastoring right now?

NOTE Confidence: 0.783848380909091

00:47:52.680 --> 00:47:53.340 As I mentioned,

NOTE Confidence: 0.783848380909091

00:47:53.340 --> 00:47:54.880 you know you go to the website,

NOTE Confidence: 0.783848380909091

00:47:54.880 --> 00:47:58.444 you'll see there's some blood samples

NOTE Confidence: 0.783848380909091

00:47:58.444 --> 00:48:01.228 and also some archived material.

NOTE Confidence: 0.783848380909091

00:48:01.228 --> 00:48:04.492 But the question is right now we we,

NOTE Confidence: 0.783848380909091

00:48:04.500 --> 00:48:06.369 we are not.

NOTE Confidence: 0.783848380909091

00:48:06.370 --> 00:48:09.296 We we haven't been able to categorize

NOTE Confidence: 0.783848380909091

00:48:09.296 --> 00:48:12.898 all of that yet and this one stay tuned.

NOTE Confidence: 0.783848380909091

00:48:12.898 --> 00:48:16.006 So we'll have the you know inventory.

NOTE Confidence: 0.783848380909091

00:48:16.010 --> 00:48:18.264 However at the moment you know you

00:48:18.264 --> 00:48:20.455 can always you know make a request

00:48:20.455 --> 00:48:22.568 and tell us what you are looking

00:48:22.568 --> 00:48:25.040 for and then we can be more targeted

00:48:25.040 --> 00:48:26.786 to expedite what's your request

00:48:26.786 --> 00:48:28.940 and for us to really inventory

00:48:29.009 --> 00:48:31.137 the entire you know like we talk

00:48:31.137 --> 00:48:33.195 about millions of different type of

00:48:33.195 --> 00:48:35.349 tissues that's will take some time,

00:48:35.350 --> 00:48:37.194 right, we can prioritize.

00:48:37.194 --> 00:48:39.038 What are your needs?

00:48:39.040 --> 00:48:41.272 And the other question is what

00:48:41.272 --> 00:48:42.760 about the pediatric samples?

00:48:42.760 --> 00:48:45.946 Is there an informed consent to

00:48:45.946 --> 00:48:48.900 Bank of pediatric oncology samples?

00:48:48.900 --> 00:48:50.464 Right now, we don't.

00:48:50.464 --> 00:48:52.810 I will specific pediatric consenting form.

NOTE Confidence: 0.783848380909091

00:48:52.810 --> 00:48:55.492 So all we do for the tissue side right

NOTE Confidence: 0.783848380909091

00:48:55.492 --> 00:48:58.544 now for the bank to have is really

NOTE Confidence: 0.783848380909091

00:48:58.544 --> 00:49:00.549 providing so-called non consented

NOTE Confidence: 0.783848380909091

00:49:00.549 --> 00:49:03.574 deidentified specimen for pediatric

NOTE Confidence: 0.783848380909091

00:49:03.574 --> 00:49:06.566 oncologists stuff for example.

NOTE Confidence: 0.783848380909091

00:49:06.570 --> 00:49:09.802 This has to be a specific project and

NOTE Confidence: 0.783848380909091

00:49:09.802 --> 00:49:13.275 we set up a prospective collection

NOTE Confidence: 0.783848380909091

00:49:13.275 --> 00:49:16.490 and with adequate patient concerns.

NOTE Confidence: 0.783848380909091

00:49:16.490 --> 00:49:16.820 So we

NOTE Confidence: 0.588458901428571

00:49:16.830 --> 00:49:19.049 have and I would say not unconsented,

NOTE Confidence: 0.588458901428571

00:49:19.050 --> 00:49:19.944 just limited consent.

NOTE Confidence: 0.588458901428571

00:49:19.944 --> 00:49:21.732 It's part of the standard consent

NOTE Confidence: 0.588458901428571

00:49:21.732 --> 00:49:23.149 for receiving healthcare.

NOTE Confidence: 0.588458901428571

00:49:23.150 --> 00:49:24.378 There are some restrictions

NOTE Confidence: 0.588458901428571

00:49:24.378 --> 00:49:25.606 on what those samples,

NOTE Confidence: 0.588458901428571

00:49:25.610 --> 00:49:26.990 those limited consent samples

NOTE Confidence: 0.588458901428571

00:49:26.990 --> 00:49:28.996 can be used for. For example,

NOTE Confidence: 0.588458901428571

00:49:28.996 --> 00:49:31.500 the FDA will not accept that level of

NOTE Confidence: 0.588458901428571

00:49:31.571 --> 00:49:33.825 consent for use in a clinical trial.

NOTE Confidence: 0.588458901428571

00:49:33.830 --> 00:49:35.646 It needs to be a more dedicated consent.

NOTE Confidence: 0.588458901428571

00:49:35.650 --> 00:49:38.596 So even the deidentified ones have

NOTE Confidence: 0.588458901428571

00:49:38.596 --> 00:49:41.839 a consent just basic with some

NOTE Confidence: 0.588458901428571

00:49:41.839 --> 00:49:44.219 downstream limitations on use.

NOTE Confidence: 0.588458901428571

00:49:44.950 --> 00:49:45.200 Yeah.

NOTE Confidence: 0.705182147058824

00:49:48.150 --> 00:49:51.153 So the next question for the brain

NOTE Confidence: 0.705182147058824

00:49:51.153 --> 00:49:54.453 samples in the Bower repository at

NOTE Confidence: 0.705182147058824

00:49:54.453 --> 00:49:57.009 these postmortem brain samples,

NOTE Confidence: 0.705182147058824

00:49:57.010 --> 00:50:00.356 the question yes you know usually we

NOTE Confidence: 0.705182147058824

00:50:00.356 --> 00:50:03.780 we cannot archive very unlikely we will

NOTE Confidence: 0.705182147058824

00:50:03.780 --> 00:50:06.780 archive the surgical brain as you know the

NOTE Confidence: 0.705182147058824

00:50:06.861 --> 00:50:09.789 brain tissue storage is really limited.

NOTE Confidence: 0.705182147058824

00:50:09.790 --> 00:50:11.750 So right now all the brain tissue

NOTE Confidence: 0.705182147058824

00:50:11.750 --> 00:50:13.928 we have is really from autopsy.

NOTE Confidence: 0.705182147058824

00:50:13.930 --> 00:50:17.899 So I did not talk about more related to.

NOTE Confidence: 0.705182147058824

00:50:17.900 --> 00:50:19.910 A program or in pathology we're

NOTE Confidence: 0.705182147058824

00:50:19.910 --> 00:50:22.399 doing is the rapid autopsy program.

NOTE Confidence: 0.705182147058824

00:50:22.400 --> 00:50:27.699 This is actually going to be one

NOTE Confidence: 0.705182147058824

00:50:27.699 --> 00:50:30.835 important way for us to procure

NOTE Confidence: 0.705182147058824

00:50:30.835 --> 00:50:33.210 human tissue from rapid autopsy

NOTE Confidence: 0.705182147058824

00:50:33.306 --> 00:50:36.264 that means and will perform autopsy

NOTE Confidence: 0.705182147058824

00:50:36.264 --> 00:50:39.913 between four to six hour period of

NOTE Confidence: 0.705182147058824

00:50:39.913 --> 00:50:42.548 time and after patients disease.

NOTE Confidence: 0.705182147058824

00:50:42.550 --> 00:50:44.908 It's all very well documented when

NOTE Confidence: 0.705182147058824

00:50:44.908 --> 00:50:47.283 you collect the tissue in that

NOTE Confidence: 0.705182147058824

00:50:47.283 --> 00:50:49.682 window period time, in other words,

NOTE Confidence: 0.705182147058824

00:50:49.682 --> 00:50:52.428 the photos like 4 to 6 hours,

NOTE Confidence: 0.705182147058824

00:50:52.428 --> 00:50:55.118 the tissue quality is really good and

NOTE Confidence: 0.705182147058824

00:50:55.118 --> 00:50:58.078 for so even for some culture those are

NOTE Confidence: 0.705182147058824

00:50:58.080 --> 00:51:00.355 will be useful for the brain tissue

NOTE Confidence: 0.705182147058824

00:51:00.355 --> 00:51:03.191 again you know we do have some of the

NOTE Confidence: 0.705182147058824

00:51:03.191 --> 00:51:05.170 tissue collected in the very short.

NOTE Confidence: 0.793424514285714

00:51:07.590 --> 00:51:10.488 Period of time, yeah after patients death.

NOTE Confidence: 0.793424514285714

00:51:10.490 --> 00:51:14.090 So this is going to be a program

NOTE Confidence: 0.793424514285714

00:51:14.090 --> 00:51:17.524 we're going to continue to to to

NOTE Confidence: 0.793424514285714

00:51:17.524 --> 00:51:20.009 expand to rapid autopsy program.

NOTE Confidence: 0.744486319

00:51:22.400 --> 00:51:26.240 So the next question is can I DNA

NOTE Confidence: 0.744486319

00:51:26.240 --> 00:51:28.972 sequencing be performed in general on

NOTE Confidence: 0.744486319

00:51:28.972 --> 00:51:32.298 these samples or is specific RB review

NOTE Confidence: 0.744486319

00:51:32.298 --> 00:51:35.820 requirement for each required requested use.

NOTE Confidence: 0.744486319

00:51:35.820 --> 00:51:38.106 So this is a, I mean most of the

NOTE Confidence: 0.744486319

00:51:38.106 --> 00:51:40.033 samples we have collected, yes,

NOTE Confidence: 0.744486319

00:51:40.033 --> 00:51:43.449 you can do DNA RNA sequencing but right

NOTE Confidence: 0.744486319

00:51:43.449 --> 00:51:46.540 now when you request tissue from the bank,

NOTE Confidence: 0.744486319

00:51:46.540 --> 00:51:49.018 right now the bank if you don't

NOTE Confidence: 0.744486319

00:51:49.018 --> 00:51:51.118 have existing IRP, you don't have

NOTE Confidence: 0.744486319

00:51:51.118 --> 00:51:52.848 a specific consent to determine.

NOTE Confidence: 0.744486319

00:51:52.850 --> 00:51:55.394 Will say to link the patients to the,

NOTE Confidence: 0.744486319

00:51:55.400 --> 00:51:57.230 you know, to the sequencing

NOTE Confidence: 0.744486319

00:51:57.230 --> 00:51:59.970 that that that means.

NOTE Confidence: 0.744486319

00:51:59.970 --> 00:52:02.049 We can, you know you don't like,

NOTE Confidence: 0.744486319

00:52:02.050 --> 00:52:04.078 we cannot give you more information,

NOTE Confidence: 0.744486319

00:52:04.080 --> 00:52:05.340 you know specific information

NOTE Confidence: 0.744486319

00:52:05.340 --> 00:52:07.230 you can use that for sequencing,

NOTE Confidence: 0.744486319

00:52:07.230 --> 00:52:09.505 but you cannot really link

NOTE Confidence: 0.744486319

00:52:09.505 --> 00:52:11.640 specifically to the, to the,

NOTE Confidence: 0.744486319

00:52:11.640 --> 00:52:14.335 to the patient for the downstream study

NOTE Confidence: 0.744486319

00:52:14.335 --> 00:52:16.948 and that's basically RB probably required

NOTE Confidence: 0.744486319

00:52:16.948 --> 00:52:20.362 in that as you know the genetic study

NOTE Confidence: 0.744486319

00:52:20.362 --> 00:52:23.231 by itself it's kind of really touching,

NOTE Confidence: 0.744486319

00:52:23.231 --> 00:52:24.233 it's very.

NOTE Confidence: 0.744486319

00:52:24.233 --> 00:52:26.738 Yeah, difficult area to evaluate.

NOTE Confidence: 0.744486319

00:52:26.740 --> 00:52:29.500 So genetic information by itself is

NOTE Confidence: 0.744486319

00:52:29.500 --> 00:52:32.200 can be considered as an identifier.

NOTE Confidence: 0.744486319

00:52:32.200 --> 00:52:34.784 I think this is all depend on what

NOTE Confidence: 0.744486319

00:52:34.784 --> 00:52:37.395 kind of study you do you're doing

NOTE Confidence: 0.744486319

00:52:37.395 --> 00:52:40.084 and how you're going to present the

NOTE Confidence: 0.744486319

00:52:40.084 --> 00:52:42.528 data you know and for your research,

NOTE Confidence: 0.744486319

00:52:42.528 --> 00:52:45.040 I think that on the safer side is

NOTE Confidence: 0.744486319

00:52:45.114 --> 00:52:46.979 probably more important to have

NOTE Confidence: 0.744486319

00:52:46.979 --> 00:52:49.393 specific RP if you really conduct

NOTE Confidence: 0.744486319

00:52:49.393 --> 00:52:50.818 the genomic research,

NOTE Confidence: 0.744486319

00:52:50.820 --> 00:52:52.128 that's just my recommendation,

NOTE Confidence: 0.744486319

00:52:52.128 --> 00:52:55.059 it is save you a lot of downstream.

NOTE Confidence: 0.744486319

00:52:55.060 --> 00:52:57.020 Diesel.

NOTE Confidence: 0.744486319

00:52:57.020 --> 00:53:00.500 There is a certainly a a a school

NOTE Confidence: 0.744486319

00:53:00.500 --> 00:53:03.702 of thought that thinking all the

NOTE Confidence: 0.744486319

00:53:03.702 --> 00:53:06.057 genetic sequencing is a patient

NOTE Confidence: 0.744486319

00:53:06.057 --> 00:53:07.544 identifier maybe true right.

NOTE Confidence: 0.744486319

00:53:07.544 --> 00:53:09.572 I think it just depending how

NOTE Confidence: 0.744486319

00:53:09.572 --> 00:53:10.778 you will see it.

NOTE Confidence: 0.744486319

00:53:10.780 --> 00:53:12.642 So that's why I think for the

NOTE Confidence: 0.744486319

00:53:12.642 --> 00:53:14.452 genetic study is better you have

NOTE Confidence: 0.744486319

00:53:14.452 --> 00:53:16.360 RP coverage rather than do that

NOTE Confidence: 0.744486319

00:53:16.360 --> 00:53:17.950 totally deidentified fashion.

NOTE Confidence: 0.31934392

00:53:22.360 --> 00:53:22.680 Uh.

NOTE Confidence: 0.870424602

00:53:25.760 --> 00:53:28.798 Hey we almost at the hour and

NOTE Confidence: 0.870424602

00:53:28.798 --> 00:53:31.036 4 minutes left and any other

NOTE Confidence: 0.870424602

00:53:31.036 --> 00:53:32.908 not always say last question or

NOTE Confidence: 0.870424602

00:53:32.908 --> 00:53:34.910 last comment from the audience.

NOTE Confidence: 0.81732238952381

00:53:37.010 --> 00:53:39.791 I think we, I mean on behalf of weight

NOTE Confidence: 0.81732238952381

00:53:39.791 --> 00:53:42.458 and myself I really appreciate your

NOTE Confidence: 0.81732238952381

00:53:42.458 --> 00:53:45.410 spend Friday afternoon to this session.

NOTE Confidence: 0.81732238952381

00:53:45.410 --> 00:53:47.870 I think this is a I mean as I mentioned

NOTE Confidence: 0.81732238952381

00:53:47.942 --> 00:53:49.979 I just want to re emphasize this

NOTE Confidence: 0.81732238952381

00:53:49.979 --> 00:53:52.309 again this is a shared resources OK.

NOTE Confidence: 0.81732238952381

00:53:52.310 --> 00:53:54.225 It's not anybody's private property

NOTE Confidence: 0.81732238952381

00:53:54.225 --> 00:53:57.024 or trying to do this and that

NOTE Confidence: 0.81732238952381

00:53:57.024 --> 00:53:59.044 this is collectively for all

NOTE Confidence: 0.81732238952381

00:53:59.044 --> 00:54:00.670 the Yale investigator tool.

NOTE Confidence: 0.81732238952381

00:54:00.670 --> 00:54:03.670 Share this resources so that means

NOTE Confidence: 0.81732238952381

00:54:03.670 --> 00:54:06.846 we are just start so that you know

NOTE Confidence: 0.81732238952381

00:54:06.846 --> 00:54:10.216 it's really the time for us to you

NOTE Confidence: 0.81732238952381

00:54:10.216 --> 00:54:12.400 know collectively to make this.

NOTE Confidence: 0.81732238952381

00:54:12.400 --> 00:54:15.358 You know about repository function really

NOTE Confidence: 0.81732238952381

00:54:15.358 --> 00:54:18.998 well and really meet your need for human,

NOTE Confidence: 0.81732238952381

00:54:19.000 --> 00:54:21.100 you know, human specimen research.

NOTE Confidence: 0.81732238952381

00:54:21.100 --> 00:54:22.815 So we want to hear from you.

NOTE Confidence: 0.81732238952381

00:54:22.820 --> 00:54:25.058 It's important for you to participate

NOTE Confidence: 0.81732238952381

00:54:25.058 --> 00:54:27.263 in the process, and we'll see.

NOTE Confidence: 0.81732238952381

00:54:27.263 --> 00:54:29.429 That's the only way to make

NOTE Confidence: 0.81732238952381

00:54:29.429 --> 00:54:33.660 this bank to be truly, truly.

NOTE Confidence: 0.81732238952381

00:54:33.660 --> 00:54:36.408 Friendly bank and a very efficient

NOTE Confidence: 0.81732238952381

00:54:36.408 --> 00:54:39.450 and effective bank for your research.

NOTE Confidence: 0.81732238952381

00:54:39.450 --> 00:54:39.754 Alright.

NOTE Confidence: 0.81732238952381

00:54:39.754 --> 00:54:40.970 And as I said,

NOTE Confidence: 0.81732238952381

00:54:40.970 --> 00:54:42.700 we probably would would come

NOTE Confidence: 0.81732238952381

00:54:42.700 --> 00:54:44.430 back again in three months.

NOTE Confidence: 0.81732238952381

00:54:44.430 --> 00:54:46.392 So our idea is probably will

NOTE Confidence: 0.81732238952381

00:54:46.392 --> 00:54:48.533 do a quarterly update on the

NOTE Confidence: 0.81732238952381

00:54:48.533 --> 00:54:50.448 banking activity and some nuances,

NOTE Confidence: 0.81732238952381

00:54:50.450 --> 00:54:51.706 some ideas,

NOTE Confidence: 0.81732238952381

00:54:51.706 --> 00:54:54.496 you know some new services available

NOTE Confidence: 0.81732238952381

00:54:54.496 --> 00:54:56.610 or what we will learn from that.

NOTE Confidence: 0.81732238952381

00:54:56.610 --> 00:54:59.593 So this is at least in the near future

NOTE Confidence: 0.81732238952381

00:54:59.593 --> 00:55:02.657 we're going to have this regular like a

NOTE Confidence: 0.81732238952381

00:55:02.657 --> 00:55:05.508 quarterly information session just like this.

NOTE Confidence: 0.81732238952381

00:55:05.510 --> 00:55:06.144 Yeah, no.

NOTE Confidence: 0.81732238952381

00:55:06.144 --> 00:55:06.461 OK.

NOTE Confidence: 0.81732238952381

00:55:06.461 --> 00:55:08.680 So really wanted to hear from you.

NOTE Confidence: 0.81732238952381

00:55:08.680 --> 00:55:09.520 As you know,

NOTE Confidence: 0.81732238952381

00:55:09.520 --> 00:55:09.800 wait,

NOTE Confidence: 0.81732238952381

00:55:09.800 --> 00:55:11.200 we have a last comment.

NOTE Confidence: 0.68421146

00:55:13.830 --> 00:55:14.740 Look, that sums it up.

NOTE Confidence: 0.867590228181818

00:55:15.410 --> 00:55:17.315 OK, great. Thank you all

NOTE Confidence: 0.867590228181818

00:55:17.315 --> 00:55:20.000 and you have a nice weekend.