

WEBVTT

NOTE duration: "00:01:55.370"

NOTE Confidence: 0.9837446

00:00:01.199 --> 00:00:03.379 If monkeys have taught us

NOTE Confidence: 0.9837446

00:00:03.520 --> 00:00:04.019 anything,

NOTE Confidence: 0.96440643

00:00:04.640 --> 00:00:05.839 it's that you have got

NOTE Confidence: 0.96440643

00:00:05.839 --> 00:00:06.960 to learn how to love

NOTE Confidence: 0.96440643

00:00:06.960 --> 00:00:08.080 before you learn how to

NOTE Confidence: 0.96440643

00:00:08.080 --> 00:00:08.580 live.

NOTE Confidence: 0.9809467

00:00:10.080 --> 00:00:11.200 For us, we work with

NOTE Confidence: 0.9809467

00:00:11.200 --> 00:00:12.259 rodents mostly,

NOTE Confidence: 0.9980281

00:00:12.719 --> 00:00:13.679 and I think we are

NOTE Confidence: 0.9980281

00:00:13.679 --> 00:00:14.980 learning the same thing.

NOTE Confidence: 0.9907919

00:00:16.324 --> 00:00:17.525 In my lab, we are

NOTE Confidence: 0.9907919

00:00:17.525 --> 00:00:18.824 interested in the

NOTE Confidence: 0.95986485

00:00:19.204 --> 00:00:20.744 unique feature of mammals.

NOTE Confidence: 0.9850664

00:00:21.045 --> 00:00:22.744 When the offspring is born,

NOTE Confidence: 0.9637683

00:00:23.125 --> 00:00:25.445 it needs intense care, comfort,
NOTE Confidence: 0.9637683
00:00:25.445 --> 00:00:26.185 and stimulation
NOTE Confidence: 0.9899127
00:00:26.724 --> 00:00:27.544 from the caretaker,
NOTE Confidence: 0.9846502
00:00:27.845 --> 00:00:30.029 typically the mother, to thrive
NOTE Confidence: 0.9846502
00:00:30.029 --> 00:00:30.690 and survive.
NOTE Confidence: 0.9656427
00:00:31.710 --> 00:00:33.250 We are interested in understanding
NOTE Confidence: 0.9656427
00:00:33.390 --> 00:00:35.070 the brain mechanisms that connect
NOTE Confidence: 0.9656427
00:00:35.070 --> 00:00:36.590 the infant mammal to their
NOTE Confidence: 0.9656427
00:00:36.590 --> 00:00:37.090 caretaker.
NOTE Confidence: 0.9583475
00:00:38.510 --> 00:00:39.710 We have projects in the
NOTE Confidence: 0.9583475
00:00:39.710 --> 00:00:40.770 lab, for example.
NOTE Confidence: 0.9940907
00:00:41.150 --> 00:00:42.610 One can ask the question,
NOTE Confidence: 0.9495303
00:00:43.015 --> 00:00:44.454 how does a baby make
NOTE Confidence: 0.9495303
00:00:44.454 --> 00:00:45.434 sense of the world?
NOTE Confidence: 0.97372407
00:00:45.895 --> 00:00:47.415 So we test questions like
NOTE Confidence: 0.97372407
00:00:47.415 --> 00:00:48.534 that in the mouse, for

NOTE Confidence: 0.97372407
00:00:48.534 --> 00:00:50.075 example. We have found
NOTE Confidence: 0.98355037
00:00:50.534 --> 00:00:51.815 neurons in an area of
NOTE Confidence: 0.98355037
00:00:51.815 --> 00:00:53.254 the brain that's called zona
NOTE Confidence: 0.98355037
00:00:53.254 --> 00:00:55.275 inserta, the area of uncertainty.
NOTE Confidence: 0.95825106
00:00:56.130 --> 00:00:57.570 When the mothers around these
NOTE Confidence: 0.95825106
00:00:57.570 --> 00:00:58.550 neurons respond
NOTE Confidence: 0.94508326
00:00:58.930 --> 00:01:00.370 and their activity of these
NOTE Confidence: 0.94508326
00:01:00.370 --> 00:01:02.610 neurons facilitate the learning of
NOTE Confidence: 0.94508326
00:01:02.610 --> 00:01:04.290 the infant mouse to make
NOTE Confidence: 0.94508326
00:01:04.290 --> 00:01:05.430 positive associations.
NOTE Confidence: 0.9936603
00:01:07.330 --> 00:01:07.830 Understanding
NOTE Confidence: 0.9992851
00:01:08.875 --> 00:01:11.054 early life can help us
NOTE Confidence: 0.9983645
00:01:11.435 --> 00:01:11.935 understand
NOTE Confidence: 0.99384856
00:01:12.395 --> 00:01:13.914 our own health and the
NOTE Confidence: 0.99384856
00:01:13.914 --> 00:01:15.914 long term impact that early
NOTE Confidence: 0.99384856

00:01:15.914 --> 00:01:16.414 childhood
NOTE Confidence: 0.9950879
00:01:17.194 --> 00:01:17.694 has
NOTE Confidence: 0.9890305
00:01:18.075 --> 00:01:19.694 on on human health.
NOTE Confidence: 0.9914927
00:01:20.395 --> 00:01:21.674 I think the knowledge that
NOTE Confidence: 0.9914927
00:01:21.674 --> 00:01:22.334 we generate
NOTE Confidence: 0.9830346
00:01:22.715 --> 00:01:23.534 can inspire
NOTE Confidence: 0.89152575
00:01:23.914 --> 00:01:24.850 policy making.
NOTE Confidence: 0.9777743
00:01:27.469 --> 00:01:28.609 I love discovery.
NOTE Confidence: 0.9825022
00:01:28.990 --> 00:01:29.950 I like to see the
NOTE Confidence: 0.9825022
00:01:29.950 --> 00:01:30.450 data.
NOTE Confidence: 0.955709
00:01:30.750 --> 00:01:32.369 Perhaps what I like most
NOTE Confidence: 0.955709
00:01:32.509 --> 00:01:33.549 is to work with people
NOTE Confidence: 0.955709
00:01:33.549 --> 00:01:34.689 that make the discovery.
NOTE Confidence: 0.94138366
00:01:35.630 --> 00:01:37.125 See their shining eyes,
NOTE Confidence: 0.9958619
00:01:37.605 --> 00:01:39.444 that's something that's an integral
NOTE Confidence: 0.9958619
00:01:39.444 --> 00:01:40.345 part of myself.

NOTE Confidence: 0.9914305

00:01:40.805 --> 00:01:41.925 I like a lot that

NOTE Confidence: 0.9914305

00:01:41.925 --> 00:01:42.905 part of my job.