

rd



1
00:00:06,650 --> 00:00:03,860
Brenda this is for you notice that the

2
00:00:08,870 --> 00:00:06,660
title is a question mark because I don't

3
00:00:10,610 --> 00:00:08,880
know the answer to the question so I'm

4
00:00:12,770 --> 00:00:10,620
not telling I'm not going to tell you

5
00:00:15,890 --> 00:00:12,780
anything that's true I'm going to be

6
00:00:18,230 --> 00:00:15,900
talking about an ongoing project the

7
00:00:21,410 --> 00:00:18,240
ongoing project has ups and downs and

8
00:00:23,179 --> 00:00:21,420
discoveries and surprises and so Sarah

9
00:00:25,130 --> 00:00:23,189
and I will be talking about this ongoing

10
00:00:27,830 --> 00:00:25,140
project and actually the next speaker

11
00:00:29,480 --> 00:00:27,840
Mike Turner is in on this but we're not

12
00:00:31,220 --> 00:00:29,490
going to have a definitive answer for

13
00:00:35,000 --> 00:00:31,230

you we're gonna have a whole lot of data

14

00:00:38,889 --> 00:00:35,010

that's very very suggestive and so the

15

00:00:41,630 --> 00:00:38,899

question can we capture store and

16

00:00:43,369 --> 00:00:41,640

reproduce healing and get the healer out

17

00:00:46,069 --> 00:00:43,379

of the equation that's really the

18

00:00:48,410 --> 00:00:46,079

question so you think in terms of well

19

00:00:51,350 --> 00:00:48,420

take a battery can we put healing in a

20

00:00:53,600 --> 00:00:51,360

battery and what would store it and what

21

00:00:56,720 --> 00:00:53,610

how do we deliver it and that's the

22

00:00:58,670 --> 00:00:56,730

ongoing project so I've been working on

23

00:01:01,099 --> 00:00:58,680

anomalous healing research for quite a

24

00:01:03,439 --> 00:01:01,109

bit of time now and I'm only going to

25

00:01:06,080 --> 00:01:03,449

talk about the last bullet the first the

26
00:01:07,820 --> 00:01:06,090
the parameters of anomalous healing what

27
00:01:10,429 --> 00:01:07,830
makes it work better what makes it work

28
00:01:13,039 --> 00:01:10,439
less well I mean you have to you have to

29
00:01:16,700 --> 00:01:13,049
understand at this point it does healing

30
00:01:18,590 --> 00:01:16,710
exists is a stupid question and anyone

31
00:01:20,660 --> 00:01:18,600
who is still entertains data they

32
00:01:22,640 --> 00:01:20,670
they'll say something like well I know

33
00:01:25,010 --> 00:01:22,650
you've done all these experiments but if

34
00:01:27,380 --> 00:01:25,020
you could do it in my lab you know then

35
00:01:29,630 --> 00:01:27,390
I believe you and and so would you do

36
00:01:31,160 --> 00:01:29,640
the same thing you've done 85 times and

37
00:01:32,960 --> 00:01:31,170
do it with just one more time and that

38
00:01:35,270 --> 00:01:32,970

will convince me that's not going to

39
00:01:37,719 --> 00:01:35,280
convince anybody people who want to look

40
00:01:40,130 --> 00:01:37,729
at data will see that healing exists

41
00:01:40,899 --> 00:01:40,140
what are the parameters this belief

42
00:01:46,429 --> 00:01:40,909
matter

43
00:01:47,990 --> 00:01:46,439
and I can keep going these are

44
00:01:50,800 --> 00:01:48,000
interesting questions not as healing

45
00:01:53,450 --> 00:01:50,810
real we I've looked at physiological

46
00:01:55,190 --> 00:01:53,460
correlates using EEG s and functional

47
00:01:58,609 --> 00:01:55,200
MRIs so that's not going to be the focus

48
00:02:01,130 --> 00:01:58,619
today the weak link in all of my studies

49
00:02:02,749 --> 00:02:01,140
of course is a theoretical model and in

50
00:02:04,020 --> 00:02:02,759
months Bruce is going to be going in a

51

00:02:06,750 --> 00:02:04,030

little while and he's going to

52

00:02:08,790 --> 00:02:06,760

hopefully provide us with some very very

53

00:02:10,620 --> 00:02:08,800

interesting conceptual ideas that can

54

00:02:14,010 --> 00:02:10,630

try to make sense of some of these crazy

55

00:02:16,050 --> 00:02:14,020

data but today we want to talk about

56

00:02:18,660 --> 00:02:16,060

practical applications can we bottle it

57

00:02:20,490 --> 00:02:18,670

can we put in a battery and if so what's

58

00:02:22,199 --> 00:02:20,500

the carrier what do we need to make the

59

00:02:24,270 --> 00:02:22,209

battery out of what do we need how do we

60

00:02:26,970 --> 00:02:24,280

bottle it what are the characteristics

61

00:02:29,610 --> 00:02:26,980

of the bottle things like that and if we

62

00:02:34,500 --> 00:02:29,620

can put it in a battery if we can put in

63

00:02:37,440 --> 00:02:34,510

a bottle then we can make it scalable so

64

00:02:39,000 --> 00:02:37,450

that's the plot I've done a lot of

65

00:02:42,570 --> 00:02:39,010

experiments I'm not going to talk about

66

00:02:44,850 --> 00:02:42,580

even a small percentage of them these

67

00:02:46,020 --> 00:02:44,860

are in vivo experiments with mice I'm

68

00:02:48,809 --> 00:02:46,030

only going to show a couple of mice

69

00:02:51,630 --> 00:02:48,819

pictures but these are in in vivo so

70

00:02:53,130 --> 00:02:51,640

I've studied at City University and and

71

00:02:55,290 --> 00:02:53,140

and and then a whole bunch of

72

00:02:58,559 --> 00:02:55,300

experiments different kinds of cancers

73

00:03:01,620 --> 00:02:58,569

in particular different kinds of cancers

74

00:03:04,020 --> 00:03:01,630

in different places even crazy things

75

00:03:06,120 --> 00:03:04,030

like nude mice extremely aggressive mice

76

00:03:07,890 --> 00:03:06,130

I have all boatload I just keep going

77

00:03:09,870 --> 00:03:07,900

with the experiment after experiment of

78

00:03:11,970 --> 00:03:09,880

in vitro data which Sarah will be

79

00:03:14,990 --> 00:03:11,980

talking a little bit about now but I

80

00:03:18,449 --> 00:03:15,000

come with a reasonably long history of

81

00:03:21,150 --> 00:03:18,459

research and a boatload of data points

82

00:03:24,330 --> 00:03:21,160

and I can demonstrate the first one

83

00:03:27,900 --> 00:03:24,340

isn't particularly interesting anomalous

84

00:03:30,199 --> 00:03:27,910

healing does it happen yes time to move

85

00:03:32,370 --> 00:03:30,209

on it's not an interesting question I

86

00:03:35,910 --> 00:03:32,380

can demonstrate though that there's a

87

00:03:37,500 --> 00:03:35,920

dose response and so I don't know

88

00:03:39,660 --> 00:03:37,510

exactly what the dose should be in every

89

00:03:41,759 --> 00:03:39,670

indication but I can demonstrate it's

90

00:03:43,890 --> 00:03:41,769

not the focus for today that there is a

91

00:03:46,080 --> 00:03:43,900

dose response it's not healing you know

92

00:03:48,680 --> 00:03:46,090

hocus-pocus or magical thinking kind of

93

00:03:50,910 --> 00:03:48,690

stuff something is being delivered and

94

00:03:52,979 --> 00:03:50,920

something is being delivered not all at

95

00:03:54,660 --> 00:03:52,989

once I don't think it's energy even

96

00:03:57,509 --> 00:03:54,670

though people talk about energy healing

97

00:03:59,819 --> 00:03:57,519

I consider it more information but

98

00:04:01,440 --> 00:03:59,829

that's another talk but there is a dose

99

00:04:03,030 --> 00:04:01,450

response if you want to talk to me on

100

00:04:05,520 --> 00:04:03,040

the side I can show you how I came to

101
00:04:08,240 --> 00:04:05,530
that conclusion I can also demonstrate

102
00:04:10,740 --> 00:04:08,250
that healing is not a linear response

103
00:04:13,080 --> 00:04:10,750
that it occurs rather in phase

104
00:04:14,580 --> 00:04:13,090
transitions that you don't have

105
00:04:16,060 --> 00:04:14,590
something like something gets a little

106
00:04:18,520 --> 00:04:16,070
better a little better a little bit

107
00:04:20,410 --> 00:04:18,530
a little better rather healing sometimes

108
00:04:22,840 --> 00:04:20,420
all symptomatically at least it gets

109
00:04:25,180 --> 00:04:22,850
worse and then suddenly it reverses and

110
00:04:28,810 --> 00:04:25,190
so it's almost as if the condition

111
00:04:31,450 --> 00:04:28,820
collapses and we see this in humans we

112
00:04:34,450 --> 00:04:31,460
see this in mice we see this in cell

113
00:04:37,330 --> 00:04:34,460

cultures we see this all over the place

114

00:04:39,490 --> 00:04:37,340

healing is a nonlinear response and it

115

00:04:42,400 --> 00:04:39,500

also has methodological implications in

116

00:04:44,740 --> 00:04:42,410

the sense that if I do an experiment and

117

00:04:46,930 --> 00:04:44,750

let's say I've got a bunch of mice and I

118

00:04:48,910 --> 00:04:46,940

give them whatever I give them and we're

119

00:04:50,350 --> 00:04:48,920

going along and I stop the experiment at

120

00:04:53,530 --> 00:04:50,360

the end of a week and when I'd say well

121

00:04:57,790 --> 00:04:53,540

it failed but if I got two weeks it's

122

00:04:59,890 --> 00:04:57,800

dramatically different and so there's a

123

00:05:04,240 --> 00:04:59,900

wall so to many logical implications

124

00:05:05,710 --> 00:05:04,250

from non-linearity I'm reasonably

125

00:05:07,360 --> 00:05:05,720

confident at this point but not the

126

00:05:09,730 --> 00:05:07,370

focus of this talk that healing is

127

00:05:11,350 --> 00:05:09,740

information rather than energy out there

128

00:05:13,000 --> 00:05:11,360

in the world people talk about energy

129

00:05:15,610 --> 00:05:13,010

healing I don't think there's any energy

130

00:05:17,170 --> 00:05:15,620

I think the energy is in the Healey not

131

00:05:20,530 --> 00:05:17,180

in the healer and I don't think any

132

00:05:22,780 --> 00:05:20,540

energy is transmitted I can demonstrate

133

00:05:24,610 --> 00:05:22,790

but not today that there's a resonant

134

00:05:26,920 --> 00:05:24,620

bond between healer and healing that's

135

00:05:29,170 --> 00:05:26,930

fluid I can show face locking of brains

136

00:05:31,480 --> 00:05:29,180

at a distance using EEG s using

137

00:05:34,390 --> 00:05:31,490

functional MRIs using you see something

138

00:05:36,610 --> 00:05:34,400

links physically separate groups

139

00:05:40,570 --> 00:05:36,620

together whether it's human to human

140

00:05:42,490 --> 00:05:40,580

human to Mouse cell to cell you can you

141

00:05:46,000 --> 00:05:42,500

can touch something bonds them together

142

00:05:47,680 --> 00:05:46,010

not the focus of this talk I can also

143

00:05:49,510 --> 00:05:47,690

demonstrate not the focus of this talk

144

00:05:51,280 --> 00:05:49,520

that that healing is not due to a

145

00:05:54,250 --> 00:05:51,290

particular state of mind on the part of

146

00:05:58,900 --> 00:05:54,260

the healer belief I suspect probably

147

00:06:01,240 --> 00:05:58,910

retards healing belief on the part of

148

00:06:03,910 --> 00:06:01,250

the healer retards healing belief on the

149

00:06:06,340 --> 00:06:03,920

part of the Healey retards healing it's

150

00:06:09,250 --> 00:06:06,350

it's pretty interesting healing is

151

00:06:11,350 --> 00:06:09,260

rather an autonomic response to need and

152

00:06:13,120 --> 00:06:11,360

I'm gonna couple of slides that might

153

00:06:13,900 --> 00:06:13,130

indicate that but it would be a talk

154

00:06:18,490 --> 00:06:13,910

unto itself

155

00:06:20,530 --> 00:06:18,500

and I keep going on and on and on so for

156

00:06:23,800 --> 00:06:20,540

today the question is can we put in a

157

00:06:25,110 --> 00:06:23,810

bottle can we stick in the battery can

158

00:06:27,180 --> 00:06:25,120

we make a nap

159

00:06:29,370 --> 00:06:27,190

the heal around the killer app I don't

160

00:06:31,740 --> 00:06:29,380

whatever you want to call it who else so

161

00:06:33,990 --> 00:06:31,750

just a couple of pictures of the SSE

162

00:06:36,960 --> 00:06:34,000

folks have seen hundreds and hundreds of

163

00:06:38,940 --> 00:06:36,970

my studies and slides and they're sick

164

00:06:42,000 --> 00:06:38,950

of it and for the newbies said just a

165

00:06:43,920 --> 00:06:42,010

couple of slides here the basic model

166

00:06:46,770 --> 00:06:43,930

that I use is I take something off the

167

00:06:49,770 --> 00:06:46,780

shelf meaning an already proven existing

168

00:06:51,450 --> 00:06:49,780

model a mouse model in in this

169

00:06:54,930 --> 00:06:51,460

particular mouse model there's more than

170

00:06:56,940 --> 00:06:54,940

2000 published experiments you know

171

00:06:59,280 --> 00:06:56,950

what's going to happen to them and I

172

00:07:01,320 --> 00:06:59,290

introduce a single variable what happens

173

00:07:03,090 --> 00:07:01,330

if I put healing into the equation what

174

00:07:04,890 --> 00:07:03,100

changes I mean that's basically the

175

00:07:07,020 --> 00:07:04,900

model whether you're dealing with cell

176
00:07:09,750 --> 00:07:07,030
cultures are you dealing with mice what

177
00:07:12,450 --> 00:07:09,760
happens if i interject healing into the

178
00:07:14,040 --> 00:07:12,460
into the model in this particular one we

179
00:07:17,370 --> 00:07:14,050
got a bunch of mice that die within a

180
00:07:19,560 --> 00:07:17,380
month and and this is probably the most

181
00:07:22,050 --> 00:07:19,570
commonly used experimenter the most

182
00:07:24,830 --> 00:07:22,060
commonly published experiment it's it's

183
00:07:27,719 --> 00:07:24,840
ugly research in non metastatic cancer

184
00:07:29,279 --> 00:07:27,729
you inject a mouse and and the tumor

185
00:07:31,710 --> 00:07:29,289
gets bigger and bigger and bigger you

186
00:07:34,529 --> 00:07:31,720
don't need to be a biologist one leg is

187
00:07:36,000 --> 00:07:34,539
gone inside the tumor the fur is falling

188
00:07:38,250 --> 00:07:36,010

out the eyes are dull this is

189

00:07:42,080 --> 00:07:38,260

essentially a dead mouse and we

190

00:07:44,490 --> 00:07:42,090

introduced into this off-the-shelf model

191

00:07:46,560 --> 00:07:44,500

the variable of healing so in particular

192

00:07:49,590 --> 00:07:46,570

we try to get really really good-looking

193

00:07:51,719 --> 00:07:49,600

people to put their hands put their

194

00:07:53,730 --> 00:07:51,729

hands around the cage one of our

195

00:07:55,310 --> 00:07:53,740

mysteries is that ugly people can't heal

196

00:07:57,960 --> 00:07:55,320

we don't know what that's about

197

00:08:00,420 --> 00:07:57,970

I'm trying to get a grant for that and I

198

00:08:03,029 --> 00:08:00,430

think what we'll find out tonight how to

199

00:08:05,610 --> 00:08:03,039

get that so why can't I Glee people heal

200

00:08:07,350 --> 00:08:05,620

so we introduce healing and and the

201
00:08:08,940 --> 00:08:07,360
healing is extraordinarily boring and

202
00:08:11,460 --> 00:08:08,950
you treat cage after cage after cage

203
00:08:14,250 --> 00:08:11,470
after cage in this particular experiment

204
00:08:17,129 --> 00:08:14,260
there are six rooms going on I just

205
00:08:19,080 --> 00:08:17,139
don't out anybody else so there's other

206
00:08:20,640 --> 00:08:19,090
faculty members in different rooms doing

207
00:08:21,719 --> 00:08:20,650
the same thing there's students in there

208
00:08:24,690 --> 00:08:21,729
and they're doing the technique that

209
00:08:27,020 --> 00:08:24,700
that I developed and and you do that and

210
00:08:31,170 --> 00:08:27,030
then you get pretty interesting results

211
00:08:33,659 --> 00:08:31,180
the tumors grow and then the tumors

212
00:08:37,110 --> 00:08:33,669
start to develop a blackened area and

213
00:08:39,500 --> 00:08:37,120

then the tumors ulcerate and the

214

00:08:42,360 --> 00:08:39,510

ulceration can be really

215

00:08:44,820 --> 00:08:42,370

you think that was a sick mouse turns

216

00:08:46,230 --> 00:08:44,830

out that's almost a cured Mouse and very

217

00:08:48,030 --> 00:08:46,240

soon after this you're gonna have a

218

00:08:52,740 --> 00:08:48,040

phase transition and the thing is just

219

00:08:57,200 --> 00:08:52,750

going to heal so we deal with a model

220

00:09:00,960 --> 00:08:57,210

that has 100% death and we get 100% cure

221

00:09:04,350 --> 00:09:00,970

you don't need to do stats it says the

222

00:09:06,930 --> 00:09:04,360

statistician and some give you a quick

223

00:09:09,090 --> 00:09:06,940

illustration of a phase transition this

224

00:09:11,430 --> 00:09:09,100

is a particular Mouse it's a different

225

00:09:13,230 --> 00:09:11,440

Mouse and less picture but you see it's

226

00:09:15,450 --> 00:09:13,240

not the ulcerations not as big this is

227

00:09:19,670 --> 00:09:15,460

22 days subsequent to injection I'll

228

00:09:24,060 --> 00:09:22,830

that's a phase transition and so we're

229

00:09:25,860 --> 00:09:24,070

not talking about I'm getting a little

230

00:09:28,170 --> 00:09:25,870

better I've got cancer

231

00:09:31,500 --> 00:09:28,180

histology will show cancer in that and

232

00:09:33,990 --> 00:09:31,510

then it's gone and so if I had stopped

233

00:09:36,090 --> 00:09:34,000

this a couple of days earlier then I

234

00:09:37,800 --> 00:09:36,100

would say no the healing didn't work but

235

00:09:40,050 --> 00:09:37,810

if you carry it out long enough suddenly

236

00:09:42,120 --> 00:09:40,060

that's going to be a transition and so

237

00:09:44,700 --> 00:09:42,130

once again because it's really cool to

238

00:09:46,140 --> 00:09:44,710

look at Here I am six days later and

239

00:09:48,090 --> 00:09:46,150

that's the biologists pulling back the

240

00:09:49,830 --> 00:09:48,100

fur looking for where it was if you

241

00:09:51,570 --> 00:09:49,840

don't pull back the fur and there's no

242

00:09:53,790 --> 00:09:51,580

sign of cancer and the mouse will live

243

00:09:55,560 --> 00:09:53,800

its entire lifespan more than that it's

244

00:09:59,520 --> 00:09:55,570

immune to further injections for its

245

00:10:01,230 --> 00:09:59,530

entire life you can do it with people

246

00:10:02,550 --> 00:10:01,240

but you have to deal with very small

247

00:10:05,100 --> 00:10:02,560

people because they don't fit in a cage

248

00:10:09,130 --> 00:10:05,110

necessarily

249

00:10:09,850 --> 00:10:09,140

and they squeal I don't know we don't

250

00:10:12,160 --> 00:10:09,860

know what that's about

251
00:10:13,420 --> 00:10:12,170
again I'm seeking a grant for that but

252
00:10:14,889 --> 00:10:13,430
you'll see stuff you don't want to see

253
00:10:16,900 --> 00:10:14,899
and then suddenly you'll see stuff that

254
00:10:18,970 --> 00:10:16,910
you do want to say you can do this by

255
00:10:20,710 --> 00:10:18,980
thermal imaging you can do this by you

256
00:10:23,860 --> 00:10:20,720
know cancer markers you can do this in a

257
00:10:27,639 --> 00:10:23,870
whole variety of different ways so the

258
00:10:30,400 --> 00:10:27,649
question is can we bottle this what

259
00:10:33,550 --> 00:10:30,410
stores healing and what can we use I

260
00:10:35,410 --> 00:10:33,560
think a battery is a better analogy okay

261
00:10:39,190 --> 00:10:35,420
can we use this it and stick this in a

262
00:10:41,290 --> 00:10:39,200
battery and can we do this in biology or

263
00:10:43,090 --> 00:10:41,300

should we take a biological approach to

264

00:10:45,340 --> 00:10:43,100

this or should we take a physical

265

00:10:48,970 --> 00:10:45,350

approach to this what's the best way to

266

00:10:51,100 --> 00:10:48,980

make a battery so the first thing we got

267

00:10:53,470 --> 00:10:51,110

to do is we see if can healing be stored

268

00:10:55,569 --> 00:10:53,480

and what can it be stored in and it

269

00:10:58,810 --> 00:10:55,579

turns out it seems to be able to be

270

00:11:04,290 --> 00:10:58,820

stored both in biology and as well as in

271

00:11:06,550 --> 00:11:04,300

stuff we'll show you that in a second so

272

00:11:08,470 --> 00:11:06,560

we'll just do the highlighted one say

273

00:11:10,300 --> 00:11:08,480

I've already said mice are immune to

274

00:11:13,930 --> 00:11:10,310

repeatedly injections of cancer once

275

00:11:15,970 --> 00:11:13,940

they're cured now this next bullet is

276
00:11:18,310 --> 00:11:15,980
reasonably interesting an infected mouse

277
00:11:21,880 --> 00:11:18,320
can be cured by cell transplantation

278
00:11:24,040 --> 00:11:21,890
from a treated mouse this I'm saying is

279
00:11:26,740 --> 00:11:24,050
a storage facility this is biological

280
00:11:28,600 --> 00:11:26,750
storage and just as a side thing we've

281
00:11:30,400 --> 00:11:28,610
killed through cell lines you get a

282
00:11:32,530 --> 00:11:30,410
mouse cheek it's got a tumor and you

283
00:11:33,010 --> 00:11:32,540
grind it up you see that it moves

284
00:11:35,980 --> 00:11:33,020
forward

285
00:11:38,199 --> 00:11:35,990
well we kill the cell line but that

286
00:11:41,980 --> 00:11:38,209
means some happen something biologically

287
00:11:44,290 --> 00:11:41,990
is going on so stupid little cartoon

288
00:11:47,139 --> 00:11:44,300

here you got a mouse on the left that

289

00:11:49,750 --> 00:11:47,149

has been treated with with the healing

290

00:11:51,760 --> 00:11:49,760

and it's got an ulceration and you take

291

00:11:54,370 --> 00:11:51,770

some cells out and you stick it into

292

00:11:57,540 --> 00:11:54,380

another Mouse without further treatment

293

00:12:00,759 --> 00:11:57,550

of the healing and everybody's cure

294

00:12:03,699 --> 00:12:00,769

something's in the mouse and that's what

295

00:12:06,750 --> 00:12:03,709

I mean by biological storage now what if

296

00:12:10,660 --> 00:12:06,760

we treat stuff well this is a particular

297

00:12:14,260 --> 00:12:10,670

experiment done at UC San Diego where we

298

00:12:18,019 --> 00:12:14,270

treat stuff the nutrient in which cells

299

00:12:22,519 --> 00:12:18,029

are grown and so the question is can

300

00:12:25,419 --> 00:12:22,529

can we store healing in in the medium so

301
00:12:28,970 --> 00:12:25,429
we treat that we ship it off to a lab

302
00:12:31,759 --> 00:12:28,980
and give you another example of phase

303
00:12:33,939 --> 00:12:31,769
transition this is a week we're just

304
00:12:38,470 --> 00:12:33,949
gonna do this crudely over here is

305
00:12:42,019 --> 00:12:38,480
controls and here are stuff that's been

306
00:12:44,539 --> 00:12:42,029
grown in the treated medium at full and

307
00:12:46,909 --> 00:12:44,549
and half dilution and and what we have

308
00:12:49,460 --> 00:12:46,919
here is after one week nothing happens

309
00:12:51,349 --> 00:12:49,470
if you take a mouse earlier what and you

310
00:12:53,449 --> 00:12:51,359
look at it nothing happens but suddenly

311
00:12:55,460 --> 00:12:53,459
everything changes at the end of one

312
00:12:56,869 --> 00:12:55,470
week nothing happens there's no change

313
00:12:58,819 --> 00:12:56,879

in growth there's no change in the

314

00:13:01,699 --> 00:12:58,829

process there's no and then suddenly in

315

00:13:03,710 --> 00:13:01,709

the second week it explodes in this

316

00:13:07,039 --> 00:13:03,720

particular case the treated medium acts

317

00:13:11,659 --> 00:13:07,049

as a contributor to the acceleration of

318

00:13:15,109 --> 00:13:11,669

growth so cancer cells thrive in treated

319

00:13:18,530 --> 00:13:15,119

medium notice please healing is not

320

00:13:21,530 --> 00:13:18,540

killing and so cancer cells as cancer

321

00:13:24,889 --> 00:13:21,540

cells is the client of the healer if

322

00:13:27,439 --> 00:13:24,899

they're given exposed to healing then

323

00:13:28,849 --> 00:13:27,449

they explode they they thrive if you we

324

00:13:30,679 --> 00:13:28,859

haven't done this yet if we stick it

325

00:13:33,650 --> 00:13:30,689

into a mouse I'm predicting it'll

326

00:13:35,329 --> 00:13:33,660

collapse I'm almost always wrong Brenda

327

00:13:37,429 --> 00:13:35,339

so don't don't write that down yeah so

328

00:13:42,979 --> 00:13:37,439

but we got to find out because he'll I

329

00:13:44,989 --> 00:13:42,989

don't know if we treat water bottles so

330

00:13:46,729 --> 00:13:44,999

the previous was organic this is not

331

00:13:48,679 --> 00:13:46,739

organic we treat water bottles in this

332

00:13:50,239 --> 00:13:48,689

course is generates turf if we treat

333

00:13:51,979 --> 00:13:50,249

water bottles and we treat the water

334

00:13:55,699 --> 00:13:51,989

bottles we feed them to mice we never

335

00:13:58,489 --> 00:13:55,709

meet those mice get cured - it would

336

00:14:01,220 --> 00:13:58,499

appear healing is being stored in water

337

00:14:03,439 --> 00:14:01,230

it would appear it's being stored in a

338

00:14:05,090 --> 00:14:03,449

mouse it would appear it can be stored

339

00:14:06,949 --> 00:14:05,100

in a Cell medium of course we have no

340

00:14:09,109 --> 00:14:06,959

idea what the technology is behind this

341

00:14:10,869 --> 00:14:09,119

and what is possible to store it in and

342

00:14:16,159 --> 00:14:10,879

what it's not possible to store in

343

00:14:18,529 --> 00:14:16,169

ongoing research project but before we

344

00:14:20,599 --> 00:14:18,539

get all the Tindall and and Jerry goes

345

00:14:22,819 --> 00:14:20,609

marching off and says hey you can store

346

00:14:24,060 --> 00:14:22,829

healing in water it turns out that

347

00:14:25,970 --> 00:14:24,070

healing turn

348

00:14:29,130 --> 00:14:25,980

has tremendous amounts of methodological

349

00:14:31,880 --> 00:14:29,140

complications in particular we have this

350

00:14:35,970 --> 00:14:31,890

resonant bonding

351

00:14:37,860 --> 00:14:35,980

it's a article of faith in out there

352

00:14:40,980 --> 00:14:37,870

probably outside of this room that

353

00:14:43,740 --> 00:14:40,990

physically separate things are

354

00:14:46,050 --> 00:14:43,750

independent of each other and it turns

355

00:14:48,360 --> 00:14:46,060

out in the healing stuff we take mice

356

00:14:50,460 --> 00:14:48,370

and we physically separate them we treat

357

00:14:54,090 --> 00:14:50,470

this they don't seem to really be

358

00:14:57,330 --> 00:14:54,100

separate and so we have the problem of

359

00:14:58,530 --> 00:14:57,340

even those parts of our experiment this

360

00:15:01,380 --> 00:14:58,540

is going to come up with something

361

00:15:03,480 --> 00:15:01,390

called meaning peels we think later even

362

00:15:05,340 --> 00:15:03,490

parts of our experiment or mice or cell

363

00:15:07,830 --> 00:15:05,350

cultures or whatever which are not

364

00:15:10,800 --> 00:15:07,840

treated but are part of our conceptual

365

00:15:13,140 --> 00:15:10,810

experiment they also seem to get the

366

00:15:18,270 --> 00:15:13,150

treatment and so we have incredible

367

00:15:20,880 --> 00:15:18,280

methodological problems so if I treat

368

00:15:22,710 --> 00:15:20,890

this case of mice and there's another

369

00:15:27,030 --> 00:15:22,720

case of mice over here that's a control

370

00:15:29,550 --> 00:15:27,040

and this group gets treated also was it

371

00:15:31,290 --> 00:15:29,560

the water was it really the medium or it

372

00:15:33,600 --> 00:15:31,300

was something else going on so it turns

373

00:15:38,010 --> 00:15:33,610

out healing research is pretty difficult

374

00:15:40,560 --> 00:15:38,020

methodologically so here's an example of

375

00:15:43,650 --> 00:15:40,570

an experiment it's not really to scale

376

00:15:47,010 --> 00:15:43,660

but we had more than three cages we got

377

00:15:49,350 --> 00:15:47,020

cages here a hundred metres apart away

378

00:15:51,690 --> 00:15:49,360

is a control not seen by any of the

379

00:15:53,580 --> 00:15:51,700

volunteer healers we also had second

380

00:15:56,250 --> 00:15:53,590

controls that we didn't know the healers

381

00:15:59,510 --> 00:15:56,260

didn't know even existed and over here

382

00:16:02,100 --> 00:15:59,520

we've got labs of the exact same mouse

383

00:16:04,920 --> 00:16:02,110

now this is actually gonna be a lead-in

384

00:16:09,690 --> 00:16:04,930

to a months but the the if you believe

385

00:16:12,390 --> 00:16:09,700

in field effects and this extends to a

386

00:16:13,770 --> 00:16:12,400

certain distance anything presumably in

387

00:16:19,440 --> 00:16:13,780

the range of the field should be

388

00:16:22,410 --> 00:16:19,450

affected but here's what happens these

389

00:16:25,470 --> 00:16:22,420

other labs independent mice died on

390

00:16:28,590 --> 00:16:25,480

schedule same exact mouse model our mice

391

00:16:30,480 --> 00:16:28,600

get cured control mice get cured this

392

00:16:33,270 --> 00:16:30,490

happens in 16 experiments in six

393

00:16:35,370 --> 00:16:33,280

different labs and the land the control

394

00:16:36,150 --> 00:16:35,380

mice not known to the healers are also

395

00:16:40,200 --> 00:16:36,160

getting cured

396

00:16:42,840 --> 00:16:40,210

so we need some model that what's the

397

00:16:44,540 --> 00:16:42,850

influence and what's the extension of

398

00:16:48,620 --> 00:16:44,550

the influence and what ties it together

399

00:16:55,230 --> 00:16:53,670

bonds appear to be fluid and an

400

00:16:57,090 --> 00:16:55,240

interesting area will be trying to

401
00:17:00,720 --> 00:16:57,100
figure out the laws of bonding and

402
00:17:03,090 --> 00:17:00,730
unbonded bottles can be broken this is

403
00:17:06,420 --> 00:17:03,100
my all-time favorite experiment this is

404
00:17:09,600 --> 00:17:06,430
to scale these are five pages filled

405
00:17:11,550 --> 00:17:09,610
with mice on a single lab bench and we

406
00:17:14,309 --> 00:17:11,560
have a controlled lab that's in the

407
00:17:16,470 --> 00:17:14,319
building and we have a second control

408
00:17:22,110 --> 00:17:16,480
site trying to get these suckers to die

409
00:17:24,870 --> 00:17:22,120
sent to another city three of them the

410
00:17:26,640 --> 00:17:24,880
healers or biologists they don't believe

411
00:17:28,650 --> 00:17:26,650
in healing they think healing is crazy

412
00:17:30,600 --> 00:17:28,660
all that kind of stuff two of the

413
00:17:32,130 --> 00:17:30,610

healers are not biologists they don't

414

00:17:33,750 --> 00:17:32,140

believe in healing they think healing is

415

00:17:36,810 --> 00:17:33,760

crazy the only difference is one of my

416

00:17:38,640 --> 00:17:36,820

ologist one aren't we told the

417

00:17:40,590 --> 00:17:38,650

biologists if there's to control some

418

00:17:43,590 --> 00:17:40,600

place in the building don't go look for

419

00:17:47,970 --> 00:17:43,600

them now if you tell students not to

420

00:17:50,670 --> 00:17:47,980

look for them okay they said and they

421

00:17:52,230 --> 00:17:50,680

keep that they didn't look for them they

422

00:17:53,880 --> 00:17:52,240

just went there for ten minutes you know

423

00:17:56,480 --> 00:17:53,890

so that in their heads they didn't look

424

00:17:59,790 --> 00:17:56,490

for them now here's what was happening

425

00:18:02,820 --> 00:17:59,800

the control mice were dying on schedule

426

00:18:06,000 --> 00:18:02,830

as predicted as per history and the

427

00:18:07,860 --> 00:18:06,010

biologists went to peek at them and as

428

00:18:09,650 --> 00:18:07,870

soon as the biologists Pete they weren't

429

00:18:12,000 --> 00:18:09,660

there they swear more than 10 minutes

430

00:18:13,920 --> 00:18:12,010

the control mice started to go into the

431

00:18:17,070 --> 00:18:13,930

remission pattern and they were

432

00:18:19,140 --> 00:18:17,080

eventually cured now here's the

433

00:18:22,820 --> 00:18:19,150

interesting part the biologists mice

434

00:18:26,310 --> 00:18:22,830

died and near treat them every day and

435

00:18:29,520 --> 00:18:26,320

they died and the non biologists mice

436

00:18:33,450 --> 00:18:29,530

lived and the control mice it was only

437

00:18:36,450 --> 00:18:36,060

a lot of head scratcher goes on in this

438

00:18:41,490 --> 00:18:36,460

field

439

00:18:42,779 --> 00:18:41,500

no layered anomalies this is a wonderful

440

00:18:44,940 --> 00:18:42,789

experiment now here's the other thing

441

00:18:47,190 --> 00:18:44,950

I'm not gonna put this slide up so I

442

00:18:49,019 --> 00:18:47,200

won't put it up here because this is

443

00:18:50,580 --> 00:18:49,029

kind of a violation of every AIA cut

444

00:18:52,169 --> 00:18:50,590

principle there is but in this

445

00:18:55,019 --> 00:18:52,179

particular experiment we had everybody

446

00:18:56,880 --> 00:18:55,029

take a cage home you're not supposed to

447

00:18:58,799 --> 00:18:56,890

take mice home particularly to have cats

448

00:19:00,960 --> 00:18:58,809

but you don't take a you don't take a

449

00:19:02,460 --> 00:19:00,970

cage your mice home but I wanted to see

450

00:19:04,200 --> 00:19:02,470

could they do it at home I was

451
00:19:06,870 --> 00:19:04,210
predicting and I'm forgetting Brenda a

452
00:19:09,090 --> 00:19:06,880
yield I was almost always wrong I was

453
00:19:11,490 --> 00:19:09,100
predicting trying to find out can

454
00:19:13,799 --> 00:19:11,500
healing be taught if we got all the mice

455
00:19:15,779 --> 00:19:13,809
cages on a bench and there's any type of

456
00:19:17,399 --> 00:19:15,789
a field effect if any one of the five

457
00:19:19,560 --> 00:19:17,409
healers could heal they should all get

458
00:19:21,029 --> 00:19:19,570
healed but what happens if they

459
00:19:23,600 --> 00:19:21,039
individually take them home and no one

460
00:19:30,269 --> 00:19:26,310
they take them home everybody's cured

461
00:19:32,820 --> 00:19:30,279
even biologists can heal at home but it

462
00:19:35,549 --> 00:19:32,830
turns out biologists can't heal at the

463
00:19:38,549 --> 00:19:35,559

lab now this goes back to the great

464

00:19:41,250 --> 00:19:38,559

Barnard grad I'm bowing the granddaddy

465

00:19:43,860 --> 00:19:41,260

of all healing research and grad founded

466

00:19:46,350 --> 00:19:43,870

McGill in the 1950s and 60s testing

467

00:19:48,060 --> 00:19:46,360

medical students what is the effect of

468

00:19:49,769 --> 00:19:48,070

medical students who intend to heal and

469

00:19:54,090 --> 00:19:49,779

it turns out they have an effect they

470

00:19:55,500 --> 00:19:54,100

healing his conclusion if you're

471

00:20:00,330 --> 00:19:55,510

sick don't go to anybody's been near

472

00:20:02,610 --> 00:20:00,340

medical school but you see the problem

473

00:20:05,100 --> 00:20:02,620

methodological problems here there that

474

00:20:07,470 --> 00:20:05,110

was it the cell medium was that the cell

475

00:20:09,419 --> 00:20:07,480

transplantation was hit the water it so

476

00:20:11,220 --> 00:20:09,429

I set up an experiment with Jerry we

477

00:20:13,289 --> 00:20:11,230

haven't done yet I set up an experiment

478

00:20:14,820 --> 00:20:13,299

Jerry we got a blind for this and what

479

00:20:16,470 --> 00:20:14,830

happens to the water and what's the

480

00:20:21,750 --> 00:20:16,480

information in the water these are

481

00:20:24,830 --> 00:20:21,760

reasonably interesting questions so same

482

00:20:28,409 --> 00:20:24,840

question does it fit in the battery

483

00:20:30,090 --> 00:20:28,419

should it be a biological battery can be

484

00:20:31,980 --> 00:20:30,100

stored in biology should it be a

485

00:20:34,350 --> 00:20:31,990

physical battery seems to be able to be

486

00:20:37,139 --> 00:20:34,360

stored and stuff that's the question

487

00:20:39,019 --> 00:20:37,149

so here are my partners in crime first

488

00:20:44,260 --> 00:20:39,029

guys in the back john McMichael

489

00:20:49,480 --> 00:20:47,200

being raiding who many of you know so

490

00:20:51,250 --> 00:20:49,490

we're working on this Dean has a weird

491

00:20:54,010 --> 00:20:51,260

tendency to walk around taken peoples

492

00:20:59,860 --> 00:20:54,020

temperature we don't know why that is so

493

00:21:01,540 --> 00:20:59,870

you go hi Dean he goes Mike Turner who's

494

00:21:05,950 --> 00:21:01,550

going after I just saw Mike before

495

00:21:07,780 --> 00:21:05,960

Mike's coming after us and Sarah Besim

496

00:21:09,700 --> 00:21:07,790

who is going to be going with the tail

497

00:21:11,320 --> 00:21:09,710

end of this talk and we're trying to

498

00:21:13,510 --> 00:21:11,330

figure out what's the best approach so

499

00:21:16,210 --> 00:21:13,520

these these are my partners in crime and

500

00:21:19,120 --> 00:21:16,220

now just thinking about this if you take

501
00:21:21,190 --> 00:21:19,130
a biological approach to having a store

502
00:21:22,780 --> 00:21:21,200
healing we got problems so what if

503
00:21:25,330 --> 00:21:22,790
healing could be stored and what if we

504
00:21:27,100 --> 00:21:25,340
could make a vaccine so the good news is

505
00:21:29,140 --> 00:21:27,110
we can make a vaccine the bad news is

506
00:21:31,780 --> 00:21:29,150
you hit go try to use the vaccine out

507
00:21:34,090 --> 00:21:31,790
there how'd you get the vaccine well we

508
00:21:36,520 --> 00:21:34,100
we call it the hocus-pocus back seat

509
00:21:38,410 --> 00:21:36,530
what do you do so I'm trying to do an

510
00:21:40,450 --> 00:21:38,420
end run here and see if we can make a

511
00:21:43,419 --> 00:21:40,460
physical solution which would be more

512
00:21:45,730 --> 00:21:43,429
reproducible can we record it can we

513
00:21:49,660 --> 00:21:45,740

store it and can we reproduce it by a

514

00:21:55,240 --> 00:21:49,670

physical storage even if we could make a

515

00:21:57,520 --> 00:21:55,250

vaccine so here's the plot cotton using

516

00:21:59,680 --> 00:21:57,530

cotton this goes also back to the great

517

00:22:01,810 --> 00:21:59,690

Barnard grad he discovered that cotton

518

00:22:03,790 --> 00:22:01,820

will store energy and store healing and

519

00:22:06,790 --> 00:22:03,800

store all that kind of stuff and we have

520

00:22:09,190 --> 00:22:06,800

used this the some good use out there in

521

00:22:10,780 --> 00:22:09,200

the world apparently cotton is very good

522

00:22:12,880 --> 00:22:10,790

at this and it turns out to be a healing

523

00:22:15,370 --> 00:22:12,890

potential it doesn't have it's not a

524

00:22:18,820 --> 00:22:15,380

consequence cut doesn't take in tenth

525

00:22:21,430 --> 00:22:18,830

cotton takes healing potential it's the

526

00:22:23,350 --> 00:22:21,440

battery and now if someone uses it they

527

00:22:25,090 --> 00:22:23,360

can use it for X they can use it for y

528

00:22:26,290 --> 00:22:25,100

they can use it for Z it doesn't make

529

00:22:26,799 --> 00:22:26,300

any difference or everybody else knows

530

00:22:31,150 --> 00:22:26,809

about it

531

00:22:34,810 --> 00:22:31,160

cotton seems to be a donor we don't know

532

00:22:37,720 --> 00:22:34,820

what else can so the question is here's

533

00:22:39,160 --> 00:22:37,730

another complication can we do this it

534

00:22:41,320 --> 00:22:39,170

seems to matter if there's a healing

535

00:22:43,210 --> 00:22:41,330

need different talk but I think healing

536

00:22:47,070 --> 00:22:43,220

is brought upon by the Healy not the

537

00:22:48,940 --> 00:22:47,080

healer and here's an example of

538

00:22:49,230 --> 00:22:48,950

interesting things that happened when

539

00:22:52,800 --> 00:22:49,240

there

540

00:22:55,770 --> 00:22:52,810

need mice in my experiments no matter

541

00:22:58,710 --> 00:22:55,780

who's doing the treatment go to the left

542

00:23:00,750 --> 00:22:58,720

hand when they're sick we spin the cage

543

00:23:02,220 --> 00:23:00,760

they don't like that when the cage stops

544

00:23:04,430 --> 00:23:02,230

spinning you put your hands down and

545

00:23:06,450 --> 00:23:04,440

they'll try to move to this spot

546

00:23:08,310 --> 00:23:06,460

everyone in my system becomes

547

00:23:10,890 --> 00:23:08,320

left-handed that's interesting in and of

548

00:23:12,390 --> 00:23:10,900

itself but when the mice have a need

549

00:23:13,860 --> 00:23:12,400

they go to the left hand once they're

550

00:23:17,460 --> 00:23:13,870

cured they don't say that there's no

551
00:23:18,600 --> 00:23:17,470
attraction to the left hand at all so

552
00:23:22,890 --> 00:23:18,610
here's an example

553
00:23:24,870 --> 00:23:22,900
these are nude mice the the cage has

554
00:23:26,940 --> 00:23:24,880
been spun and they're all they got

555
00:23:28,560 --> 00:23:26,950
tumors and they're trot they if we put

556
00:23:32,190 --> 00:23:28,570
this into a movie you'd see them

557
00:23:33,570 --> 00:23:32,200
rotating around this spot doesn't make

558
00:23:36,000 --> 00:23:33,580
any difference the kind of cancer it

559
00:23:37,740 --> 00:23:36,010
doesn't emit the kind of mice this mouse

560
00:23:39,000 --> 00:23:37,750
has had its turn its gonna walk its way

561
00:23:42,900 --> 00:23:39,010
around and it would be a really

562
00:23:45,240 --> 00:23:42,910
interesting movie to shoot so we take

563
00:23:46,920 --> 00:23:45,250

cotton and the question is do you have a

564

00:23:48,840 --> 00:23:46,930

need so we've taken cotton and we've

565

00:23:51,630 --> 00:23:48,850

given cell cultures that don't have a

566

00:23:53,640 --> 00:23:51,640

need they're just your basic cells and

567

00:23:55,580 --> 00:23:53,650

we put cotton near the cells and nothing

568

00:24:00,420 --> 00:23:55,590

happens

569

00:24:03,030 --> 00:24:00,430

no change but if the cotton if the cells

570

00:24:06,570 --> 00:24:03,040

have a need these are cancer cells then

571

00:24:07,950 --> 00:24:06,580

we get genomic changes so in other words

572

00:24:12,510 --> 00:24:07,960

short version now we're going to get

573

00:24:15,060 --> 00:24:12,520

more detail later biology in need seems

574

00:24:18,840 --> 00:24:15,070

to be able to figure out whether cotton

575

00:24:20,820 --> 00:24:18,850

is charged or not so we got your basic

576

00:24:23,100 --> 00:24:20,830

out of CVS cotton and we got the

577

00:24:26,520 --> 00:24:23,110

continents been applied hocus pocus to

578

00:24:28,950 --> 00:24:26,530

it it looks the same you put it under a

579

00:24:31,170 --> 00:24:28,960

microscope it looks the same but if a

580

00:24:33,000 --> 00:24:31,180

cell doesn't have a need they they can't

581

00:24:35,280 --> 00:24:33,010

tell the difference but if a cell has a

582

00:24:36,990 --> 00:24:35,290

need the cells can tell a difference in

583

00:24:40,320 --> 00:24:37,000

whether Cotton's change or not their

584

00:24:43,520 --> 00:24:40,330

genomic changes can gizmos technical

585

00:24:47,670 --> 00:24:43,530

terms detect whether cotton is charged

586

00:24:49,200 --> 00:24:47,680

and the answer is no so far Mike's going

587

00:24:52,200 --> 00:24:49,210

to talk about this in a couple of

588

00:24:55,290 --> 00:24:52,210

minutes using different but but gizmos

589

00:24:57,150 --> 00:24:55,300

off the shelf and we put cotton ear and

590

00:24:58,410 --> 00:24:57,160

we and we do that they they don't seem

591

00:25:00,660 --> 00:24:58,420

to be able to detect

592

00:25:01,980 --> 00:25:00,670

and so a question it's another question

593

00:25:04,440 --> 00:25:01,990

I don't know the answer

594

00:25:06,810 --> 00:25:04,450

maybe life needs to be the detector of

595

00:25:09,630 --> 00:25:06,820

healing maybe it has to be alive too

596

00:25:12,660 --> 00:25:09,640

early to conclude that but so far it

597

00:25:15,120 --> 00:25:12,670

seems as if life has an easy life in

598

00:25:17,190 --> 00:25:15,130

need not just life life indeed has an

599

00:25:22,320 --> 00:25:17,200

easier time telling whether something

600

00:25:24,180 --> 00:25:22,330

has been charged or not so we go back to

601
00:25:30,050 --> 00:25:24,190
can we record the chart you've cotton

602
00:25:34,350 --> 00:25:30,060
play it back and reproduce the Cure so

603
00:25:36,600 --> 00:25:34,360
we get Superman isn't that Dean's lab

604
00:25:38,430 --> 00:25:36,610
and ions we're not trying to be cool

605
00:25:39,690 --> 00:25:38,440
here we're doing infrared stuff we don't

606
00:25:43,370 --> 00:25:39,700
want to be blind that's really what's

607
00:25:47,250 --> 00:25:43,380
going on and Superman was watching over

608
00:25:50,750 --> 00:25:47,260
so we're in a Faraday cage of some heft

609
00:25:53,430 --> 00:25:50,760
it's it's big and industrial-strength

610
00:25:56,790 --> 00:25:53,440
nothing and inside we have all sorts of

611
00:25:59,280 --> 00:25:56,800
gizmos and a little setup here and and a

612
00:26:01,740 --> 00:25:59,290
little setup here and setup here and

613
00:26:03,900 --> 00:26:01,750

different kinds of detectors actually 38

614

00:26:06,660 --> 00:26:03,910

different kinds of detectors of all

615

00:26:08,250 --> 00:26:06,670

being fed into a supercomputer with how

616

00:26:10,380 --> 00:26:08,260

to be water process because we got so

617

00:26:16,350 --> 00:26:10,390

many processors and we got all that kind

618

00:26:19,940 --> 00:26:16,360

of thing so can we record not healing

619

00:26:24,120 --> 00:26:19,950

can we record the act of charging cotton

620

00:26:25,920 --> 00:26:24,130

and here you have potential you're not

621

00:26:28,200 --> 00:26:25,930

doing it for particular end you're doing

622

00:26:30,810 --> 00:26:28,210

it as potential in the works here sooner

623

00:26:33,780 --> 00:26:30,820

or later we hope we'll be looking at

624

00:26:36,660 --> 00:26:33,790

healing potential charge cotton on stem

625

00:26:39,510 --> 00:26:36,670

cells potential and see what happens if

626
00:26:42,510 --> 00:26:39,520
potential means don't know the answer to

627
00:26:43,860 --> 00:26:42,520
that yet so can we tell a difference or

628
00:26:46,320 --> 00:26:43,870
can we see

629
00:26:49,740 --> 00:26:46,330
can we get a something in the battery

630
00:26:51,720 --> 00:26:49,750
and can can that signal reproduce the

631
00:26:56,160 --> 00:26:51,730
cure and doesn't matter whether the

632
00:26:58,770 --> 00:26:56,170
detector is alive or not so we've got 51

633
00:27:02,160 --> 00:26:58,780
different recording sessions in the

634
00:27:03,450 --> 00:27:02,170
Faraday cage and we so far and Mike's

635
00:27:06,560 --> 00:27:03,460
going to give more on this in a little

636
00:27:09,170 --> 00:27:06,570
bit but we buy objective measure

637
00:27:11,090 --> 00:27:09,180
of any worth we're not getting a

638
00:27:15,370 --> 00:27:11,100

reliable healing versus controlled

639

00:27:19,100 --> 00:27:15,380

difference he's going to talk about

640

00:27:22,070 --> 00:27:19,110

electromagnetic bursts but people can

641

00:27:24,140 --> 00:27:22,080

feel the damn thing I have it here

642

00:27:26,210 --> 00:27:24,150

everybody wants to listen to it later we

643

00:27:28,610 --> 00:27:26,220

can figure out a time to listen to it

644

00:27:31,660 --> 00:27:28,620

and very weird stuff happens when you

645

00:27:34,900 --> 00:27:31,670

play this recording by very weird I mean

646

00:27:37,640 --> 00:27:34,910

people have physiological reactions

647

00:27:39,170 --> 00:27:37,650

conditions disappear weird stuff happens

648

00:27:42,290 --> 00:27:39,180

I have no idea Mike's gonna analyze

649

00:27:46,580 --> 00:27:42,300

what's in it for in a bit but we put the

650

00:27:48,410 --> 00:27:46,590

stuff on and people can feel it now it's

651
00:27:53,180 --> 00:27:48,420
his turf but there's not really much

652
00:27:55,550 --> 00:27:53,190
there and I think we don't know the

653
00:27:57,800 --> 00:27:55,560
people who feel it feel it in the place

654
00:28:01,460 --> 00:27:57,810
here comes the extension that they have

655
00:28:04,310 --> 00:28:01,470
a need people who seem to have this is

656
00:28:06,320 --> 00:28:04,320
only loose anecdote mark problems feel

657
00:28:08,060 --> 00:28:06,330
it in the chest people who have back

658
00:28:09,770 --> 00:28:08,070
problems feel it in the back

659
00:28:14,150 --> 00:28:09,780
people have knee problems feel it in the

660
00:28:17,810 --> 00:28:14,160
knee just reporting and so the question

661
00:28:20,390 --> 00:28:17,820
is can we do that and what happens if we

662
00:28:22,850 --> 00:28:20,400
play this stuff and this Sarah is going

663
00:28:24,650 --> 00:28:22,860

to now take us down a path of what

664

00:28:28,460 --> 00:28:24,660

happens that we play this stuff to

665

00:28:30,290 --> 00:28:28,470

self-help hello ever'one I want to

666

00:28:32,410 --> 00:28:30,300

present you what we've been doing at

667

00:28:35,120 --> 00:28:32,420

relapse

668

00:28:41,300 --> 00:28:35,130

we did some genomic studies so that's

669

00:28:43,700 --> 00:28:41,310

that's we want to measure any effect of

670

00:28:47,060 --> 00:28:43,710

these recordings whether it's in vitro

671

00:28:52,060 --> 00:28:47,070

in vivo we are scientists and we want to

672

00:28:56,750 --> 00:28:52,070

prove everything so this is ours this

673

00:28:59,780 --> 00:28:56,760

this is our setup we had to be we had to

674

00:29:03,290 --> 00:28:59,790

think really hard how to expose these

675

00:29:07,150 --> 00:29:03,300

cells to the recordings we don't want to

676

00:29:10,690 --> 00:29:07,160

expose our stock cells to these today's

677

00:29:17,310 --> 00:29:10,700

this energy that it's storing it so we

678

00:29:24,940 --> 00:29:20,290

speakers inside the incubator we've got

679

00:29:27,010 --> 00:29:24,950

a amplifier that's like to a normal

680

00:29:32,170 --> 00:29:27,020

computer that place the recording and

681

00:29:35,080 --> 00:29:32,180

repeats and so we tested two recordings

682

00:29:38,290 --> 00:29:35,090

to start we have a third one know that

683

00:29:40,780 --> 00:29:38,300

we're testing right now and we play them

684

00:29:46,270 --> 00:29:40,790

sequentially to the cells with some

685

00:29:50,320 --> 00:29:46,280

controls with no sound and so this was

686

00:29:52,810 --> 00:29:50,330

the designer to experiment first we I

687

00:29:58,180 --> 00:29:52,820

called it an s-1 so it was a no sound

688

00:30:00,100 --> 00:29:58,190

control one then this is so bill call

689

00:30:02,500 --> 00:30:00,110

did the full spectrum recording and I

690

00:30:07,210 --> 00:30:02,510

think Mike Turner will explain what what

691

00:30:11,230 --> 00:30:07,220

that means really I can't tell you then

692

00:30:12,970 --> 00:30:11,240

the third exposure was a whether it was

693

00:30:15,400 --> 00:30:12,980

called scalar recording it was a second

694

00:30:16,780 --> 00:30:15,410

reporting and to finish we had another

695

00:30:20,160 --> 00:30:16,790

set of control cells that weren't

696

00:30:25,270 --> 00:30:20,170

exposed to no no song at another point

697

00:30:27,700 --> 00:30:25,280

this design was to compare what would be

698

00:30:30,640 --> 00:30:27,710

the genomics of these cells when they

699

00:30:32,140 --> 00:30:30,650

are explicit of recording vs no sound so

700

00:30:36,520 --> 00:30:32,150

hopefully we can see a difference and

701

00:30:42,190 --> 00:30:36,530

get a first idea of what to look for in

702

00:30:45,910 --> 00:30:42,200

terms of mechanism of action and also

703

00:30:48,510 --> 00:30:45,920

this control here was designed to in

704

00:30:56,550 --> 00:30:48,520

case there's any remaining effect over a

705

00:30:59,950 --> 00:30:56,560

bill called it there is not as it said

706

00:31:01,480 --> 00:30:59,960

because of the one of the theory was

707

00:31:04,780 --> 00:31:01,490

also that is energy could stay in the

708

00:31:06,330 --> 00:31:04,790

room and so you'll see that that's the

709

00:31:09,910 --> 00:31:06,340

first question we really ask ourselves

710

00:31:12,220 --> 00:31:09,920

and that tells you so we use these genes

711

00:31:14,710 --> 00:31:12,230

that were identifying the cotton study I

712

00:31:16,659 --> 00:31:14,720

didn't put a full name of the gene

713

00:31:20,320 --> 00:31:16,669

because it will be just confusing for

714

00:31:22,389 --> 00:31:20,330

for us so here in that graph I compare

715

00:31:24,879 --> 00:31:22,399

this is different time of exposure of

716

00:31:29,080 --> 00:31:24,889

the recording so either half hour for

717

00:31:31,090 --> 00:31:29,090

our full day or two days and this is the

718

00:31:34,180 --> 00:31:31,100

level of expression of that gene so in

719

00:31:36,039 --> 00:31:34,190

why she see this was at the very

720

00:31:37,869 --> 00:31:36,049

beginning of the experiment then we

721

00:31:40,330 --> 00:31:37,879

played the recording status sales and

722

00:31:43,509 --> 00:31:40,340

then we have another set of cells that

723

00:31:45,210 --> 00:31:43,519

were not exposed to recording after the

724

00:31:48,029 --> 00:31:45,220

other cells were exposed and you see it

725

00:31:50,320 --> 00:31:48,039

there's some one significant difference

726

00:31:52,960 --> 00:31:50,330

which was surprising these cells are

727

00:31:55,060 --> 00:31:52,970

supposed to have a very stable level of

728

00:31:58,210 --> 00:31:55,070

expression you don't see that every time

729

00:32:00,310 --> 00:31:58,220

point here for those who are familiar we

730

00:32:02,649 --> 00:32:00,320

just kind of graphs this these bars here

731

00:32:07,419 --> 00:32:02,659

tells us that there's no not an actual

732

00:32:09,970 --> 00:32:07,429

difference so we looked at all the other

733

00:32:13,119 --> 00:32:09,980

genes that were from that studies and

734

00:32:16,710 --> 00:32:13,129

all these this red boxes shows you that

735

00:32:20,680 --> 00:32:16,720

there was actually quite a number of

736

00:32:24,749 --> 00:32:20,690

difference between these two controls so

737

00:32:27,820 --> 00:32:24,759

what the what does that tell us that the

738

00:32:30,820 --> 00:32:27,830

recording even after seems to have an

739

00:32:33,129 --> 00:32:30,830

effect on the expression of certain

740

00:32:36,779 --> 00:32:33,139

genes after the exposure which

741

00:32:40,440 --> 00:32:36,789

correlates to builds resonant bonding

742

00:32:43,330 --> 00:32:40,450

idea and does the energy stay in a room

743

00:32:46,930 --> 00:32:43,340

is it storing the incubator is stored

744

00:32:53,830 --> 00:32:46,940

somewhere and kind of energy cleaner fix

745

00:32:57,310 --> 00:32:53,840

it so we worked with URI whose has a

746

00:32:59,499 --> 00:32:57,320

clean sweep spray that can clean the

747

00:33:02,200 --> 00:32:59,509

energy of the room and you see me a

748

00:33:08,529 --> 00:33:02,210

little talking without knowing very much

749

00:33:10,509 --> 00:33:08,539

I I'm a very vivid doubly deep person so

750

00:33:12,480 --> 00:33:10,519

I I want to try it see if it works and

751

00:33:14,520 --> 00:33:12,490

then I'll tell you oh yes that

752

00:33:17,700 --> 00:33:14,530

the energy before that I won't tell you

753

00:33:19,590 --> 00:33:17,710

it it does so why not let's try it it's

754

00:33:21,270 --> 00:33:19,600

in progress so while we're going to

755

00:33:24,030 --> 00:33:21,280

design the same we are designing the

756

00:33:26,280 --> 00:33:24,040

same type of experiment well spray

757

00:33:28,230 --> 00:33:26,290

deplete the new Clean Sweep

758

00:33:30,020 --> 00:33:28,240

and we'll see if we see you will still

759

00:33:33,390 --> 00:33:30,030

see that difference between the controls

760

00:33:35,010 --> 00:33:33,400

and once we have an answer to this

761

00:33:37,530 --> 00:33:35,020

question and probably lead to more

762

00:33:45,090 --> 00:33:37,540

questions and I'll see you next next

763

00:33:47,760 --> 00:33:45,100

year the second question we were asking

764

00:33:52,530 --> 00:33:47,770

ourselves well okay we have this this

765

00:33:53,940 --> 00:33:52,540

recording of killing activity does that

766

00:33:56,610 --> 00:33:53,950

do anything of the genes that are

767

00:34:00,690 --> 00:33:56,620

involving cancer well so now we're

768

00:34:02,640 --> 00:34:00,700

comparing I'm black and gray you see

769

00:34:06,330 --> 00:34:02,650

that that's the level the gene LeBell

770

00:34:09,780 --> 00:34:06,340

for four cells that are exposed to these

771

00:34:14,010 --> 00:34:09,790

recordings and you see this arrows shows

772

00:34:17,070 --> 00:34:14,020

you that for these genes not all of them

773

00:34:19,099 --> 00:34:17,080

there is a difference when the recording

774

00:34:21,869 --> 00:34:19,109

is is played to the cells the genius

775

00:34:24,510 --> 00:34:21,879

usually upregulated means there's more

776

00:34:27,119 --> 00:34:24,520

expression of that genes what does that

777

00:34:28,830 --> 00:34:27,129

mean in terms of biology we don't let me

778

00:34:31,260 --> 00:34:28,840

know now but what we know is that there

779

00:34:36,389 --> 00:34:31,270

is an effect and these experiment almost

780

00:34:42,000 --> 00:34:36,399

you need to have a first give us a

781

00:34:44,940 --> 00:34:42,010

direction to look into for future

782

00:34:48,270 --> 00:34:44,950

experiment so we had this result these

783

00:34:52,710 --> 00:34:48,280

were we did that different time point as

784

00:34:56,310 --> 00:34:52,720

I was showing you so even more more

785

00:34:59,700 --> 00:34:56,320

errors that shows a difference so next

786

00:35:03,540 --> 00:34:59,710

up is what do we want to see okay we

787

00:35:06,390 --> 00:35:03,550

prove that some genes are there the key

788

00:35:09,560 --> 00:35:06,400

that can be there's an effect of this

789

00:35:12,570 --> 00:35:09,570

recording we have a few uh few

790

00:35:15,359 --> 00:35:12,580

preliminary genes already to identify

791

00:35:16,600 --> 00:35:15,369

what if we can probably identify more

792

00:35:19,830 --> 00:35:16,610

pathways or more

793

00:35:24,040 --> 00:35:19,840

that can be modified so we enlarge our

794

00:35:27,160 --> 00:35:24,050

panel of cancers and we looked at Jesus

795

00:35:32,020 --> 00:35:27,170

or involving cancer pathways because

796

00:35:35,110 --> 00:35:32,030

those are cancer cells with the results

797

00:35:37,000 --> 00:35:35,120

that were seen in mice and this idea

798

00:35:40,660 --> 00:35:37,010

that might be an immune component to

799

00:35:42,540 --> 00:35:40,670

them to the healing process we also were

800

00:35:47,160 --> 00:35:42,550

interested in genes involving the

801
00:35:50,620 --> 00:35:47,170
immunology and information so we looked

802
00:35:53,200 --> 00:35:50,630
venture genes in each path pathway I was

803
00:35:56,290 --> 00:35:53,210
a little over eighty genes so it's more

804
00:35:59,050 --> 00:35:56,300
than 160 genes and multiple time points

805
00:36:00,760 --> 00:35:59,060
so there was a pretty extensive genomic

806
00:36:02,920 --> 00:36:00,770
study that's just an example

807
00:36:04,990 --> 00:36:02,930
I'm gonna explain and I'm not gonna go

808
00:36:06,610 --> 00:36:05,000
through every single bar here that's

809
00:36:11,680 --> 00:36:06,620
just one example of the amount of data

810
00:36:16,060 --> 00:36:11,690
we accumulated and in summary so these

811
00:36:21,970 --> 00:36:16,070
here are genes that we identify in that

812
00:36:26,620 --> 00:36:21,980
first really screening that seems to be

813
00:36:28,990 --> 00:36:26,630

to respond to the to the recording that

814

00:36:32,050 --> 00:36:29,000

we were playing what's interesting is

815

00:36:34,780 --> 00:36:32,060

some of these gene are involving the

816

00:36:37,570 --> 00:36:34,790

apoptosis I don't know if anymore any of

817

00:36:40,450 --> 00:36:37,580

you is familiar with that pathway it's a

818

00:36:44,530 --> 00:36:40,460

it's programmed cell death so it's very

819

00:36:46,900 --> 00:36:44,540

very important in a lot of disease this

820

00:36:49,660 --> 00:36:46,910

pathway here telomere length is also

821

00:36:54,670 --> 00:36:49,670

very important in aging or age-related

822

00:36:57,820 --> 00:36:54,680

disease so this is a very first step

823

00:37:00,970 --> 00:36:57,830

toward possible understanding of what's

824

00:37:03,370 --> 00:37:00,980

going on to maybe explain the reaction

825

00:37:06,240 --> 00:37:03,380

of people who can who can for sensitive

826

00:37:09,270 --> 00:37:06,250

to this recording and if we can explain

827

00:37:12,610 --> 00:37:09,280

some sort of mechanism biological

828

00:37:15,540 --> 00:37:12,620

mechanism maybe we can get to something

829

00:37:20,550 --> 00:37:15,550

we can actually provide and

830

00:37:24,990 --> 00:37:20,560

people to heal so we continuing

831

00:37:27,480 --> 00:37:25,000

gathering data on on now we're going to

832

00:37:32,580 --> 00:37:27,490

look at this this it was ten genes

833

00:37:34,290 --> 00:37:32,590

little closer also we have a new

834

00:37:35,730 --> 00:37:34,300

recording that was recording me doing

835

00:37:39,540 --> 00:37:35,740

different why not I'd have a Faraday

836

00:37:42,770 --> 00:37:39,550

cage but in a knot in a cage in a studio

837

00:37:46,050 --> 00:37:42,780

there's a little improvement in the

838

00:37:48,510 --> 00:37:46,060

working conditions for Bill and we

839

00:37:50,430 --> 00:37:48,520

hopefully will begin animal studies if

840

00:37:56,880 --> 00:37:50,440

we get some interesting more interesting

841

00:37:59,490 --> 00:37:56,890

results in vitro okay so we thank the

842

00:38:04,950 --> 00:37:59,500

Emerald a charitable trust for their

843

00:38:08,570 --> 00:38:04,960

support and this is it that was Bill and

844

00:38:08,580 --> 00:38:14,120

[Applause]

845

00:38:18,600 --> 00:38:16,770

you mentioned that you've done 84

846

00:38:21,270 --> 00:38:18,610

different tests I'm seeing error bars

847

00:38:23,280 --> 00:38:21,280

are we correcting for multiple tests in

848

00:38:28,130 --> 00:38:23,290

terms of our probabilities of these

849

00:38:32,040 --> 00:38:28,140

experiments but your does the decision

850

00:38:35,340 --> 00:38:32,050

[Laughter]

851

00:38:38,040 --> 00:38:35,350

I haven't know yeah I don't know they're

852

00:38:40,110 --> 00:38:38,050

running again the standard stuff that

853

00:38:42,120 --> 00:38:40,120

they do but I haven't come in as a

854

00:38:42,660 --> 00:38:42,130

statistical over your shoulder look

855

00:38:45,720 --> 00:38:42,670

again

856

00:38:47,430 --> 00:38:45,730

yeah if we're wrong everybody else in

857

00:39:00,810 --> 00:38:47,440

biology is wrong so but I but that's not

858

00:39:06,150 --> 00:39:00,820

an answer to your question that's a long

859

00:39:07,830 --> 00:39:06,160

answer Sam just very briefly for example

860

00:39:09,600 --> 00:39:07,840

if we're talking about traditional kinds

861

00:39:12,390 --> 00:39:09,610

of energy and I'm talking to you and I'm

862

00:39:14,820 --> 00:39:12,400

backing off then you're gonna I'll trail

863

00:39:17,010 --> 00:39:14,830

up and they get chronic healing we do it

864

00:39:18,390 --> 00:39:17,020

at different distances and such there

865

00:39:22,260 --> 00:39:18,400

doesn't seem to be any difference

866

00:39:24,360 --> 00:39:22,270

whatsoever the the you do a mouse

867

00:39:26,940 --> 00:39:24,370

experiment 2 inches you repeat it at

868

00:39:34,500 --> 00:39:26,950

2,000 miles it seems to be the same

869

00:39:37,890 --> 00:39:34,510

there's no diminishing the it's it's a

870

00:39:39,750 --> 00:39:37,900

complicated answer the the it also has

871

00:39:42,120 --> 00:39:39,760

to do with the kind of cancer you treat

872

00:39:46,470 --> 00:39:42,130

it turns out the more aggressive the

873

00:39:49,020 --> 00:39:46,480

cancer is the easier it is to fix so

874

00:39:51,390 --> 00:39:49,030

given similar kinds of doses to a very

875

00:39:52,770 --> 00:39:51,400

slow-growing cancer giving the same dose

876

00:39:54,300 --> 00:39:52,780

to a fast-growing cancer the

877

00:39:57,030 --> 00:39:54,310

fast-growing cancer is going to respond

878

00:39:58,980 --> 00:39:57,040

much quicker the energy is the

879

00:40:01,470 --> 00:39:58,990

information would be the same the

880

00:40:04,080 --> 00:40:01,480

energies in the system itself it's in

881

00:40:06,350 --> 00:40:04,090

the it's in the disease so very

882

00:40:08,520 --> 00:40:06,360

aggressive cancers leave very quickly

883

00:40:10,380 --> 00:40:08,530

but I mean I can keep going but you can

884

00:40:14,420 --> 00:40:10,390

see it becomes a pretty pretty

885

00:40:16,980 --> 00:40:14,430

interesting problem to try to untangle

886

00:40:19,890 --> 00:40:16,990

those Steve you're in charge so their

887

00:40:21,330 --> 00:40:19,900

hands up yeah we really are out of time

888

00:40:23,930 --> 00:40:21,340

but if you'd step to the mic real

889

00:40:33,290 --> 00:40:23,940

quickly we can maybe take one more quick

890

00:40:36,380 --> 00:40:33,300

I would my guess it is yes that's my

891

00:40:38,780 --> 00:40:36,390

guess but that's not worth a penny we

892

00:40:40,520 --> 00:40:38,790

you know I think I'm running through

893

00:40:43,220 --> 00:40:40,530

some studies I should do peace in your

894

00:40:45,890 --> 00:40:43,230

question I don't know the answer to it

895

00:40:47,930 --> 00:40:45,900

but my speculation would be yes it would

896

00:40:50,420 --> 00:40:47,940

seem it would seem that way but I can't