WEBVTT

00:00:00.000 --> 00:00:03.927 As creative leaders in medicine and science,

00:00:03.930 --> 00:00:06.288 we constantly push boundaries to advance

00:00:06.288 --> 00:00:08.650 medicine for the benefit of humanity.

00:00:08.650 --> 00:00:11.418 We are at the leading edge of a

00:00:11.418 --> 00:00:13.102 new understanding of inflammation's

00:00:13.102 --> 00:00:15.331 role in human health, aging,

00:00:15.331 --> 00:00:17.286 and diseases such as Alzheimer's,

00:00:17.290 --> 00:00:19.260 multiple sclerosis, cancer, and more.

00:00:19.260 --> 00:00:21.619 I can't think of a single

00:00:21.620 --> 00:00:23.188 disease that doesn't involve

00:00:23.188 --> 00:00:24.756 inflammation in some way,

00:00:24.760 --> 00:00:25.936 for example. Currently,

00:00:25.936 --> 00:00:27.896 we're working on understanding sepsis,

00:00:27.900 --> 00:00:30.250 which is one of the.

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00:00:30.250 --> 00:00:31.992 Clinically, extremely difficult

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00:00:31.992 --> 00:00:34.908 conditions with high rate of mortality.

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00:00:34.910 --> 00:00:36.995 We're discovering some simple ways

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00:00:36.995 --> 00:00:38.663 to manipulate the inflammatory

NOTE Confidence: 0.9096284

00:00:38.663 --> 00:00:40.724 response under these conditions that

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00:00:40.724 --> 00:00:42.699 result in improvement and survival.

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00:00:42.700 --> 00:00:44.750 I think our work collectively

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00:00:44.750 --> 00:00:46.745 on inflammation is impacting people's

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00:00:46.745 --> 00:00:49.260 lives in a very tangible manner.

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00:00:49.260 --> 00:00:52.109 We have started a PAC Slovak trial

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00:00:52.109 --> 00:00:54.564 for treating patients with bone COVID

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00:00:54.564 --> 00:00:56.874 with Doctor Hall from Health Group

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00:00:56.874 --> 00:00:59.871 to look for biomarkers of people who

NOTE Confidence: 0.8245161

00:00:59.871 --> 00:01:02.436 respond positively so we can learn

NOTE Confidence: 0.8245161

00:01:02.436 --> 00:01:05.064 about the biology of this disease.

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00:01:05.070 --> 00:01:07.821 As well as who benefits from Pak

NOTE Confidence: 0.8245161

00:01:07.821 --> 00:01:10.369 Sloven treatment or other antivirals.

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00:01:10.370 --> 00:01:12.445 So we're studying specifically how

NOTE Confidence: 0.8245161

00:01:12.445 --> 00:01:15.051 the host age determines how we

NOTE Confidence: 0.8245161

00:01:15.051 --> 00:01:16.899 respond to different inflammatory

NOTE Confidence: 0.8245161

00:01:16.899 --> 00:01:19.209 signals such as viral infection,

NOTE Confidence: 0.8245161

00:01:19.210 --> 00:01:20.994 a process called inflammation,

NOTE Confidence: 0.8245161

00:01:20.994 --> 00:01:24.520 which means as we get older and older,

NOTE Confidence: 0.8245161

00:01:24.520 --> 00:01:27.172 our immune system is more prone

NOTE Confidence: 0.8245161

00:01:27.172 --> 00:01:28.940 to the inflammatory activation.

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00:01:28.940 --> 00:01:31.586 Now that we understand these issues,

NOTE Confidence: 0.8245161

00:01:31.590 --> 00:01:34.677 we can try to better target therapeutics.

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00:01:35.440 --> 00:01:37.156 Research at Yale Medical School has

NOTE Confidence: 0.7865991

00:01:37.156 --> 00:01:39.436 really been at the forefront of this

NOTE Confidence: 0.7865991

00:01:39.436 --> 00:01:41.226 movement and making new discoveries.

NOTE Confidence: 0.7865991

00:01:41.230 --> 00:01:43.822 That inform this new perspective on

NOTE Confidence: 0.7865991

00:01:43.822 --> 00:01:46.200 information and its role in aging

NOTE Confidence: 0.8123039

00:01:46.200 --> 00:01:48.270 and in diseases in general,

NOTE Confidence: 0.8123039

00:01:48.270 --> 00:01:49.509 neurodegenerative diseases like

NOTE Confidence: 0.8123039

00:01:49.509 --> 00:01:51.989 the Alzheimer's disease, as well as

NOTE Confidence: 0.8123039

00:01:51.990 --> 00:01:54.888 cancers, because in the case of cancers,

NOTE Confidence: 0.8123039

00:01:54.890 --> 00:01:56.960 inflammation plays a really dominant

NOTE Confidence: 0.8123039

00:01:56.960 --> 00:01:59.030 role in driving the development.

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00:01:59.030 --> 00:02:01.520 Here at the old medical school,

NOTE Confidence: 0.8123039

00:02:01.520 --> 00:02:04.832 we are learning of the ways to either

NOTE Confidence: 0.8123039

00:02:04.832 --> 00:02:07.357 promote information when it's helpful or

NOTE Confidence: 0.8123039

00:02:07.357 --> 00:02:10.210 to suppress it when it's unhelpful. I've

NOTE Confidence: 0.8123039

00:02:10.210 --> 00:02:12.952 been very fortunate to have many

NOTE Confidence: 0.8123039

00:02:12.952 --> 00:02:14.323 collaborators across different

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00:02:14.323 --> 00:02:16.731 discipline where we can ask very

NOTE Confidence: 0.8123039

00:02:16.731 --> 00:02:18.616 important questions that will hopefully

NOTE Confidence: 0.8123039

00:02:18.679 --> 00:02:21.530 directly help the patients. A

NOTE Confidence: 0.8814652

00:02:21.530 --> 00:02:23.376 gift to study inflammation will

NOTE Confidence: 0.8814652

00:02:23.376 --> 00:02:25.960 go a long way in fostering even

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00:02:25.960 --> 00:02:27.436 more collaboration across the

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00:02:27.436 --> 00:02:28.540 school and internationally,

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00:02:28.540 --> 00:02:30.560 and that is potentially going

NOTE Confidence: 0.8814652

00:02:30.560 --> 00:02:33.790 to give us a leap that we need.

NOTE Confidence: 0.8814652

00:02:33.790 --> 00:02:35.740 To revolutionize this whole science

NOTE Confidence: 0.8814652

00:02:35.740 --> 00:02:37.690 on inflammation, Learn how your

NOTE Confidence: 0.9233654

00:02:37.690 --> 00:02:39.766 gift can help advance our understanding

NOTE Confidence: 0.9233654

00:02:39.766 --> 00:02:42.141 of inflammation with the goal of

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00:02:42.141 --> 00:02:43.536 developing breakthrough treatments.

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00:02:43.540 --> 00:02:45.880 Connect with a Development Officer today.