

Spatial & Temporal Coherences of Biophoton Emission

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**SOCIETY
FOR
SCIENTIFIC
EXPLORATION**

1
00:00:08,629 --> 00:00:06,150

[Music]

2
00:00:12,070 --> 00:00:08,639

hello everyone

3
00:00:13,990 --> 00:00:12,080

yeah i am da chingpio in the school of

4
00:00:16,070 --> 00:00:14,000

electrical and computer engineering in

5
00:00:18,870 --> 00:00:16,080

oklahoma state university and i'm

6
00:00:22,630 --> 00:00:18,880

delighted to present my

7
00:00:25,349 --> 00:00:22,640

some ideas that i have on the biophoton

8
00:00:27,349 --> 00:00:25,359

and the topic is spatial

9
00:00:30,070 --> 00:00:27,359

and the temporal coherences of a

10
00:00:33,590 --> 00:00:30,080

biophoton emission and what if they have

11
00:00:35,350 --> 00:00:33,600

a connection to consciousness

12
00:00:37,910 --> 00:00:35,360

so there

13
00:00:41,140 --> 00:00:37,920

biophoton is a pretty

14

00:00:42,389 --> 00:00:41,150
complex topic and i only want to

15

00:00:44,709 --> 00:00:42,399
[Music]

16

00:00:46,150 --> 00:00:44,719
project something and

17

00:00:48,950 --> 00:00:46,160
for

18

00:00:52,069 --> 00:00:48,960
biophotons of humans and there i think

19

00:00:55,110 --> 00:00:52,079
it started with so-called outro weak

20

00:00:56,470 --> 00:00:55,120
photon emission of live organisms it is

21

00:00:58,389 --> 00:00:56,480
covered by

22

00:01:02,470 --> 00:00:58,399
alexander garbage

23

00:01:04,549 --> 00:01:02,480
and it has some very special properties

24

00:01:07,030 --> 00:01:04,559
as we know of now

25

00:01:09,270 --> 00:01:07,040
first it's very weak

26

00:01:10,590 --> 00:01:09,280

so you need either the very highly

27

00:01:13,750 --> 00:01:10,600

sensitive

28

00:01:15,109 --> 00:01:13,760

photomultiplier tube or a very highly

29

00:01:18,550 --> 00:01:15,119

called

30

00:01:21,350 --> 00:01:18,560

ccd detector to detect them and

31

00:01:22,789 --> 00:01:21,360

if it's about maybe three orders of

32

00:01:25,510 --> 00:01:22,799

magnitude

33

00:01:27,109 --> 00:01:25,520

weaker than what our eyes can

34

00:01:28,390 --> 00:01:27,119

can sense

35

00:01:31,190 --> 00:01:28,400

and about

36

00:01:34,149 --> 00:01:31,200

peculiar uh properties that it's also

37

00:01:36,870 --> 00:01:34,159

pretty broadband i guess uh there may be

38

00:01:39,429 --> 00:01:36,880

more on the ultraviolet but there are

39

00:01:42,469 --> 00:01:39,439

indications that they could cover entire

40

00:01:44,550 --> 00:01:42,479

visible spectral range

41

00:01:45,830 --> 00:01:44,560

and it's spontaneous

42

00:01:48,389 --> 00:01:45,840

so but

43

00:01:51,510 --> 00:01:48,399

it's also showing that it's inducible

44

00:01:54,069 --> 00:01:51,520

and particularly and they're from there

45

00:01:56,630 --> 00:01:54,079

are living organisms that can be

46

00:01:58,789 --> 00:01:56,640

stressed so there are some nice patterns

47

00:02:01,990 --> 00:01:58,799

that you can see that is

48

00:02:04,870 --> 00:02:02,000

related to the change the variation of

49

00:02:07,350 --> 00:02:04,880

bio photons relates to the

50

00:02:09,430 --> 00:02:07,360

to the stress level and it's counting

51
00:02:12,630 --> 00:02:09,440
statistics it's also

52
00:02:14,710 --> 00:02:12,640
um just not like other other photon

53
00:02:16,150 --> 00:02:14,720
emissions so it's something that is

54
00:02:18,790 --> 00:02:16,160
strange

55
00:02:21,510 --> 00:02:18,800
and early on it was it had a lot of

56
00:02:24,309 --> 00:02:21,520
names tied to it but i guess

57
00:02:26,390 --> 00:02:24,319
professor pop and just coined the name

58
00:02:30,710 --> 00:02:26,400
of biophotons and i'm particularly

59
00:02:32,710 --> 00:02:30,720
interested in biophotons of humans

60
00:02:37,110 --> 00:02:32,720
so there

61
00:02:38,550 --> 00:02:37,120
there are quite a number of literatures

62
00:02:41,750 --> 00:02:38,560
that

63
00:02:43,830 --> 00:02:41,760

have shown some very conspicuous and the

64

00:02:46,630 --> 00:02:43,840

mysterious about the weak patterns of

65

00:02:49,589 --> 00:02:46,640

biophotons of humans and i think they

66

00:02:51,910 --> 00:02:49,599

need some kind of explanation there are

67

00:02:54,150 --> 00:02:51,920

some but there are a lot of stuff that

68

00:02:57,990 --> 00:02:54,160

needs to be explained

69

00:03:00,790 --> 00:02:58,000

one thing is the spatial pattern

70

00:03:03,030 --> 00:03:00,800

that means it's like acquired from whole

71

00:03:05,750 --> 00:03:03,040

body from a healthy

72

00:03:08,149 --> 00:03:05,760

people and a group in japan is

73

00:03:10,390 --> 00:03:08,159

particularly active on that and you can

74

00:03:13,190 --> 00:03:10,400

see this bio photon

75

00:03:16,710 --> 00:03:13,200

emissions from krc

76

00:03:20,550 --> 00:03:16,720

a human subject looks like the head and

77

00:03:23,670 --> 00:03:20,560

then solder this area it has i have more

78

00:03:26,390 --> 00:03:23,680

the biophoton activities

79

00:03:27,589 --> 00:03:26,400

so this is a special pattern and there

80

00:03:30,390 --> 00:03:27,599

is also

81

00:03:33,750 --> 00:03:30,400

quite several european groups and one

82

00:03:36,789 --> 00:03:33,760

group today also basically combined the

83

00:03:39,430 --> 00:03:36,799

measurements from human beings and then

84

00:03:43,110 --> 00:03:39,440

they showed this kind of uh

85

00:03:46,390 --> 00:03:43,120

special pattern of a biophoton that

86

00:03:48,550 --> 00:03:46,400

is more or less consistent if lower at

87

00:03:50,869 --> 00:03:48,560

one side it may be lower at the other

88

00:03:52,229 --> 00:03:50,879

side so something like this and

89

00:03:55,350 --> 00:03:52,239

according to

90

00:03:57,750 --> 00:03:55,360

this paper that the concept of a pattern

91

00:04:00,550 --> 00:03:57,760

was further studied by focusing on the

92

00:04:04,070 --> 00:04:00,560

emission gradient from low emission

93

00:04:07,110 --> 00:04:04,080

sites over the abdomen to high emission

94

00:04:08,149 --> 00:04:07,120

sites over the forehead and the palms of

95

00:04:11,270 --> 00:04:08,159

the head

96

00:04:13,750 --> 00:04:11,280

and essentially they referred to that as

97

00:04:15,830 --> 00:04:13,760

a common human anatomic percentage

98

00:04:17,670 --> 00:04:15,840

distribution emission pattern which

99

00:04:21,349 --> 00:04:17,680

means there are some very consistent

100

00:04:23,749 --> 00:04:21,359

patterns from heresy human being of this

101
00:04:25,270 --> 00:04:23,759
biophoton

102
00:04:27,110 --> 00:04:25,280
and this

103
00:04:29,590 --> 00:04:27,120
spatial pattern of

104
00:04:31,430 --> 00:04:29,600
biophotons they also show correlation

105
00:04:34,150 --> 00:04:31,440
interesting correlations you can call

106
00:04:36,469 --> 00:04:34,160
them at coherence for example this

107
00:04:39,350 --> 00:04:36,479
earlier work you see that at the

108
00:04:42,310 --> 00:04:39,360
baseline the right hand left hand there

109
00:04:45,350 --> 00:04:42,320
are biophotons this sim looks like they

110
00:04:46,710 --> 00:04:45,360
have similar phases but the one from her

111
00:04:49,670 --> 00:04:46,720
forehead

112
00:04:51,990 --> 00:04:49,680
it's shifted in phase a little bit

113
00:04:54,710 --> 00:04:52,000

when the human being is

114

00:04:57,350 --> 00:04:54,720

basically stressed with

115

00:05:00,710 --> 00:04:57,360

light and then you can see a significant

116

00:05:02,950 --> 00:05:00,720

change of biophotons and then there this

117

00:05:05,749 --> 00:05:02,960

is the delayed luminescence the right

118

00:05:08,870 --> 00:05:05,759

hand left hand they are still quite much

119

00:05:10,390 --> 00:05:08,880

in sync with each other the forehead had

120

00:05:12,550 --> 00:05:10,400

some phase shift

121

00:05:15,270 --> 00:05:12,560

so there is this kind of

122

00:05:17,510 --> 00:05:15,280

spatial patterns that are correlated

123

00:05:19,749 --> 00:05:17,520

with each other you might end it up with

124

00:05:21,830 --> 00:05:19,759

some phaser shift but they are one more

125

00:05:25,510 --> 00:05:21,840

or less correlated

126
00:05:28,790 --> 00:05:25,520
and here is another one that from the

127
00:05:30,950 --> 00:05:28,800
group they showed some changes of

128
00:05:33,990 --> 00:05:30,960
the biophotos

129
00:05:35,189 --> 00:05:34,000
associated with some disease conditions

130
00:05:38,629 --> 00:05:35,199
and this is

131
00:05:41,510 --> 00:05:38,639
scary losses case i don't know

132
00:05:43,110 --> 00:05:41,520
it didn't mention which hand they had

133
00:05:46,870 --> 00:05:43,120
the problem

134
00:05:49,830 --> 00:05:46,880
but another study from korea and showed

135
00:05:54,310 --> 00:05:49,840
that for the patient with

136
00:05:56,070 --> 00:05:54,320
a hemi process the one that biophoton is

137
00:05:59,590 --> 00:05:56,080
stronger at the

138
00:06:00,469 --> 00:05:59,600

normal side between the two hands

139

00:06:03,909 --> 00:06:00,479

and

140

00:06:04,870 --> 00:06:03,919

so this is left hemi process this is the

141

00:06:07,590 --> 00:06:04,880

right

142

00:06:09,590 --> 00:06:07,600

hemi process and you can see the higher

143

00:06:13,270 --> 00:06:09,600

biophoton

144

00:06:14,870 --> 00:06:13,280

emission from the more normal side so

145

00:06:17,830 --> 00:06:14,880

these are the special patterns

146

00:06:20,469 --> 00:06:17,840

associated with pathology so those are

147

00:06:22,710 --> 00:06:20,479

interesting difficult to to study

148

00:06:23,909 --> 00:06:22,720

difficult to duplicate about a very

149

00:06:26,230 --> 00:06:23,919

interesting

150

00:06:29,350 --> 00:06:26,240

on the other hand there are also

151

00:06:32,550 --> 00:06:29,360

some temporal patterns that are quite

152

00:06:35,270 --> 00:06:32,560

consistent and it has been repeated by

153

00:06:37,430 --> 00:06:35,280

multiple groups and again this is the

154

00:06:40,309 --> 00:06:37,440

japan group but they show that it's kind

155

00:06:42,550 --> 00:06:40,319

of the change of patterns

156

00:06:46,309 --> 00:06:42,560

in the morning in the afternoon it

157

00:06:48,710 --> 00:06:46,319

varies so it's kind of hours today long

158

00:06:51,749 --> 00:06:48,720

patterns diurnal patterns

159

00:06:54,710 --> 00:06:51,759

and here is over has been observed over

160

00:06:57,270 --> 00:06:54,720

a few days and they saw that this

161

00:07:00,309 --> 00:06:57,280

increase of the biophoton emission over

162

00:07:03,029 --> 00:07:00,319

a few days negatively correlates with

163

00:07:05,110 --> 00:07:03,039

the reduction of cortisol concentration

164

00:07:05,990 --> 00:07:05,120

in saliva

165

00:07:09,510 --> 00:07:06,000

and

166

00:07:12,390 --> 00:07:09,520

there are also another study that to

167

00:07:13,589 --> 00:07:12,400

show that this kind of variation over

168

00:07:16,790 --> 00:07:13,599

about

169

00:07:19,430 --> 00:07:16,800

a day or so and this is apparently it's

170

00:07:23,029 --> 00:07:19,440

some kind of sign of sorry though

171

00:07:25,110 --> 00:07:23,039

changes overlapped with some variations

172

00:07:27,189 --> 00:07:25,120

so something like this is very

173

00:07:28,390 --> 00:07:27,199

interesting

174

00:07:34,870 --> 00:07:28,400

and

175

00:07:37,189 --> 00:07:34,880

interesting but this one has spent much

176

00:07:40,710 --> 00:07:37,199

longer years it's a temporal pattern

177

00:07:42,150 --> 00:07:40,720

observed and then it's from a 2016 paper

178

00:07:44,550 --> 00:07:42,160

and that's

179

00:07:47,270 --> 00:07:44,560

a spontaneous biophoton emission

180

00:07:51,029 --> 00:07:47,280

measured at the acupuncture points of

181

00:07:52,070 --> 00:07:51,039

air it's at the tip of this index

182

00:07:55,350 --> 00:07:52,080

finger

183

00:07:58,390 --> 00:07:55,360

and they basically measured over a large

184

00:08:00,469 --> 00:07:58,400

number of people and you can see this

185

00:08:03,510 --> 00:08:00,479

from about 10 years old all the way to

186

00:08:05,990 --> 00:08:03,520

75 years old and this photon counts

187

00:08:07,909 --> 00:08:06,000

again there for calibrating normalizing

188

00:08:11,029 --> 00:08:07,919

this would be a daunting task about

189

00:08:13,510 --> 00:08:11,039

there if this study it's

190

00:08:16,309 --> 00:08:13,520

very rel was very reliable then we can

191

00:08:18,790 --> 00:08:16,319

see that an increase of this biophoton

192

00:08:21,589 --> 00:08:18,800

emission from this acupuncture point

193

00:08:25,430 --> 00:08:21,599

and i would argue that okay so that it

194

00:08:28,950 --> 00:08:25,440

was for male that was for female so this

195

00:08:29,990 --> 00:08:28,960

part might be related to menopause and

196

00:08:31,909 --> 00:08:30,000

this

197

00:08:34,630 --> 00:08:31,919

apparently would be the starting of the

198

00:08:37,110 --> 00:08:34,640

purity so this kind of patterns are

199

00:08:40,149 --> 00:08:37,120

quite interesting

200

00:08:43,029 --> 00:08:40,159

but more interesting to this community

201
00:08:45,829 --> 00:08:43,039
might be the content the biophoton

202
00:08:46,710 --> 00:08:45,839
variations associated with

203
00:08:49,670 --> 00:08:46,720
their

204
00:08:52,829 --> 00:08:49,680
the consciousness of mind state and

205
00:08:55,269 --> 00:08:52,839
there are some studies we know of from

206
00:08:58,389 --> 00:08:55,279
that aerobic

207
00:09:00,310 --> 00:08:58,399
and then for their biophoton changes

208
00:09:02,389 --> 00:09:00,320
very

209
00:09:04,790 --> 00:09:02,399
conspicuous changes

210
00:09:09,110 --> 00:09:04,800
during the healing session

211
00:09:11,509 --> 00:09:09,120
and so how to explain this and also in

212
00:09:13,750 --> 00:09:11,519
japan there were

213
00:09:14,790 --> 00:09:13,760

many studies i

214

00:09:18,230 --> 00:09:14,800

count

215

00:09:22,070 --> 00:09:18,240

quite a lot of studies from this is list

216

00:09:24,949 --> 00:09:22,080

and to indicate that biophoton changes

217

00:09:27,829 --> 00:09:24,959

as a function of mental states

218

00:09:31,269 --> 00:09:27,839

concentration meditation the changes

219

00:09:34,710 --> 00:09:31,279

varies a lot and also i know that

220

00:09:38,389 --> 00:09:34,720

dr cruz's rhine research center also

221

00:09:40,710 --> 00:09:38,399

does this study and was trying and it's

222

00:09:42,310 --> 00:09:40,720

measuring the biophotons from energy

223

00:09:43,910 --> 00:09:42,320

helix which means there are some

224

00:09:46,070 --> 00:09:43,920

connections but

225

00:09:48,870 --> 00:09:46,080

but will meditation increase the

226

00:09:50,710 --> 00:09:48,880

biophoton or we are another altered

227

00:09:53,910 --> 00:09:50,720

state of consciousness needs to reduce

228

00:09:55,509 --> 00:09:53,920

biophoton so this are still not

229

00:10:00,470 --> 00:09:55,519

known

230

00:10:03,509 --> 00:10:00,480

so over here so we have essentially a

231

00:10:05,829 --> 00:10:03,519

matter that is a biophoton that can be

232

00:10:08,069 --> 00:10:05,839

measured it has a spatial distribution

233

00:10:11,670 --> 00:10:08,079

it has a temporal variation it has some

234

00:10:14,150 --> 00:10:11,680

kind of mind state related alteration

235

00:10:16,389 --> 00:10:14,160

and if so the

236

00:10:17,269 --> 00:10:16,399

theme of this conference is connection

237

00:10:20,870 --> 00:10:17,279

so

238

00:10:23,509 --> 00:10:20,880

the mind

239

00:10:25,670 --> 00:10:23,519

so under this mind as we know talk about

240

00:10:27,829 --> 00:10:25,680

consciousness but it's just too big a

241

00:10:31,269 --> 00:10:27,839

topic about the consciousness so we're

242

00:10:33,990 --> 00:10:31,279

both down to the state of mind the mind

243

00:10:36,949 --> 00:10:34,000

state of the mind will both down to

244

00:10:38,870 --> 00:10:36,959

how neurons fire how they connected

245

00:10:41,430 --> 00:10:38,880

eventually so that's

246

00:10:44,389 --> 00:10:41,440

but you can't i don't believe that the

247

00:10:46,870 --> 00:10:44,399

mind can be isolated from the neuron or

248

00:10:48,630 --> 00:10:46,880

firing or neural connections so

249

00:10:51,910 --> 00:10:48,640

eventually it might be some kind of

250

00:10:52,949 --> 00:10:51,920

autonomic modulation and this could

251
00:10:55,430 --> 00:10:52,959
indicate

252
00:10:58,150 --> 00:10:55,440
physiological impact pathological

253
00:11:01,030 --> 00:10:58,160
changes or some kind of psychology

254
00:11:04,069 --> 00:11:01,040
factors so we have this matter we have

255
00:11:06,550 --> 00:11:04,079
this mind and then how are they possibly

256
00:11:08,790 --> 00:11:06,560
connect here so that's that's

257
00:11:10,310 --> 00:11:08,800
what i'm very interested

258
00:11:12,389 --> 00:11:10,320
to find out

259
00:11:15,269 --> 00:11:12,399
so why what do we know about the

260
00:11:17,990 --> 00:11:15,279
biophoton so we have this biophoton over

261
00:11:20,310 --> 00:11:18,000
here which is a light emission and then

262
00:11:23,190 --> 00:11:20,320
i think it's almost established that

263
00:11:25,670 --> 00:11:23,200

this one got to related to mitochondria

264

00:11:29,829 --> 00:11:25,680

when the during the life the organism

265

00:11:31,829 --> 00:11:29,839

life will say oh when it's just

266

00:11:34,069 --> 00:11:31,839

take oxygen in and out and there is

267

00:11:36,710 --> 00:11:34,079

oxygen consumption so this kind of

268

00:11:38,630 --> 00:11:36,720

excited states and there was a nice

269

00:11:41,030 --> 00:11:38,640

review paper by european group so they

270

00:11:44,150 --> 00:11:41,040

put this together so we know that

271

00:11:46,310 --> 00:11:44,160

this happens this way although this is

272

00:11:49,590 --> 00:11:46,320

probably not a done deal but this

273

00:11:51,670 --> 00:11:49,600

explains most of the stuff so it's a

274

00:11:54,470 --> 00:11:51,680

kind of a multiple exciting stage

275

00:11:57,350 --> 00:11:54,480

transition it has this

276

00:11:58,710 --> 00:11:57,360

so it it is some kind of a broader band

277

00:11:59,670 --> 00:11:58,720

spectrum

278

00:12:00,870 --> 00:11:59,680

but

279

00:12:03,750 --> 00:12:00,880

how

280

00:12:06,710 --> 00:12:03,760

would our consciousness possibly play a

281

00:12:09,430 --> 00:12:06,720

role over here so that was the question

282

00:12:10,550 --> 00:12:09,440

that i would like to pursue

283

00:12:13,670 --> 00:12:10,560

and

284

00:12:15,829 --> 00:12:13,680

i in in my two papers published in last

285

00:12:18,949 --> 00:12:15,839

year and the series of paper i was

286

00:12:22,230 --> 00:12:18,959

trying to basically try to understand

287

00:12:23,110 --> 00:12:22,240

the biophoton emission from this decay

288

00:12:25,990 --> 00:12:23,120

the

289

00:12:29,910 --> 00:12:26,000
stress response perspective so

290

00:12:31,190 --> 00:12:29,920
i consider that okay this biophoton is

291

00:12:34,069 --> 00:12:31,200
detected

292

00:12:35,910 --> 00:12:34,079
and then by this biophoton come from

293

00:12:38,230 --> 00:12:35,920
somewhere you have to have somewhere to

294

00:12:39,750 --> 00:12:38,240
generate the mitochondria activity to

295

00:12:43,110 --> 00:12:39,760
generate the photons then the

296

00:12:45,829 --> 00:12:43,120
mitochondria the the respiration of

297

00:12:48,790 --> 00:12:45,839
oxidative activities might be controlled

298

00:12:51,670 --> 00:12:48,800
or affected by external stress but in

299

00:12:54,870 --> 00:12:51,680
human cases it might be controlled

300

00:12:58,710 --> 00:12:54,880
somehow by some neural autonomic

301
00:13:01,030 --> 00:12:58,720
neuronal activity so i consider this as

302
00:13:03,750 --> 00:13:01,040
so any change let's assume we have a

303
00:13:06,790 --> 00:13:03,760
consistent mitochondrial activity

304
00:13:09,509 --> 00:13:06,800
consistent stabilized steady state the

305
00:13:12,069 --> 00:13:09,519
biophoton and then any change of that

306
00:13:15,350 --> 00:13:12,079
will it has to come from somewhere it

307
00:13:17,590 --> 00:13:15,360
can might come from extraordinary stress

308
00:13:20,629 --> 00:13:17,600
but it might also come from our brain

309
00:13:24,790 --> 00:13:20,639
that's something to alter that so with

310
00:13:27,829 --> 00:13:24,800
that and then i put some basically i

311
00:13:31,269 --> 00:13:27,839
consider this is the final the photon

312
00:13:33,829 --> 00:13:31,279
detected and then it's got to start from

313
00:13:36,949 --> 00:13:33,839

somewhere within the tissue or often is

314

00:13:39,110 --> 00:13:36,959

a live organism and any change of that

315

00:13:41,269 --> 00:13:39,120

got to come from somewhere so there is

316

00:13:43,030 --> 00:13:41,279

going to have some kind of a transfer

317

00:13:45,189 --> 00:13:43,040

pathway to

318

00:13:49,030 --> 00:13:45,199

transfer the stress

319

00:13:52,150 --> 00:13:49,040

to the final photon detection so i put

320

00:13:54,629 --> 00:13:52,160

out some models and try to model there

321

00:13:57,189 --> 00:13:54,639

eventually to get that hyperbolic

322

00:13:59,990 --> 00:13:57,199

pattern while you don't have to have

323

00:14:02,710 --> 00:14:00,000

that coherence whatsoever some kind of

324

00:14:05,829 --> 00:14:02,720

those poison it doesn't have to be there

325

00:14:07,910 --> 00:14:05,839

a hyperbolic pattern to reach this shape

326
00:14:08,710 --> 00:14:07,920
it can be something else

327
00:14:10,310 --> 00:14:08,720
so

328
00:14:12,470 --> 00:14:10,320
but with that

329
00:14:15,430 --> 00:14:12,480
understand so you can have different

330
00:14:17,910 --> 00:14:15,440
stresses like the photic chemical and

331
00:14:21,910 --> 00:14:17,920
different stresses about the what about

332
00:14:25,269 --> 00:14:21,920
if this change of this the photon

333
00:14:28,150 --> 00:14:25,279
generation could be measured as a

334
00:14:29,750 --> 00:14:28,160
variation of a biophoton actually what

335
00:14:31,269 --> 00:14:29,760
if that

336
00:14:34,389 --> 00:14:31,279
comes from

337
00:14:37,189 --> 00:14:34,399
our neuronal modulation

338
00:14:40,870 --> 00:14:37,199

what if our consciousness can change

339

00:14:42,710 --> 00:14:40,880

that so if that's the case and then if

340

00:14:45,430 --> 00:14:42,720

we know what's going on there and then

341

00:14:47,189 --> 00:14:45,440

there is a pathway then we can correlate

342

00:14:49,430 --> 00:14:47,199

with the measurement

343

00:14:52,790 --> 00:14:49,440

so but in order to do that we have to

344

00:14:55,189 --> 00:14:52,800

have some currency as jane and the door

345

00:14:56,870 --> 00:14:55,199

and in there that's the subjectivity of

346

00:14:58,870 --> 00:14:56,880

the science they mentioned you just have

347

00:15:01,509 --> 00:14:58,880

to mint your own coins

348

00:15:04,310 --> 00:15:01,519

so i try to do something like that by

349

00:15:06,790 --> 00:15:04,320

doing this so here so i came up with

350

00:15:09,269 --> 00:15:06,800

something so first so this basically

351

00:15:11,829 --> 00:15:09,279

tells you that when we are at the birth

352

00:15:14,230 --> 00:15:11,839

or our neurons are fully intact we have

353

00:15:16,550 --> 00:15:14,240

a hundred percent intact neurons when

354

00:15:19,430 --> 00:15:16,560

i'm dead my neurons are done zero

355

00:15:21,110 --> 00:15:19,440

percent so this is the objective from

356

00:15:23,750 --> 00:15:21,120

zero to one

357

00:15:27,110 --> 00:15:23,760

and also let's assume all my 10 billion

358

00:15:29,430 --> 00:15:27,120

neurons they all do things in completely

359

00:15:31,269 --> 00:15:29,440

synchronicity basically they're all

360

00:15:33,990 --> 00:15:31,279

coherent and then i'm going to reach the

361

00:15:36,629 --> 00:15:34,000

maximum coherence but if my brain my

362

00:15:38,870 --> 00:15:36,639

neurons are completely out of phase they

363

00:15:41,350 --> 00:15:38,880

are just completely random then i'm

364

00:15:42,949 --> 00:15:41,360

going to be at this zero state so i call

365

00:15:46,310 --> 00:15:42,959

this a degree of a neuronal

366

00:15:48,550 --> 00:15:46,320

synchronization of neuronal coherence

367

00:15:50,949 --> 00:15:48,560

here is another one and then those are

368

00:15:53,670 --> 00:15:50,959

objective measure and then i also

369

00:15:56,230 --> 00:15:53,680

somehow basically all the neuron firing

370

00:15:58,550 --> 00:15:56,240

spectrum can be put together as some

371

00:16:02,069 --> 00:15:58,560

kind of energy density so you put them

372

00:16:04,790 --> 00:16:02,079

all together it's an objective energy

373

00:16:07,030 --> 00:16:04,800

density term i came up with a so-called

374

00:16:10,150 --> 00:16:07,040

i call it the vivo energy which is

375

00:16:11,030 --> 00:16:10,160

actually energy density joule per

376

00:16:13,189 --> 00:16:11,040

uh

377

00:16:16,150 --> 00:16:13,199

cubic centimeter stuff

378

00:16:19,110 --> 00:16:16,160

but the reason i'm putting this is that

379

00:16:22,470 --> 00:16:19,120

if this one is related to our neuronal

380

00:16:25,350 --> 00:16:22,480

activity and then when at the birth it's

381

00:16:28,389 --> 00:16:25,360

essentially it's a measure of how orders

382

00:16:30,870 --> 00:16:28,399

our neuronal activity is so

383

00:16:33,110 --> 00:16:30,880

when i was just born i should have been

384

00:16:34,629 --> 00:16:33,120

in that optimum condition

385

00:16:36,550 --> 00:16:34,639

but as

386

00:16:39,269 --> 00:16:36,560

people grow there it's going to be

387

00:16:43,509 --> 00:16:39,279

modulated by this physiology which is a

388

00:16:45,590 --> 00:16:43,519

systematic change and then if i got i my

389

00:16:48,470 --> 00:16:45,600

leg doesn't work well which means i have

390

00:16:50,949 --> 00:16:48,480

some pathological factors moving in and

391

00:16:53,350 --> 00:16:50,959

then but if in the programming

392

00:16:55,590 --> 00:16:53,360

parenthesis cases which means your

393

00:16:57,509 --> 00:16:55,600

neuron will be able to control certain

394

00:17:00,629 --> 00:16:57,519

part of the body but not the other part

395

00:17:03,269 --> 00:17:00,639

of the body so basically over here this

396

00:17:05,429 --> 00:17:03,279

is the the brush state that is a

397

00:17:08,870 --> 00:17:05,439

physiology systematic that is a

398

00:17:11,829 --> 00:17:08,880

pathology and this is a neuronal control

399

00:17:14,630 --> 00:17:11,839

so i'm putting them all together but

400

00:17:17,189 --> 00:17:14,640

there was i came up with a very nice

401
00:17:19,990 --> 00:17:17,199
article to tell this basically this is

402
00:17:22,949 --> 00:17:20,000
essentially a life expectancy

403
00:17:26,150 --> 00:17:22,959
so maybe this is a good way to describe

404
00:17:28,710 --> 00:17:26,160
how our this combined that is i call

405
00:17:31,590 --> 00:17:28,720
that the vivo energy energy density

406
00:17:35,190 --> 00:17:31,600
changes over this lifetime at the burst

407
00:17:37,990 --> 00:17:35,200
is this much but as we grow we're just

408
00:17:41,110 --> 00:17:38,000
going to get lower and lower when we get

409
00:17:45,029 --> 00:17:41,120
to this zero that means we're done

410
00:17:46,789 --> 00:17:45,039
but this change can be modulated by

411
00:17:50,789 --> 00:17:46,799
systematic

412
00:17:54,310 --> 00:17:50,799
physiology just a normal metabolism

413
00:17:57,270 --> 00:17:54,320

and but so it will basically oscillate

414

00:18:00,390 --> 00:17:57,280

like that with respect to this change

415

00:18:02,390 --> 00:18:00,400

but if there is a pathological condition

416

00:18:05,669 --> 00:18:02,400

then it's going to further there's the

417

00:18:08,310 --> 00:18:05,679

lower this one and this one gets zero

418

00:18:11,270 --> 00:18:08,320

earlier which means the people die early

419

00:18:13,110 --> 00:18:11,280

so it's just kind of a quantitative way

420

00:18:14,390 --> 00:18:13,120

try to give me a hand

421

00:18:15,350 --> 00:18:14,400

for sure

422

00:18:18,710 --> 00:18:15,360

but

423

00:18:22,390 --> 00:18:18,720

i consider that the chance to cause

424

00:18:25,110 --> 00:18:22,400

metabolic changes so here is basically a

425

00:18:27,669 --> 00:18:25,120

physiological change of that the energy

426

00:18:30,070 --> 00:18:27,679

state it's a pathological change of

427

00:18:33,909 --> 00:18:30,080

energy state and then i introduced the

428

00:18:36,230 --> 00:18:33,919

so-called physiological transfer

429

00:18:38,710 --> 00:18:36,240

factor pathological transfer fact the

430

00:18:42,230 --> 00:18:38,720

reason is to make this a conversion such

431

00:18:43,110 --> 00:18:42,240

that i have a light intensity to work

432

00:18:46,230 --> 00:18:43,120

with

433

00:18:48,870 --> 00:18:46,240

so here i have a systematic light i have

434

00:18:51,270 --> 00:18:48,880

a pathological light and a systematic

435

00:18:54,549 --> 00:18:51,280

light is a felicity so i consider that

436

00:18:56,549 --> 00:18:54,559

as just to make it simple i cannot work

437

00:18:59,669 --> 00:18:56,559

on something like that just starting

438

00:19:01,750 --> 00:18:59,679

with the simple cases a simple the bio

439

00:19:04,070 --> 00:19:01,760

photon light source in the middle of my

440

00:19:06,150 --> 00:19:04,080

body and if you're pathological it could

441

00:19:08,789 --> 00:19:06,160

be anywhere in the body

442

00:19:12,150 --> 00:19:08,799

so but by doing this then have to do

443

00:19:15,029 --> 00:19:12,160

something with the standard the the

444

00:19:16,870 --> 00:19:15,039

engineering terms and with boundary

445

00:19:18,789 --> 00:19:16,880

conditions highlight the problem is

446

00:19:21,350 --> 00:19:18,799

intuition but with all the things are

447

00:19:22,630 --> 00:19:21,360

taken care of actually i was able to

448

00:19:25,190 --> 00:19:22,640

calculate

449

00:19:27,669 --> 00:19:25,200

uh there is a very small

450

00:19:29,750 --> 00:19:27,679

in this case it is a normal

451
00:19:32,150 --> 00:19:29,760
normal human

452
00:19:35,830 --> 00:19:32,160
model which means it is a pathology this

453
00:19:39,350 --> 00:19:35,840
term is zero so a heresy source over

454
00:19:41,669 --> 00:19:39,360
here to emit the voltage and then so i'm

455
00:19:45,590 --> 00:19:41,679
going so this one is associated with

456
00:19:48,390 --> 00:19:45,600
only 0.01 micro watts of source right in

457
00:19:51,029 --> 00:19:48,400
the middle about this big

458
00:19:53,029 --> 00:19:51,039
bigger than my brain and then the light

459
00:19:55,830 --> 00:19:53,039
intensity that you can measure at the

460
00:19:57,990 --> 00:19:55,840
surface is actually 10 to the negative

461
00:19:59,830 --> 00:19:58,000
of 14 watts per centimeter square as

462
00:20:02,630 --> 00:19:59,840
actually it's consistent with the bio

463
00:20:04,710 --> 00:20:02,640

photon measured from human surface

464

00:20:07,830 --> 00:20:04,720

so try to get to there

465

00:20:11,669 --> 00:20:07,840

but then so when this

466

00:20:14,470 --> 00:20:11,679

i'm not inferring that this is over but

467

00:20:17,750 --> 00:20:14,480

i'm just saying that something like this

468

00:20:18,710 --> 00:20:17,760

can be interpolated as some aura like a

469

00:20:23,430 --> 00:20:18,720

hills

470

00:20:26,230 --> 00:20:23,440

that will cover the human being so so i

471

00:20:29,190 --> 00:20:26,240

don't know what aura is but if this is

472

00:20:31,149 --> 00:20:29,200

one presentation of a bio energy and

473

00:20:33,510 --> 00:20:31,159

then there is a way to try to

474

00:20:36,310 --> 00:20:33,520

quantitatively model it

475

00:20:39,029 --> 00:20:36,320

and then let's assume this is a healthy

476

00:20:42,390 --> 00:20:39,039

person under just the normal

477

00:20:44,470 --> 00:20:42,400

physiological therapy physiology and

478

00:20:48,149 --> 00:20:44,480

then in uh

479

00:20:50,789 --> 00:20:48,159

by the environmental change will cause

480

00:20:53,110 --> 00:20:50,799

uh we are just through our auto

481

00:20:55,750 --> 00:20:53,120

autonomic neuronal control uh

482

00:20:58,470 --> 00:20:55,760

sympathetic control whatsoever it's

483

00:21:00,789 --> 00:20:58,480

going to change this metabolism so this

484

00:21:03,110 --> 00:21:00,799

metabolism let's assume that it is a

485

00:21:04,070 --> 00:21:03,120

source just oscillates a little bit over

486

00:21:05,430 --> 00:21:04,080

a day

487

00:21:08,630 --> 00:21:05,440

and then

488

00:21:11,029 --> 00:21:08,640

so if this oscillates this surface

489

00:21:13,190 --> 00:21:11,039

measurable it's going to oscillate so

490

00:21:16,310 --> 00:21:13,200

it's going to get something so i was

491

00:21:18,789 --> 00:21:16,320

able to just by also changing this

492

00:21:21,669 --> 00:21:18,799

source a little bit i just can get this

493

00:21:24,230 --> 00:21:21,679

apparently if you add more variations

494

00:21:26,149 --> 00:21:24,240

you're going to get something like that

495

00:21:28,070 --> 00:21:26,159

so mimic that one

496

00:21:29,029 --> 00:21:28,080

but on the other hand

497

00:21:32,630 --> 00:21:29,039

so

498

00:21:36,310 --> 00:21:32,640

what if you have a much longer change

499

00:21:40,149 --> 00:21:36,320

for example over 70 years of change and

500

00:21:42,310 --> 00:21:40,159

you can see in my model i consider the

501
00:21:44,470 --> 00:21:42,320
change of this

502
00:21:46,630 --> 00:21:44,480
my vivo energy term

503
00:21:49,909 --> 00:21:46,640
the change cause

504
00:21:51,990 --> 00:21:49,919
the transfer to the this one which means

505
00:21:53,909 --> 00:21:52,000
the higher of this value doesn't mean

506
00:21:55,669 --> 00:21:53,919
stronger of the source it's the bigger

507
00:21:58,470 --> 00:21:55,679
of the change because the stronger of

508
00:22:01,190 --> 00:21:58,480
the emission so throughout this is a

509
00:22:04,070 --> 00:22:01,200
slow the slope goes deeper which means

510
00:22:07,029 --> 00:22:04,080
you're going to see a stronger change

511
00:22:10,310 --> 00:22:07,039
so by using that ingredient and then

512
00:22:14,549 --> 00:22:10,320
over this there are these years i was

513
00:22:16,549 --> 00:22:14,559

able to just mimic these chains and then

514

00:22:18,630 --> 00:22:16,559

there are women's they are more they

515

00:22:21,190 --> 00:22:18,640

have more fat so even though you have

516

00:22:23,830 --> 00:22:21,200

the same life you get less

517

00:22:26,070 --> 00:22:23,840

at the surface or they may be

518

00:22:29,029 --> 00:22:26,080

lighter so they have a less total volume

519

00:22:33,830 --> 00:22:29,039

just by tweaking of those and they can

520

00:22:36,149 --> 00:22:33,840

can i can mimic this one but so uh

521

00:22:39,110 --> 00:22:36,159

so but i didn't i didn't i didn't

522

00:22:41,110 --> 00:22:39,120

include that part certainly for a model

523

00:22:43,270 --> 00:22:41,120

in itself or should they be able to make

524

00:22:45,190 --> 00:22:43,280

it something like that

525

00:22:47,909 --> 00:22:45,200

so but the one thing that i would like

526

00:22:50,310 --> 00:22:47,919

to specially indicate is that because

527

00:22:53,029 --> 00:22:50,320

i'm using a gradient that means using a

528

00:22:55,190 --> 00:22:53,039

change to convert that to bio folder

529

00:22:56,390 --> 00:22:55,200

which means let's assume at the very end

530

00:22:59,029 --> 00:22:56,400

of the life

531

00:23:00,549 --> 00:22:59,039

even though the this amplitude is very

532

00:23:03,750 --> 00:23:00,559

small but you're talking about the

533

00:23:06,470 --> 00:23:03,760

sudden stop of that little whatever

534

00:23:07,430 --> 00:23:06,480

energy state you want to cause it that's

535

00:23:09,830 --> 00:23:07,440

going to

536

00:23:12,070 --> 00:23:09,840

cause a very big change

537

00:23:15,830 --> 00:23:12,080

and this very big change could in

538

00:23:19,510 --> 00:23:15,840

principle give you a very strong sudden

539

00:23:22,470 --> 00:23:19,520

burst of biophoton which means it

540

00:23:24,789 --> 00:23:22,480

potentially can explain

541

00:23:28,549 --> 00:23:24,799

some anecdotal

542

00:23:31,350 --> 00:23:28,559

the burst of flare of flesh observed by

543

00:23:33,230 --> 00:23:31,360

the end of the life

544

00:23:35,750 --> 00:23:33,240

so i'm just trying to through this

545

00:23:38,149 --> 00:23:35,760

responsibility and

546

00:23:41,029 --> 00:23:38,159

just so to for people to think about

547

00:23:43,190 --> 00:23:41,039

whether this is possible or not

548

00:23:46,390 --> 00:23:43,200

on the other hand here is another one

549

00:23:49,510 --> 00:23:46,400

there was a study by mice model of for

550

00:23:51,990 --> 00:23:49,520

under human breast cancer and they they

551
00:23:54,070 --> 00:23:52,000
showed us that so here is the mice and

552
00:23:56,950 --> 00:23:54,080
the tumor at the right side and as the

553
00:23:59,590 --> 00:23:56,960
tumor grows and then biofuels emission

554
00:24:02,390 --> 00:23:59,600
increases which is original because the

555
00:24:05,669 --> 00:24:02,400
tumor load is higher than oxygen

556
00:24:08,470 --> 00:24:05,679
the oxidative stress is stronger so

557
00:24:10,149 --> 00:24:08,480
increases and then but the normal side

558
00:24:11,430 --> 00:24:10,159
contralaterals have ought to increase a

559
00:24:15,750 --> 00:24:11,440
little bit

560
00:24:18,630 --> 00:24:15,760
so by this one i basically i had uh here

561
00:24:21,510 --> 00:24:18,640
see their their their systematic source

562
00:24:24,230 --> 00:24:21,520
over here but i also put a pathological

563
00:24:25,830 --> 00:24:24,240

source right over here and then i try to

564

00:24:29,029 --> 00:24:25,840

increase

565

00:24:31,990 --> 00:24:29,039

this the source intensity according to

566

00:24:32,950 --> 00:24:32,000

exponential growth of the tumor so by

567

00:24:35,830 --> 00:24:32,960

doing

568

00:24:38,149 --> 00:24:35,840

that away and then actually so basically

569

00:24:41,190 --> 00:24:38,159

this one remains unchanged by this

570

00:24:43,750 --> 00:24:41,200

pathological source it increases in

571

00:24:46,310 --> 00:24:43,760

strength by that way the overall

572

00:24:49,510 --> 00:24:46,320

biophoton that you can observe on the

573

00:24:51,990 --> 00:24:49,520

surface increase at the right side and

574

00:24:54,390 --> 00:24:52,000

then at this counter lateral side it

575

00:24:57,029 --> 00:24:54,400

also can be increased a little bit so

576

00:24:59,430 --> 00:24:57,039

this pattern actually agrees with

577

00:25:01,990 --> 00:24:59,440

with that one so these are the ways that

578

00:25:03,110 --> 00:25:02,000

i can use and try to

579

00:25:05,750 --> 00:25:03,120

model

580

00:25:06,950 --> 00:25:05,760

the chains and again those there are

581

00:25:09,990 --> 00:25:06,960

source

582

00:25:12,149 --> 00:25:10,000

bio photons that they can be linked to

583

00:25:13,510 --> 00:25:12,159

that they need to be linked to the mind

584

00:25:15,190 --> 00:25:13,520

consciousness

585

00:25:17,110 --> 00:25:15,200

there is another one that is very

586

00:25:20,549 --> 00:25:17,120

interesting that is potentially

587

00:25:23,750 --> 00:25:20,559

interesting which is in 2016 there was a

588

00:25:27,029 --> 00:25:23,760

very there was a study published in pnas

589

00:25:29,269 --> 00:25:27,039

that is very controversial which they

590

00:25:31,909 --> 00:25:29,279

mentioned human high intelligence is

591

00:25:34,070 --> 00:25:31,919

involved in spectral rather shift of

592

00:25:37,190 --> 00:25:34,080

biophoton activities

593

00:25:39,830 --> 00:25:37,200

why which means that the different

594

00:25:42,149 --> 00:25:39,840

levels of consciousness or intelligence

595

00:25:43,430 --> 00:25:42,159

might change the spectral contents of

596

00:25:46,549 --> 00:25:43,440

biofilter

597

00:25:48,390 --> 00:25:46,559

and how that measurement was done with

598

00:25:50,390 --> 00:25:48,400

the specimens but

599

00:25:53,750 --> 00:25:50,400

something like this probably have never

600

00:25:55,990 --> 00:25:53,760

been observed in the live subject but

601
00:25:58,870 --> 00:25:56,000
would it be possible if this is a

602
00:26:02,710 --> 00:25:58,880
possible how we could explain that

603
00:26:05,350 --> 00:26:02,720
while i would say that so this biophoton

604
00:26:07,590 --> 00:26:05,360
whether it's its organism and then

605
00:26:10,549 --> 00:26:07,600
you're going to have a different kinds

606
00:26:13,110 --> 00:26:10,559
of transitions to cause a different

607
00:26:16,470 --> 00:26:13,120
this spectral bands

608
00:26:18,710 --> 00:26:16,480
and so a change in the in relative

609
00:26:19,909 --> 00:26:18,720
intensity of the spectral bands will

610
00:26:25,590 --> 00:26:19,919
change

611
00:26:27,590 --> 00:26:25,600
will cause a rather shift of blue shift

612
00:26:30,470 --> 00:26:27,600
but in my

613
00:26:33,110 --> 00:26:30,480

model i have this eventually when this

614

00:26:35,190 --> 00:26:33,120

one converts to lighter source over here

615

00:26:37,750 --> 00:26:35,200

i have this charge for factor actually

616

00:26:40,470 --> 00:26:37,760

they can be wavelength dependent by

617

00:26:43,350 --> 00:26:40,480

doing that by manipulating with this one

618

00:26:44,549 --> 00:26:43,360

actually it's possible to model the

619

00:26:45,350 --> 00:26:44,559

difference

620

00:26:46,149 --> 00:26:45,360

of

621

00:26:47,029 --> 00:26:46,159

the

622

00:26:50,070 --> 00:26:47,039

uh

623

00:26:53,029 --> 00:26:50,080

spectrum individual spectra and the

624

00:26:55,350 --> 00:26:53,039

spectral contents that could somehow

625

00:26:58,149 --> 00:26:55,360

correlate with different states

626
00:27:01,430 --> 00:26:58,159
different levels of intelligence

627
00:27:03,590 --> 00:27:01,440
and so and then that will can in

628
00:27:06,470 --> 00:27:03,600
principle can lead to

629
00:27:10,789 --> 00:27:06,480
modeling the spectral shift

630
00:27:13,590 --> 00:27:10,799
so overall so what could this

631
00:27:15,830 --> 00:27:13,600
approach possibly lead to i would say i

632
00:27:18,789 --> 00:27:15,840
would like to provide a path of

633
00:27:20,470 --> 00:27:18,799
quantitative means for correlating

634
00:27:23,430 --> 00:27:20,480
observations

635
00:27:24,710 --> 00:27:23,440
so let's assume biophoton activities

636
00:27:27,430 --> 00:27:24,720
it can

637
00:27:30,549 --> 00:27:27,440
because of this oxidative

638
00:27:32,310 --> 00:27:30,559

stress it can be correlated with our

639

00:27:36,269 --> 00:27:32,320

neural activities

640

00:27:38,950 --> 00:27:36,279

cause

641

00:27:41,350 --> 00:27:38,960

neurophysiological patterns that are eeg

642

00:27:43,909 --> 00:27:41,360

patterns or some other patterns it

643

00:27:45,830 --> 00:27:43,919

should be observable so they therefore

644

00:27:49,269 --> 00:27:45,840

they all come from this there should

645

00:27:51,510 --> 00:27:49,279

have a pass through neuroscience models

646

00:27:54,789 --> 00:27:51,520

and try to make a connection between

647

00:27:57,510 --> 00:27:54,799

these but if that's the cases and then

648

00:27:59,750 --> 00:27:57,520

alter the state of consciousness should

649

00:28:01,590 --> 00:27:59,760

also be

650

00:28:04,870 --> 00:28:01,600

kind of open

651
00:28:05,990 --> 00:28:04,880
open to modeling which will be very very

652
00:28:07,510 --> 00:28:06,000
difficult

653
00:28:10,789 --> 00:28:07,520
however

654
00:28:14,230 --> 00:28:10,799
will there be a way to connect some

655
00:28:15,269 --> 00:28:14,240
kind of basically the strength of

656
00:28:18,310 --> 00:28:15,279
their

657
00:28:20,789 --> 00:28:18,320
alter the state of consciousness how far

658
00:28:23,830 --> 00:28:20,799
away from the normal state of

659
00:28:26,789 --> 00:28:23,840
consciousness along this way and the how

660
00:28:28,870 --> 00:28:26,799
strong the observations that we can we

661
00:28:32,389 --> 00:28:28,880
can measure either biophoton or

662
00:28:34,950 --> 00:28:32,399
neurophysical patterns that is abnormal

663
00:28:37,110 --> 00:28:34,960

and there so can we make a call relation

664

00:28:39,269 --> 00:28:37,120

between them and then then we will have

665

00:28:43,029 --> 00:28:39,279

more tools more information more

666

00:28:45,909 --> 00:28:43,039

parameters to understand their their

667

00:28:47,750 --> 00:28:45,919

phenomenons that are difficult to do and

668

00:28:50,710 --> 00:28:47,760

for doing that i actually have another

669

00:28:53,750 --> 00:28:50,720

paper coming out in september in physics

670

00:28:56,710 --> 00:28:53,760

essays i'm trying to use some additional

671

00:28:59,590 --> 00:28:56,720

ways of neural and basically something

672

00:29:02,389 --> 00:28:59,600

related to modeling neuronal activity

673

00:29:05,190 --> 00:29:02,399

not yet there but how try to work with

674

00:29:07,750 --> 00:29:05,200

some quantum mechanics not bothering too

675

00:29:09,750 --> 00:29:07,760

much of quantum mechanics and then try

676
00:29:10,789 --> 00:29:09,760
how to get there

677
00:29:12,710 --> 00:29:10,799
and

678
00:29:16,149 --> 00:29:12,720
to summarize

679
00:29:19,190 --> 00:29:16,159
and uh i basically i would project there

680
00:29:21,029 --> 00:29:19,200
are some patterns of human biofuels

681
00:29:22,789 --> 00:29:21,039
emissions of humans they could be

682
00:29:25,990 --> 00:29:22,799
spatial they could be temporal they

683
00:29:29,029 --> 00:29:26,000
could be spectral i consider that there

684
00:29:31,029 --> 00:29:29,039
might be a path to connect those

685
00:29:34,230 --> 00:29:31,039
patterns with our

686
00:29:37,269 --> 00:29:34,240
neuronal activity uh

687
00:29:38,230 --> 00:29:37,279
in the in the fundamental side and then

688
00:29:41,350 --> 00:29:38,240

those

689

00:29:43,510 --> 00:29:41,360

particularly the biophoton emission and

690

00:29:45,269 --> 00:29:43,520

of humans and other states of

691

00:29:46,870 --> 00:29:45,279

consciousness even though we have very

692

00:29:50,310 --> 00:29:46,880

limited data

693

00:29:52,870 --> 00:29:50,320

and in order to reconcile those patterns

694

00:29:55,590 --> 00:29:52,880

and my need to have

695

00:29:57,510 --> 00:29:55,600

a way to regular use the

696

00:30:00,870 --> 00:29:57,520

some way to

697

00:30:03,990 --> 00:30:00,880

let the neuronal modulation to regulate

698

00:30:05,269 --> 00:30:04,000

the photogenic process of a biophoton

699

00:30:08,230 --> 00:30:05,279

emission so

700

00:30:10,789 --> 00:30:08,240

make that a pass in order to connect

701
00:30:13,909 --> 00:30:10,799
between what we can measure

702
00:30:16,710 --> 00:30:13,919
from the object object like a biophotons

703
00:30:19,510 --> 00:30:16,720
and then what we can actually correlate

704
00:30:22,149 --> 00:30:19,520
with the neuronal activity like

705
00:30:24,149 --> 00:30:22,159
eeg patterns and i would like to point

706
00:30:28,230 --> 00:30:24,159
specifically to a study published in

707
00:30:31,190 --> 00:30:28,240
jscc in 2017 that the micro pk study in

708
00:30:33,070 --> 00:30:31,200
brazil and they mentioned that during

709
00:30:36,950 --> 00:30:33,080
the occurrence of a pk there are

710
00:30:40,149 --> 00:30:36,960
substantial change intense burst or for

711
00:30:42,389 --> 00:30:40,159
eeg patterns like that over here so

712
00:30:46,710 --> 00:30:42,399
something like this if you want to know

713
00:30:49,750 --> 00:30:46,720

more i think the path is to try to have

714

00:30:52,149 --> 00:30:49,760

implemented ways try to connect and have

715

00:30:55,350 --> 00:30:52,159

a neuroscience model to eventually

716

00:30:57,909 --> 00:30:55,360

bridge between eeg or neurophysiology

717

00:31:01,389 --> 00:30:57,919

patterns with the patterns that

718

00:31:02,950 --> 00:31:01,399

fall within the ssc and then

719

00:31:06,549 --> 00:31:02,960

parapsychology

720

00:31:09,750 --> 00:31:06,559

this domain so we can make a definitive

721

00:31:12,149 --> 00:31:09,760

correlation either from the intensity of

722

00:31:14,789 --> 00:31:12,159

the map that we can measure or from

723

00:31:17,190 --> 00:31:14,799

energy perspective or from maybe entropy

724

00:31:19,830 --> 00:31:17,200

perspective we ought to make that

725

00:31:22,630 --> 00:31:19,840

connection in order to

726
00:31:23,990 --> 00:31:22,640
deepen our understanding of

727
00:31:25,080 --> 00:31:24,000
those

728
00:31:26,230 --> 00:31:25,090
patterns that

729
00:31:28,549 --> 00:31:26,240
[Music]

730
00:31:29,830 --> 00:31:28,559
definitely will relate to consciousness

731
00:31:30,710 --> 00:31:29,840
about

732
00:31:33,430 --> 00:31:30,720
what

733
00:31:34,710 --> 00:31:33,440
is their true relationship