

WEBVTT

NOTE duration:"00:03:53.0450000"

NOTE language:en-us

NOTE Confidence: 0.813721656799316

00:00:00.000 --> 00:00:01.600 Hello everyone, I'm Carlos Oliveira.

NOTE Confidence: 0.813721656799316

00:00:01.600 --> 00:00:04.462 I'm one of the Co leads for the

NOTE Confidence: 0.813721656799316

00:00:04.462 --> 00:00:06.054 vaccine Network initiatives here.

NOTE Confidence: 0.813721656799316

00:00:06.060 --> 00:00:08.252 Yell and I have the great honor of

NOTE Confidence: 0.813721656799316

00:00:08.252 --> 00:00:10.058 introducing our keynote speaker today.

NOTE Confidence: 0.813721656799316

00:00:10.060 --> 00:00:10.999 Doctor Peter Marks,

NOTE Confidence: 0.813721656799316

00:00:10.999 --> 00:00:13.620 who is the director of the Center for

NOTE Confidence: 0.813721656799316

00:00:13.620 --> 00:00:16.154 Biologics Evaluation and Research at the FDA.

NOTE Confidence: 0.813721656799316

00:00:16.160 --> 00:00:18.134 Doctor Marks is a Brooklyn native

NOTE Confidence: 0.813721656799316

00:00:18.134 --> 00:00:20.607 who received both his MDM PhD New

NOTE Confidence: 0.813721656799316

00:00:20.607 --> 00:00:22.437 York University after medical school.

NOTE Confidence: 0.813721656799316

00:00:22.440 --> 00:00:24.813 He moved to Boston to complete residency

NOTE Confidence: 0.813721656799316

00:00:24.813 --> 00:00:26.950 in internal medicine and fellowship in

NOTE Confidence: 0.813721656799316

00:00:26.950 --> 00:00:29.062 Human can Brigham and Women's Hospital.

NOTE Confidence: 0.813721656799316
00:00:29.070 --> 00:00:30.795 After Fellowship Doctor Marks remaining
NOTE Confidence: 0.813721656799316
00:00:30.795 --> 00:00:33.269 program where in addition to serving as
NOTE Confidence: 0.813721656799316
00:00:33.269 --> 00:00:35.009 the clinical director for hematology,
NOTE Confidence: 0.813721656799316
00:00:35.010 --> 00:00:36.750 he was actually quite an
NOTE Confidence: 0.813721656799316
00:00:36.750 --> 00:00:37.446 accomplished musician.
NOTE Confidence: 0.813721656799316
00:00:37.450 --> 00:00:39.871 Here he is 20 years ago as a member
NOTE Confidence: 0.813721656799316
00:00:39.871 --> 00:00:42.338 of the longer Symphony Orchestra.
NOTE Confidence: 0.813721656799316
00:00:42.340 --> 00:00:45.105 Doctor Marks went on to work at
NOTE Confidence: 0.813721656799316
00:00:45.105 --> 00:00:46.962 the Pharmaceutical industry for a
NOTE Confidence: 0.813721656799316
00:00:46.962 --> 00:00:49.048 few years prior to come into Yale.
NOTE Confidence: 0.813721656799316
00:00:49.050 --> 00:00:50.892 To lead our adult leukemia program
NOTE Confidence: 0.813721656799316
00:00:50.892 --> 00:00:53.344 on the top left, believe it or not,
NOTE Confidence: 0.813721656799316
00:00:53.344 --> 00:00:54.874 is doctor Marks in 2007.
NOTE Confidence: 0.813721656799316
00:00:54.880 --> 00:00:57.096 At that point he was speaking about the
NOTE Confidence: 0.813721656799316
00:00:57.096 --> 00:00:59.178 novel Count Cancer Therapeutics on NPR.
NOTE Confidence: 0.813721656799316

00:00:59.180 --> 00:01:01.896 I believe in it on the bottom.
NOTE Confidence: 0.813721656799316

00:01:01.900 --> 00:01:04.280 Is Doctor Mark said smile Cancer Hospital
NOTE Confidence: 0.813721656799316

00:01:04.280 --> 00:01:06.581 where he served as the Chief Clinical
NOTE Confidence: 0.813721656799316

00:01:06.581 --> 00:01:08.770 Officer after it was built in 2010?
NOTE Confidence: 0.813721656799316

00:01:08.770 --> 00:01:10.516 He remained here again until 2012
NOTE Confidence: 0.813721656799316

00:01:10.516 --> 00:01:12.876 when he joined the FDA and was quickly
NOTE Confidence: 0.813721656799316

00:01:12.876 --> 00:01:15.104 promoted to the director of the Center
NOTE Confidence: 0.813721656799316

00:01:15.104 --> 00:01:16.936 for Biologics Evaluation Research.
NOTE Confidence: 0.813721656799316

00:01:16.940 --> 00:01:17.486 Currently I,
NOTE Confidence: 0.813721656799316

00:01:17.486 --> 00:01:19.670 as one of the top official at the
NOTE Confidence: 0.813721656799316

00:01:19.736 --> 00:01:21.666 FDA Doctor Marks overseas more
NOTE Confidence: 0.813721656799316

00:01:21.666 --> 00:01:22.824 than 1200 scientists,
NOTE Confidence: 0.813721656799316

00:01:22.830 --> 00:01:24.768 including the team of vaccine knowledge
NOTE Confidence: 0.813721656799316

00:01:24.768 --> 00:01:26.446 is who are currently reviewing
NOTE Confidence: 0.813721656799316

00:01:26.446 --> 00:01:28.384 the data for the covid vaccines,
NOTE Confidence: 0.813721656799316

00:01:28.390 --> 00:01:30.665 which we've all been very excited about

NOTE Confidence: 0.813721656799316
00:01:30.665 --> 00:01:33.370 over the last few months as I've learned.
NOTE Confidence: 0.813721656799316
00:01:33.370 --> 00:01:35.830 More about Doctor Markson I've realized
NOTE Confidence: 0.813721656799316
00:01:35.830 --> 00:01:39.040 that I have all his accomplishments.
NOTE Confidence: 0.813721656799316
00:01:39.040 --> 00:01:41.242 The one achievement that's the most
NOTE Confidence: 0.813721656799316
00:01:41.242 --> 00:01:44.010 impressive to me at least is the one
NOTE Confidence: 0.813721656799316
00:01:44.010 --> 00:01:46.673 that he gets the least amount of credit
NOTE Confidence: 0.813721656799316
00:01:46.673 --> 00:01:48.923 for which his operation warp speed.
NOTE Confidence: 0.813721656799316
00:01:48.930 --> 00:01:51.653 But many people argue is the most
NOTE Confidence: 0.813721656799316
00:01:51.653 --> 00:01:52.820 significant scientific achievements
NOTE Confidence: 0.813721656799316
00:01:52.885 --> 00:01:54.577 since the landing on the moon.
NOTE Confidence: 0.813721656799316
00:01:54.580 --> 00:01:56.710 And although the president and his
NOTE Confidence: 0.813721656799316
00:01:56.710 --> 00:01:58.526 secretaries love to take credit
NOTE Confidence: 0.813721656799316
00:01:58.526 --> 00:01:59.519 for warp speed,
NOTE Confidence: 0.813721656799316
00:01:59.520 --> 00:02:01.285 the operation was actually the
NOTE Confidence: 0.813721656799316
00:02:01.285 --> 00:02:02.697 brainchild of Doctor Marks.
NOTE Confidence: 0.813721656799316

00:02:02.700 --> 00:02:04.854 Who I'm told is an unabashed
NOTE Confidence: 0.813721656799316

00:02:04.854 --> 00:02:06.290 as Star Trek enthusiasts.
NOTE Confidence: 0.813721656799316

00:02:06.290 --> 00:02:08.240 And the term want speed is
NOTE Confidence: 0.813721656799316

00:02:08.240 --> 00:02:09.780 actually quite interesting to me.
NOTE Confidence: 0.813721656799316

00:02:09.780 --> 00:02:11.622 It refers to traveling at speeds
NOTE Confidence: 0.813721656799316

00:02:11.622 --> 00:02:13.260 that are faster than light,
NOTE Confidence: 0.813721656799316

00:02:13.260 --> 00:02:15.684 something that we all know is not possible
NOTE Confidence: 0.813721656799316

00:02:15.684 --> 00:02:18.019 based on the current laws of physics.
NOTE Confidence: 0.813721656799316

00:02:18.020 --> 00:02:18.337 However,
NOTE Confidence: 0.813721656799316

00:02:18.337 --> 00:02:20.556 as a fellow Star Trek nerd myself,
NOTE Confidence: 0.813721656799316

00:02:20.560 --> 00:02:22.952 I can tell you that is actually quite
NOTE Confidence: 0.813721656799316

00:02:22.952 --> 00:02:24.989 an appropriate term for this operation.
NOTE Confidence: 0.813721656799316

00:02:24.990 --> 00:02:25.626 You see,
NOTE Confidence: 0.813721656799316

00:02:25.626 --> 00:02:26.898 the idea of warps,
NOTE Confidence: 0.813721656799316

00:02:26.900 --> 00:02:28.909 we comes from the thought that if
NOTE Confidence: 0.813721656799316

00:02:28.909 --> 00:02:31.501 we can warp space or full space we

NOTE Confidence: 0.813721656799316
00:02:31.501 --> 00:02:33.550 can travel faster than linear line.
NOTE Confidence: 0.813721656799316
00:02:33.550 --> 00:02:36.403 So if you can imagine space is a piece
NOTE Confidence: 0.813721656799316
00:02:36.403 --> 00:02:39.274 of paper and you draw a line in it.
NOTE Confidence: 0.813721656799316
00:02:39.280 --> 00:02:41.331 You can get from the beginning to
NOTE Confidence: 0.813721656799316
00:02:41.331 --> 00:02:43.807 the end of that line much faster if
NOTE Confidence: 0.813721656799316
00:02:43.807 --> 00:02:46.338 you fold the piece of paper in half,
NOTE Confidence: 0.813721656799316
00:02:46.340 --> 00:02:48.158 so by skipping all that that
NOTE Confidence: 0.813721656799316
00:02:48.158 --> 00:02:49.370 space you can go
NOTE Confidence: 0.836539804935455
00:02:49.442 --> 00:02:51.866 from point A to point B much faster,
NOTE Confidence: 0.836539804935455
00:02:51.870 --> 00:02:54.494 and this is in many ways with Doctor
NOTE Confidence: 0.836539804935455
00:02:54.494 --> 00:02:56.568 Marx envisioned or or thought of when
NOTE Confidence: 0.836539804935455
00:02:56.568 --> 00:02:58.916 it came to warp speed because he was
NOTE Confidence: 0.836539804935455
00:02:58.916 --> 00:03:01.079 able to eliminate all of this Dead
NOTE Confidence: 0.836539804935455
00:03:01.080 --> 00:03:03.124 Space from what was previously a fairly
NOTE Confidence: 0.836539804935455
00:03:03.124 --> 00:03:04.450 linear vaccine development pipeline.
NOTE Confidence: 0.836539804935455

00:03:04.450 --> 00:03:07.213 And as a result we have now not one,
NOTE Confidence: 0.836539804935455

00:03:07.220 --> 00:03:09.446 but two covert vaccines within a year.
NOTE Confidence: 0.836539804935455

00:03:09.450 --> 00:03:12.756 And which is a remarkable achievement.
NOTE Confidence: 0.836539804935455

00:03:12.760 --> 00:03:14.644 I saw something that if you
NOTE Confidence: 0.836539804935455

00:03:14.644 --> 00:03:16.649 had asked me a year ago,
NOTE Confidence: 0.836539804935455

00:03:16.650 --> 00:03:18.906 if I ask any of the vaccine ologist
NOTE Confidence: 0.836539804935455

00:03:18.906 --> 00:03:21.357 in the panel year ago they would
NOTE Confidence: 0.836539804935455

00:03:21.357 --> 00:03:23.780 have said it's impossible to do this.
NOTE Confidence: 0.836539804935455

00:03:23.780 --> 00:03:25.395 According to all the laws
NOTE Confidence: 0.836539804935455

00:03:25.395 --> 00:03:26.364 of modern vaccinology.
NOTE Confidence: 0.836539804935455

00:03:26.370 --> 00:03:28.818 So I will finish with this slide because
NOTE Confidence: 0.836539804935455

00:03:28.818 --> 00:03:31.425 I really like the way the title of this
NOTE Confidence: 0.836539804935455

00:03:31.425 --> 00:03:33.820 New York Park Washington Post article,
NOTE Confidence: 0.836539804935455

00:03:33.820 --> 00:03:36.088 because it summarizes fairly well when I,
NOTE Confidence: 0.836539804935455

00:03:36.090 --> 00:03:38.358 when I've learned about Doctor Mark switches,
NOTE Confidence: 0.836539804935455

00:03:38.360 --> 00:03:38.984 he's ineffective.

NOTE Confidence: 0.836539804935455

00:03:38.984 --> 00:03:41.168 A brilliant physician scientist who is humble

NOTE Confidence: 0.836539804935455

00:03:41.168 --> 00:03:43.247 and really uninterested in the spotlight.

NOTE Confidence: 0.836539804935455

00:03:43.250 --> 00:03:46.218 But who's important work has and continues

NOTE Confidence: 0.836539804935455

00:03:46.218 --> 00:03:49.308 to ensure the health of this country.

NOTE Confidence: 0.836539804935455

00:03:49.310 --> 00:03:53.042 So without further ado Doctor marks.