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**From:** jeffrey E. <jeevacation@gmail.com>  
**Sent:** Monday, June 18, 2018 6:33 PM  
**To:** Joichi Ito  
**Subject:** Fwd:

----- Forwarded message -----

From: Caleb Harper <[REDACTED]> >  
Date: Mon, Jun 18, 2018 at 11:52 AM  
Subject: Re:  
To: "jeffrey E." <jeevacation@gmail.com <mailto:jeevacation@gmail.com>>

That=E299s exciting to hear -

Arielle wanted to get out of the lab and move back to NYC with her husband - got a book deal and is consulting a food television show. She is still around as a directors fellow and is a resource as needed. =C299

Molecular biologist just wasn't working out in terms of progress - not sure what he is doing now - probably going back to neuroscience (I got him from the broad institute hoping his background could be usefully applied out of discipline in plant science)

On=Mon, Jun 18, 2018 at 11:40 AM jeffrey E. <jeevacation@gmail.com <mailto:jeevacation@gmail.com>> wrote:

not of the ballpark 99A0 , can talk later in the week, what happened to the two you let go

On Mon, Jun 18, 2018 at 11:32 AM, Caleb Harper <[REDACTED]> wrote:

I've ordered it :) thx

<=iv dir="auto">To do this I need to add depth to my bio team, that=99s by far my weakest team in the lab currently. I recently let contracts lapse on Arielle and my molecular biologist as it wasn't working out. I'd want to add the following team and would need to do a search to get the best. MIT won't let me hire PhD Research Scientists, and likely quality people wouldn't accept, without secure multiyear funding. I'd propose 500k a yr for 3 yrs with the expectation we evaluate progress after year one as to year 2 and 3. The transparent cost break down is:

PhD plant physiologist - 80k base salary + 56% MIT research OH (none goes to my lab or ML) + 20% benefits = 149,760 k total cost

PhD plant biochemist - 100k base salary + 56% MIT research OH + 20% benefits = 187k total cost

Plant science tech (JR) - 40k \* 20% administrative OH - 48k total cost

100k prototyping budget + 20% material & services=OH = 120k total cost

= 500k a year / 3yrs

On my side I'll dedicate 2 out of our 4 shipping containers for 3 years (target paid for install / dev etc but with stock price decline i= stopping support for non essential research) and my salary is covered in other sponsored accounts plus my team of engineers on staff (backend /front-end software, data science , electrical, embedded systems and mechanical engineers)

I know it's a big ask, and would understand if it's out of ball park, but I think that's what it would take to make meaningful and rigorous progress on figuring out if plants can think and communicate

Thoughts?

On Sun, Jun 17, 2018 at 6:10 PM jeffrey E. <jeevacation@gmail.com <mailto:jeevacation@gmail.com> > wrote:

will fund it, mancuso also fun, C2 .

On Sun, Jun 17, 2018 at 6:08 PM, Caleb Harper <[REDACTED]> <mailto:[REDACTED]> > wrote:

Very...I wonder if I can prove it

On Sun, Jun 17, 2018 at 5:57 PM jeffrey E. <jeevacation@gmail.com <mailto:jeevacation@gmail.com> > wrote:

fun isn't it

On Sun, Jun 17, 2018 at 2:31 PM, Caleb Harper <[REDACTED]> <mailto:[REDACTED]> > wrote:

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