WEBVTT

NOTE duration:"00:01:46.5600000"

NOTE recognizability:0.804

NOTE language:en-us

NOTE Confidence: 0.8041331

00:00:00.000 --> 00:00:01.185 I'm Stephanie Helena.

NOTE Confidence: 0.8041331

00:00:01.185 --> 00:00:03.160 I am associate professor of

NOTE Confidence: 0.8041331

00:00:03.160 --> 00:00:05.129 hematology and internal medicine.

NOTE Confidence: 0.8041331

00:00:05.130 --> 00:00:07.650 And I'm the chief of hematology,

NOTE Confidence: 0.8041331

00:00:07.650 --> 00:00:10.170 and I focus on Mallard display.

NOTE Confidence: 0.8041331

00:00:10.170 --> 00:00:12.270 JE and acute myeloid leukemia.

NOTE Confidence: 0.8041331

00:00:12.270 --> 00:00:14.671 To me, the most important thing is

NOTE Confidence: 0.8041331

00:00:14.671 --> 00:00:17.178 to build a team that seamlessly

NOTE Confidence: 0.8041331

00:00:17.178 --> 00:00:19.503 transitioned from the clinic all

NOTE Confidence: 0.8041331

00:00:19.503 --> 00:00:22.257 the way to basic science that

NOTE Confidence: 0.8041331

00:00:22.257 --> 00:00:24.432 brings questions from the clinic

NOTE Confidence: 0.8041331

00:00:24.432 --> 00:00:26.534 to the basic science laboratories,

NOTE Confidence: 0.8041331

00:00:26.534 --> 00:00:29.508 and that brings innovation from the basic

NOTE Confidence: 0.8041331

00:00:29.508 --> 00:00:32.004 science laboratories back to the patient.

NOTE Confidence: 0.8041331

00:00:32.010 --> 00:00:33.714 Advancements in in medicine.

NOTE Confidence: 0.8041331

00:00:33.714 --> 00:00:36.270 A general in hematology have been.

NOTE Confidence: 0.8041331

00:00:36.270 --> 00:00:39.084 Absolutely amazing and we are in a

NOTE Confidence: 0.8041331

00:00:39.084 --> 00:00:41.489 phenomenal time for for innovation.

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00:00:41.490 --> 00:00:44.559 I think a lot of it comes from our

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00:00:44.559 --> 00:00:47.149 deeper understanding of diseases.

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00:00:47.150 --> 00:00:50.076 We have so many technologies at our

NOTE Confidence: 0.8041331

00:00:50.076 --> 00:00:52.800 fingertips to understand what causes disease,

NOTE Confidence: 0.8041331

00:00:52.800 --> 00:00:54.105 what drives disease,

NOTE Confidence: 0.8041331

00:00:54.105 --> 00:00:57.150 what results in resistance is to therapies,

NOTE Confidence: 0.8041331

00:00:57.150 --> 00:01:00.670 and as a result we can develop novel

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00:01:00.670 --> 00:01:03.232 therapies that we never had the

NOTE Confidence: 0.8041331

00:01:03.232 --> 00:01:06.830 opportunity to do that are no longer these.

NOTE Confidence: 0.8041331

00:01:06.830 --> 00:01:09.110 Sledge hammer chemotherapies but very

NOTE Confidence: 0.8041331

00:01:09.110 --> 00:01:11.960 targeted at what drives the cancer.

NOTE Confidence: 0.8041331

00:01:11.960 --> 00:01:14.984 One area that my laboratory is

NOTE Confidence: 0.8041331

00:01:14.984 --> 00:01:17.496 particularly interested in is how

NOTE Confidence: 0.8041331

00:01:17.496 --> 00:01:19.551 RNA modifications and we look

NOTE Confidence: 0.8041331

00:01:19.551 --> 00:01:22.210 at how this RNA is altered,

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00:01:22.210 --> 00:01:25.066 for example through mutations and so

NOTE Confidence: 0.8041331

00:01:25.066 --> 00:01:27.622 called splicing factors or through

NOTE Confidence: 0.8041331

00:01:27.622 --> 00:01:29.918 abnormalities and RNA editing.

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00:01:29.920 --> 00:01:32.596 And we have identified a couple

NOTE Confidence: 0.8041331

00:01:32.596 --> 00:01:35.176 of mechanisms in that area that

NOTE Confidence: 0.8041331

00:01:35.176 --> 00:01:38.000 we may be able to exploit in the

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00:01:38.094 --> 00:01:40.790 therapy of hematologic diseases.