

## S.A.G.A.N. mentoring program

- Types of mentoring possibilities
  - Individual mentoring
    - Informal/formal
  - Classroom mentoring
  - Group
- Celio Discovery room, Tempe



1  
00:00:11,350 --> 00:00:09,430  
hello everyone i'm julia di marinas and

2  
00:00:13,350 --> 00:00:11,360  
this is grasshopper

3  
00:00:15,589 --> 00:00:13,360  
and it's good to see some familiar faces

4  
00:00:17,189 --> 00:00:15,599  
and great to see some new faces so if

5  
00:00:20,150 --> 00:00:17,199  
you're new you might not have heard of

6  
00:00:22,310 --> 00:00:20,160  
saganet and sagan stands for social

7  
00:00:24,550 --> 00:00:22,320  
action for a grassroots astrobiology

8  
00:00:25,830 --> 00:00:24,560  
network how's that for an acronym right

9  
00:00:28,230 --> 00:00:25,840  
yeah

10  
00:00:31,269 --> 00:00:28,240  
so basically sagan is an online

11  
00:00:33,190 --> 00:00:31,279  
community to support our astrobiology

12  
00:00:35,110 --> 00:00:33,200  
community whether you're a grad student

13  
00:00:37,510 --> 00:00:35,120

an undergrad or looking to get into

14

00:00:39,590 --> 00:00:37,520

astrobiology or an enthusiast

15

00:00:41,110 --> 00:00:39,600

so whatever your trade is

16

00:00:43,030 --> 00:00:41,120

we have a home for you here that you can

17

00:00:45,910 --> 00:00:43,040

interact and it's just a great resource

18

00:00:48,229 --> 00:00:45,920

to have a nice collective of

19

00:00:50,150 --> 00:00:48,239

astrobiology resources

20

00:00:52,310 --> 00:00:50,160

and we're representing the whole sagan

21

00:00:55,990 --> 00:00:52,320

team which is a group of six of us and

22

00:00:58,470 --> 00:00:56,000

their names are here zach

23

00:01:00,310 --> 00:00:58,480

and sanjoy and sarah

24

00:01:03,189 --> 00:01:00,320

oh i forgot batool

25

00:01:06,310 --> 00:01:03,199

i'm a jerk i forgot someone's name sorry

26

00:01:09,190 --> 00:01:06,320

batul if you're watching

27

00:01:11,670 --> 00:01:09,200

great way to start um

28

00:01:14,469 --> 00:01:11,680

and so yeah we're representing that team

29

00:01:16,070 --> 00:01:14,479

and here is a picture of all of us

30

00:01:17,109 --> 00:01:16,080

yay

31

00:01:19,429 --> 00:01:17,119

and

32

00:01:21,190 --> 00:01:19,439

okay the slide's a little off

33

00:01:23,429 --> 00:01:21,200

so basically we started

34

00:01:24,950 --> 00:01:23,439

about two years ago we were at one of

35

00:01:28,149 --> 00:01:24,960

these conferences

36

00:01:29,910 --> 00:01:28,159

in montana and we all got together

37

00:01:31,590 --> 00:01:29,920

through this parent organization called

38

00:01:33,749 --> 00:01:31,600

blue marble space which you'll probably

39

00:01:35,030 --> 00:01:33,759

hear throughout

40

00:01:37,510 --> 00:01:35,040

the conference

41

00:01:40,230 --> 00:01:37,520

if not feel free to ask us questions

42

00:01:41,990 --> 00:01:40,240

it's basically the tagline is promoting

43

00:01:44,390 --> 00:01:42,000

international unity through space

44

00:01:46,870 --> 00:01:44,400

exploration and space activities

45

00:01:48,149 --> 00:01:46,880

so basically they had a kind of a

46

00:01:49,830 --> 00:01:48,159

meeting where they said anyone that's

47

00:01:52,389 --> 00:01:49,840

interested in doing

48

00:01:54,149 --> 00:01:52,399

anything any projects getting together

49

00:01:57,990 --> 00:01:54,159

let's have a meeting and a group of us

50

00:02:02,870 --> 00:01:58,000

emerged with this idea for sagan

51  
00:02:08,229 --> 00:02:05,990  
so basically what is saganet so facebook

52  
00:02:09,589 --> 00:02:08,239  
is great for community but if you're a

53  
00:02:11,110 --> 00:02:09,599  
scientist it's not really great for

54  
00:02:13,910 --> 00:02:11,120  
collaboration

55  
00:02:16,150 --> 00:02:13,920  
skype and google docs are also good for

56  
00:02:18,070 --> 00:02:16,160  
collaboration but there's not a really

57  
00:02:21,430 --> 00:02:18,080  
good community aspect

58  
00:02:24,949 --> 00:02:21,440  
so sagan bridges the gaps between

59  
00:02:26,550 --> 00:02:24,959  
facebook and google docs and skype

60  
00:02:27,990 --> 00:02:26,560  
and we like to call it a social network

61  
00:02:30,229 --> 00:02:28,000  
with a purpose

62  
00:02:32,229 --> 00:02:30,239  
and it creates a centralized hub for all

63  
00:02:33,670 --> 00:02:32,239

of us astrobiologists and

64

00:02:35,030 --> 00:02:33,680

space exploration activities we're going

65

00:02:37,750 --> 00:02:35,040

to go into some features a little bit

66

00:02:43,110 --> 00:02:37,760

later and it's grounded on a non-profit

67

00:02:46,229 --> 00:02:44,790

so we have a bunch of groups the cool

68

00:02:48,070 --> 00:02:46,239

thing about this you can start your own

69

00:02:50,949 --> 00:02:48,080

interest group whether it's

70

00:02:53,830 --> 00:02:50,959

geology or outreach or whatever your

71

00:02:55,589 --> 00:02:53,840

heart desires you can start a group

72

00:02:57,270 --> 00:02:55,599

some of our more notable ones we have a

73

00:02:59,589 --> 00:02:57,280

book club that meets every two weeks

74

00:03:01,830 --> 00:02:59,599

which is kind of cool we can read books

75

00:03:03,670 --> 00:03:01,840

with people across the world and talk

76

00:03:07,030 --> 00:03:03,680

about them

77

00:03:09,190 --> 00:03:07,040

we have multiple video chat so

78

00:03:11,830 --> 00:03:09,200

think of like google hangouts

79

00:03:14,149 --> 00:03:11,840

but we have it built into our own system

80

00:03:16,470 --> 00:03:14,159

there's a whiteboard and document

81

00:03:19,830 --> 00:03:16,480

sharing we have some images later and

82

00:03:21,990 --> 00:03:19,840

group chats and discussion forums

83

00:03:24,229 --> 00:03:22,000

and one of our best features of sega net

84

00:03:26,790 --> 00:03:24,239

is we have a mentoring platform

85

00:03:28,710 --> 00:03:26,800

so this is like our chance to get into

86

00:03:30,470 --> 00:03:28,720

the public virtually

87

00:03:31,990 --> 00:03:30,480

and connect with

88

00:03:33,670 --> 00:03:32,000

like-minded individuals or people

89

00:03:34,949 --> 00:03:33,680

interested and we'll talk more about

90

00:03:37,750 --> 00:03:34,959

that

91

00:03:38,630 --> 00:03:37,760

so here is what our infrastructure looks

92

00:03:41,589 --> 00:03:38,640

like

93

00:03:43,190 --> 00:03:41,599

we have a group called sagan salon where

94

00:03:44,470 --> 00:03:43,200

we meet once a month and have a

95

00:03:46,789 --> 00:03:44,480

different

96

00:03:47,910 --> 00:03:46,799

young astrologist give a talk on their

97

00:03:50,229 --> 00:03:47,920

subject

98

00:03:52,470 --> 00:03:50,239

and then we have a chat

99

00:03:54,630 --> 00:03:52,480

um

100

00:03:56,070 --> 00:03:54,640

and it's a pretty lively discussion it's

101  
00:03:59,589 --> 00:03:56,080  
cool

102  
00:04:00,869 --> 00:03:59,599  
if i'm missing anything just jump in

103  
00:04:03,509 --> 00:04:00,879  
so here's an example of our

104  
00:04:05,270 --> 00:04:03,519  
collaboration tools um

105  
00:04:09,030 --> 00:04:05,280  
us in the video

106  
00:04:12,470 --> 00:04:09,040  
and us documenting our agenda so we as

107  
00:04:14,390 --> 00:04:12,480  
administrators meet here and

108  
00:04:16,390 --> 00:04:14,400  
type up our agenda

109  
00:04:17,509 --> 00:04:16,400  
so if you're doing let's say a research

110  
00:04:19,670 --> 00:04:17,519  
project

111  
00:04:21,270 --> 00:04:19,680  
with someone across the world or across

112  
00:04:22,150 --> 00:04:21,280  
a different time zone this is a good way

113  
00:04:25,189 --> 00:04:22,160

to

114

00:04:27,430 --> 00:04:25,199

keep it in-house and collaborate

115

00:04:30,550 --> 00:04:27,440

one of the coolest things about seganet

116

00:04:33,670 --> 00:04:30,560

is we have a theater and we have monthly

117

00:04:35,350 --> 00:04:33,680

movies we call it sagan mystery 500

118

00:04:36,469 --> 00:04:35,360

theater is that what it's called five

119

00:04:39,990 --> 00:04:36,479

thousand

120

00:04:43,510 --> 00:04:40,000

and um our friend zach runs it and puts

121

00:04:45,430 --> 00:04:43,520

all these crazy videos on

122

00:04:47,270 --> 00:04:45,440

the theater

123

00:04:51,430 --> 00:04:47,280

some of them have been like turkish star

124

00:04:53,350 --> 00:04:51,440

wars it's pretty bizarre and awesome

125

00:04:54,629 --> 00:04:53,360

and if that doesn't sound appealing wait

126  
00:04:57,189 --> 00:04:54,639  
till you see it

127  
00:04:58,870 --> 00:04:57,199  
it might change your mind

128  
00:05:00,070 --> 00:04:58,880  
so it's a live stream actually what

129  
00:05:02,790 --> 00:05:00,080  
we're doing right now is we're

130  
00:05:04,950 --> 00:05:02,800  
broadcasting on the theater as we speak

131  
00:05:09,029 --> 00:05:04,960  
so there's people hopefully watching and

132  
00:05:12,629 --> 00:05:09,039  
they're asking questions right now that

133  
00:05:14,550 --> 00:05:12,639  
sorry batool for forgetting your name

134  
00:05:16,950 --> 00:05:14,560  
and also in the theater uh monthly we

135  
00:05:19,350 --> 00:05:16,960  
have a new a new feature called talk to

136  
00:05:20,310 --> 00:05:19,360  
an astro biologist where we have a

137  
00:05:22,310 --> 00:05:20,320  
famous

138  
00:05:23,990 --> 00:05:22,320

noted astrobiologist come and talk about

139

00:05:25,749 --> 00:05:24,000

what they're interested in what their

140

00:05:27,029 --> 00:05:25,759

what they love about astrobiology what

141

00:05:30,230 --> 00:05:27,039

they want to see

142

00:05:31,990 --> 00:05:30,240

in future research for example

143

00:05:33,430 --> 00:05:32,000

and some of our past talked to an

144

00:05:34,790 --> 00:05:33,440

astrobiologist speakers have been like

145

00:05:37,430 --> 00:05:34,800

chris mckay

146

00:05:40,310 --> 00:05:37,440

paul davies cerro

147

00:05:43,350 --> 00:05:40,320

not sarah walker um

148

00:05:44,790 --> 00:05:43,360

dave demere and what was a woman um from

149

00:05:47,270 --> 00:05:44,800

canada

150

00:05:49,189 --> 00:05:47,280

catherine denning so every month we have

151  
00:05:50,710 --> 00:05:49,199  
a new guest speaker and we broadcast

152  
00:05:53,270 --> 00:05:50,720  
through here so it's really cool and we

153  
00:05:54,950 --> 00:05:53,280  
record them and we have them edited so

154  
00:05:57,990 --> 00:05:54,960  
you can if you can't join us you can

155  
00:06:01,590 --> 00:05:59,350  
so as i was mentioning we have a

156  
00:06:03,590 --> 00:06:01,600  
mentoring program and we were kind of

157  
00:06:04,830 --> 00:06:03,600  
still finding our feet on this we

158  
00:06:07,510 --> 00:06:04,840  
decided to start

159  
00:06:09,430 --> 00:06:07,520  
small we wanted to have a formal

160  
00:06:12,390 --> 00:06:09,440  
mentoring program

161  
00:06:14,629 --> 00:06:12,400  
which we're still developing

162  
00:06:16,790 --> 00:06:14,639  
but for now we have informal mentoring

163  
00:06:19,270 --> 00:06:16,800

where someone will say hey i'd like to

164

00:06:21,590 --> 00:06:19,280

have a mentor we have a list of videos

165

00:06:23,189 --> 00:06:21,600

and you can the mentee can select the

166

00:06:25,990 --> 00:06:23,199

mentor which is

167

00:06:29,749 --> 00:06:27,590

and we have

168

00:06:31,670 --> 00:06:29,759

what we have here is the celio discovery

169

00:06:33,670 --> 00:06:31,680

room which is our latest project it was

170

00:06:36,629 --> 00:06:33,680

an eight-week project with working with

171

00:06:39,270 --> 00:06:36,639

an elementary school in tempe arizona

172

00:06:42,309 --> 00:06:39,280

and we each were paired with a family

173

00:06:44,870 --> 00:06:42,319

and they were to present a um

174

00:06:46,629 --> 00:06:44,880

a project in a science fair basically at

175

00:06:48,629 --> 00:06:46,639

the end of this eight week program so

176

00:06:50,230 --> 00:06:48,639

we're all paired with a family and i

177

00:06:51,909 --> 00:06:50,240

actually was fortunate enough to meet my

178

00:06:53,430 --> 00:06:51,919

family

179

00:06:54,629 --> 00:06:53,440

when i was just in arizona for a

180

00:06:58,230 --> 00:06:54,639

workshop

181

00:07:00,710 --> 00:06:58,240

and it was a really cool experience and

182

00:07:02,309 --> 00:07:00,720

this is us we actually were skypeing and

183

00:07:03,909 --> 00:07:02,319

this is she wanted to do a project on

184

00:07:05,270 --> 00:07:03,919

dolphin so she was showing me her

185

00:07:06,950 --> 00:07:05,280

picture of a

186

00:07:09,749 --> 00:07:06,960

dolphin and

187

00:07:11,189 --> 00:07:09,759

that was her final project so

188

00:07:13,430 --> 00:07:11,199

even we can't be there luckily it was

189

00:07:16,150 --> 00:07:13,440

enough to

190

00:07:18,710 --> 00:07:16,160

meet her in person but we still had an

191

00:07:20,309 --> 00:07:18,720

impact on these kids lives and it seemed

192

00:07:21,749 --> 00:07:20,319

to go really well

193

00:07:23,270 --> 00:07:21,759

and we're still we're learning the

194

00:07:24,710 --> 00:07:23,280

challenges and

195

00:07:28,070 --> 00:07:24,720

um

196

00:07:28,790 --> 00:07:28,080

successes with this program

197

00:07:30,309 --> 00:07:28,800

so

198

00:07:32,309 --> 00:07:30,319

how many just by a show of hands how

199

00:07:34,230 --> 00:07:32,319

many of you do any public outreach like

200

00:07:35,350 --> 00:07:34,240

in your communities or in schools or

201  
00:07:37,430 --> 00:07:35,360  
what have you

202  
00:07:38,790 --> 00:07:37,440  
so what would be great is if you want to

203  
00:07:40,469 --> 00:07:38,800  
go on here or if you're interested in

204  
00:07:42,469 --> 00:07:40,479  
becoming a mentor if you go on the site

205  
00:07:43,990 --> 00:07:42,479  
you can create a video just a short

206  
00:07:45,909 --> 00:07:44,000  
thing about what you do what you're

207  
00:07:47,749 --> 00:07:45,919  
interested what make what what you're

208  
00:07:48,790 --> 00:07:47,759  
nerdy about essentially so that the

209  
00:07:51,029 --> 00:07:48,800  
students can

210  
00:07:52,710 --> 00:07:51,039  
get a feel of who you are and see if

211  
00:07:54,790 --> 00:07:52,720  
they'd like to have you as a mentor

212  
00:07:57,350 --> 00:07:54,800  
versus another mentor on the site but

213  
00:07:59,990 --> 00:07:57,360

you could also create a group on on

214

00:08:02,070 --> 00:08:00,000

sagan where you can

215

00:08:03,589 --> 00:08:02,080

kind of showcase the the work you're

216

00:08:05,270 --> 00:08:03,599

doing the education public outreach

217

00:08:06,790 --> 00:08:05,280

you're doing in your own communities and

218

00:08:08,309 --> 00:08:06,800

you can get more students and teachers

219

00:08:09,270 --> 00:08:08,319

involved you get the local teachers into

220

00:08:15,909 --> 00:08:09,280

it we'll get into that a little bit

221

00:08:21,510 --> 00:08:18,550

so as i was saying we're starting um

222

00:08:22,950 --> 00:08:21,520

we have individual mentoring as well as

223

00:08:25,510 --> 00:08:22,960

the student mentoring that we just

224

00:08:27,510 --> 00:08:25,520

mentioned um

225

00:08:30,150 --> 00:08:27,520

and we're having resources for this

226

00:08:33,269 --> 00:08:30,160

we're developing a handbook so if you're

227

00:08:35,029 --> 00:08:33,279

new to mentoring do not fear

228

00:08:37,509 --> 00:08:35,039

and here's an example of the video pages

229

00:08:40,550 --> 00:08:37,519

so everyone has

230

00:08:42,709 --> 00:08:40,560

a video and what they do and if you're a

231

00:08:45,110 --> 00:08:42,719

mentee if you're an undergrad or high

232

00:08:48,310 --> 00:08:45,120

school student you can select your

233

00:08:52,870 --> 00:08:50,710

and here's another unique example so one

234

00:08:55,110 --> 00:08:52,880

of the admins sanjoy

235

00:08:56,310 --> 00:08:55,120

he has a mentoring relationship with a

236

00:08:58,790 --> 00:08:56,320

classroom

237

00:09:00,470 --> 00:08:58,800

in california he went and visited them

238

00:09:02,310 --> 00:09:00,480

but instead of just going and visiting

239

00:09:03,829 --> 00:09:02,320

and saying okay i'm a scientist this is

240

00:09:05,990 --> 00:09:03,839

why science is cool

241

00:09:07,990 --> 00:09:06,000

maybe here's some stickers goodbye it's

242

00:09:09,829 --> 00:09:08,000

fostering that relationship so taking it

243

00:09:11,509 --> 00:09:09,839

to the next level and and building on

244

00:09:13,670 --> 00:09:11,519

that so

245

00:09:15,350 --> 00:09:13,680

um his classroom

246

00:09:16,949 --> 00:09:15,360

they'll if kids have a question that the

247

00:09:18,870 --> 00:09:16,959

teacher might not answer or that relates

248

00:09:21,030 --> 00:09:18,880

to astrobiology they just type it in

249

00:09:23,670 --> 00:09:21,040

this group and sandra responds usually

250

00:09:26,389 --> 00:09:23,680

within the day so it's a really unique

251  
00:09:28,949 --> 00:09:26,399  
way to get science into the hands of the

252  
00:09:32,630 --> 00:09:28,959  
youth like immediately

253  
00:09:37,110 --> 00:09:35,190  
so why did we do this

254  
00:09:39,190 --> 00:09:37,120  
so if you have the cosmic perspective if

255  
00:09:41,269 --> 00:09:39,200  
you understand our place

256  
00:09:43,750 --> 00:09:41,279  
in the cosmos in our solar system in our

257  
00:09:45,110 --> 00:09:43,760  
galaxy you know it's pretty special

258  
00:09:46,070 --> 00:09:45,120  
and i think you have a different outlook

259  
00:09:48,310 --> 00:09:46,080  
on life

260  
00:09:50,389 --> 00:09:48,320  
and one of our motivations was to bring

261  
00:09:52,310 --> 00:09:50,399  
that to as many people as we can to

262  
00:09:54,630 --> 00:09:52,320  
share that perspective

263  
00:09:56,070 --> 00:09:54,640

so it is really up to us as you guys

264

00:09:58,230 --> 00:09:56,080

know there's a lot of budget cuts the

265

00:09:59,670 --> 00:09:58,240

sequester is making it really hard for

266

00:10:02,550 --> 00:09:59,680

outreach right now and we're not really

267

00:10:05,430 --> 00:10:02,560

sure what the future of it's going to be

268

00:10:07,190 --> 00:10:05,440

and um so this is a great way to do a

269

00:10:11,750 --> 00:10:07,200

grassroots movement of taking into our

270

00:10:16,470 --> 00:10:14,389

and where we are now so we officially

271

00:10:17,670 --> 00:10:16,480

launched just over a year ago on april

272

00:10:22,550 --> 00:10:17,680

12

273

00:10:25,509 --> 00:10:22,560

and

274

00:10:27,990 --> 00:10:25,519

we have now we have over 700 members

275

00:10:30,470 --> 00:10:28,000

we have about over 5 000 followers on

276

00:10:32,550 --> 00:10:30,480

facebook and 200 on twitter

277

00:10:34,310 --> 00:10:32,560

we're represented over seven continents

278

00:10:35,910 --> 00:10:34,320

here's our member map

279

00:10:37,269 --> 00:10:35,920

you can place your little pin where

280

00:10:39,590 --> 00:10:37,279

you're at

281

00:10:42,550 --> 00:10:39,600

we have 32 interest groups so people

282

00:10:43,509 --> 00:10:42,560

have created their own interest groups

283

00:10:45,750 --> 00:10:43,519

and we have

284

00:10:49,269 --> 00:10:45,760

already have over 30 and we've tweeted

285

00:10:50,069 --> 00:10:49,279

720 times and we have three bloggers

286

00:10:51,509 --> 00:10:50,079

that

287

00:10:53,110 --> 00:10:51,519

brittany was one of them she blogged

288

00:10:55,750 --> 00:10:53,120

from antarctica

289

00:11:00,389 --> 00:10:57,829

and two of the other bloggers just came

290

00:11:02,790 --> 00:11:00,399

up to us and had content they wanted to

291

00:11:05,750 --> 00:11:02,800

share we said go ahead and our newest

292

00:11:08,470 --> 00:11:05,760

one is a poet she wants to do

293

00:11:10,550 --> 00:11:08,480

astronomy universal poems so i can't

294

00:11:12,870 --> 00:11:10,560

wait to see how that bodes

295

00:11:14,710 --> 00:11:12,880

and we're just about done here so

296

00:11:17,910 --> 00:11:14,720

if you haven't already please join us on

297

00:11:20,230 --> 00:11:17,920

sagan at [seganet.org](http://seganet.org) and on facebook and

298

00:11:21,750 --> 00:11:20,240

twitter and if you have any questions

299

00:11:25,110 --> 00:11:21,760

find one of us this week we're going to

300

00:11:26,790 --> 00:11:25,120

be around or just email us

301  
00:11:29,590 --> 00:11:26,800  
at this address

302  
00:11:32,230 --> 00:11:29,600  
and we'd like to thank blue marble space

303  
00:11:33,509 --> 00:11:32,240  
organization nasa astrology institute

304  
00:11:34,389 --> 00:11:33,519  
especially

305  
00:11:36,870 --> 00:11:34,399  
um

306  
00:11:39,829 --> 00:11:36,880  
melissa kerbin brooks for being a huge

307  
00:11:41,509 --> 00:11:39,839  
support and carl pilcher for also being

308  
00:11:43,110 --> 00:11:41,519  
a great support anyone i missed and just

309  
00:11:44,710 --> 00:11:43,120  
being really awesome

310  
00:11:47,110 --> 00:11:44,720  
also we're also going to create a group

311  
00:11:49,110 --> 00:11:47,120  
on there for appgrecon 2013 so you can

312  
00:11:53,829 --> 00:11:49,120  
keep interacting and talking continuing

313  
00:11:53,839 --> 00:11:58,790

and i didn't miss batool's name here