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
- $00:00:03.160 \longrightarrow 00:00:05.129$ 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
- $00:00:10.170 \dashrightarrow 00:00:12.270$ JE and acute myeloid leukemia.
- NOTE Confidence: 0.8041331
- $00{:}00{:}12.270 \dashrightarrow 00{:}00{:}14.671$ To me, the most important thing is
- NOTE Confidence: 0.8041331
- $00:00:14.671 \longrightarrow 00:00:17.178$ to build a team that seamlessly
- NOTE Confidence: 0.8041331
- $00:00:17.178 \longrightarrow 00:00:19.503$ transitioned from the clinic all
- NOTE Confidence: 0.8041331
- $00{:}00{:}19.503 \dashrightarrow 00{:}00{:}22.257$ the way to basic science that
- NOTE Confidence: 0.8041331
- $00:00:22.257 \rightarrow 00:00:24.432$ brings questions from the clinic
- NOTE Confidence: 0.8041331
- $00{:}00{:}24.432 \dashrightarrow 00{:}00{:}26.534$ to the basic science laboratories,
- NOTE Confidence: 0.8041331
- $00:00:26.534 \rightarrow 00:00:29.508$ and that brings innovation from the basic
- NOTE Confidence: 0.8041331

 $00:00:29.508 \rightarrow 00:00:32.004$ science laboratories back to the patient.

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

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

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 $00{:}00{:}36.270 \dashrightarrow 00{:}00{:}39.084$ Absolutely amazing and we are in a

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 $00:00:39.084 \rightarrow 00:00:41.489$ phenomenal time for for innovation.

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 $00{:}00{:}41.490 \dashrightarrow 00{:}00{:}44.559$ I think a lot of it comes from our

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 $00{:}00{:}44.559 \dashrightarrow 00{:}00{:}47.149$ deeper understanding of diseases.

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 $00:00:47.150 \rightarrow 00:00:50.076$ We have so many technologies at our

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 $00{:}00{:}50{.}076 \dashrightarrow 00{:}00{:}52{.}800$ finger tips to understand what causes disease,

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 $00:00:52.800 \rightarrow 00:00:54.105$ what drives disease,

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 $00:00:54.105 \dashrightarrow 00:00:57.150$ what results in resistance is to the rapies,

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 $00:00:57.150 \rightarrow 00:01:00.670$ and as a result we can develop novel

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 $00:01:00.670 \longrightarrow 00:01:03.232$ the rapies that we never had the

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 $00{:}01{:}03.232 \dashrightarrow 00{:}01{:}06.830$ opportunity to do that are no longer these.

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

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 $00:01:09.110 \rightarrow 00:01:11.960$ targeted at what drives the cancer.

- NOTE Confidence: 0.8041331
- 00:01:11.960 00:01:14.984 One area that my laboratory is

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 $00:01:14.984 \rightarrow 00:01:17.496$ particularly interested in is how

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 $00{:}01{:}17.496 \dashrightarrow 00{:}01{:}19.551$ RNA modifications and we look

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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

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 $00{:}01{:}25.066 \dashrightarrow 00{:}01{:}27.622$ called splicing factors or through

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

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 $00{:}01{:}29{.}920 \dashrightarrow 00{:}01{:}32{.}596$ And we have identified a couple

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00:01:32.596 --> 00:01:35.176 of mechanisms in that area that NOTE Confidence: 0.8041331

 $00{:}01{:}35{.}176 \dashrightarrow 00{:}01{:}38{.}000$ we may be able to exploit in the NOTE Confidence: 0.8041331

 $00:01:38.094 \rightarrow 00:01:40.790$ therapy of hematologic diseases.