



2017/05/08



wow, last night , people very angry at me . " how could you put forth a name without doing basic homework. . telling the group she said she didn't know what the investigation was about? , rose colored glasses is one thing , blinders are another " , (funny). boy there are a lot of people who know about this. !! i knew nothing. .

10:56:49 am

all interesting and a replacement for MRI way overdue. much more fun,

10:57:28 am

sorry, I know this stuff, is painful. but lets focus on planthromorphic. , I wonder whether when we sleep we turn into plants.

11:00:16 am



It is painful and ridiculous. I did nothing except my job. Not sure what ppl "know" but total ridiculous bc there's nothing to know except what they can make up.

I think folks can and should make intravascular imaging capacity. I like thinking endovascular possibilities!

11:36:13 am

Plants too but harder to rally around the concept since none of the incumbent fancy scientists think about it yet

12:18:31 pm

I'm checking if Caleb is available 26th in Boston when I go see ed boyden

12:32:02 pm

I don't know about sleep (maybe?) but a few interesting things to think about:

1. Just like we have intrinsic oscillations in our basal ganglia so do plants.
2. Why can't we do eeg on plants and see if they have some sort of additional tonic rhythms I bet they do
3. Makes you want to rethink the nervous system a bit or st least as we define it - maybe there's a very rudimentary surveillance and survival system that we somehow combined (academically) with other functions and called it neuro system. Like what if it's a whole different system to have emotions and advanced Association etc

MW

12:51:34 pm

near ir frequency to study plants mary lou

12:53:27 pm

Not sure how near IR would apply to plants

12:53:44 pm

I'd rather see if she can fit stuff onto an endovascular catheter and do intravascular imaging without X-rays

12:54:15 pm

Then roots could easily do surgery

12:54:22 pm

Not roots. ROBOTS.

Everyone has figured out endoluminal surgery in intestines why not a little smaller space for vessels? Then you could have like Uber for your blood vessels and the robots could fix almost anything from the inside out

12:55:45 pm

<https://www.ncbi.nlm.nih.gov/m/pubmed/19470204/>



12:57:01 pm

Seems nonperfect (dried ground up roots)

12:57:01 pm

<http://journal.frontiersin.org/article/10.3389/fpls.2013.00393/full>

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12:57:50 pm

MW

This one cool

12:57:50 pm

they ground up the roots??!!

12:58:05 pm

✓ Sent

Yup stupid. That's how brain studies are done too. They extract neurons put them in a Petri dish and do experiments so dumb

12:59:39 pm

The "revolutionary" patch clamp stuff from the 1950s did same thing but w electricity

01:00:12 pm

<http://www.discovery.com/tv-shows/mythbusters/mythbusters-database/plants-have-feelings/>



01:03:13 pm

Plants connected to EEG. Bet they did it wrong by putting electrodes on leaves and not in roots, duh

01:03:14 pm

https://en.m.wikipedia.org/wiki/Cleve_Backster



01:04:46 pm

More

01:04:47 pm

<http://newscenter.lbl.gov/2016/12/20/berkeley-lab-awarded-4-6-million-transformational-agriculture-technologies/>

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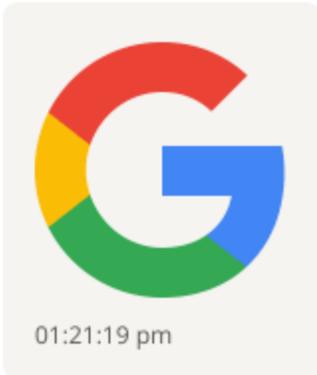
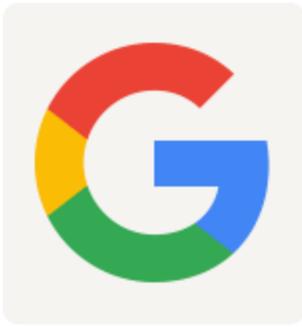


01:07:11 pm

More neat plant science

01:07:12 pm

<https://www.google.com/amp/s/www.geekwire.com/2017/former-bill-melinda-gates-executive-sues-organization-claims-misled-role/amp/>



<https://www.google.com/amp/s/medicalxpress.com/news/2015-11-ultrasound-imaging-blood-vessels-clarity.amp>

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01:29:36 pm

Holy cow this is awesome
01:29:36 pm

Signed bgc3 contract
09:25:45 pm

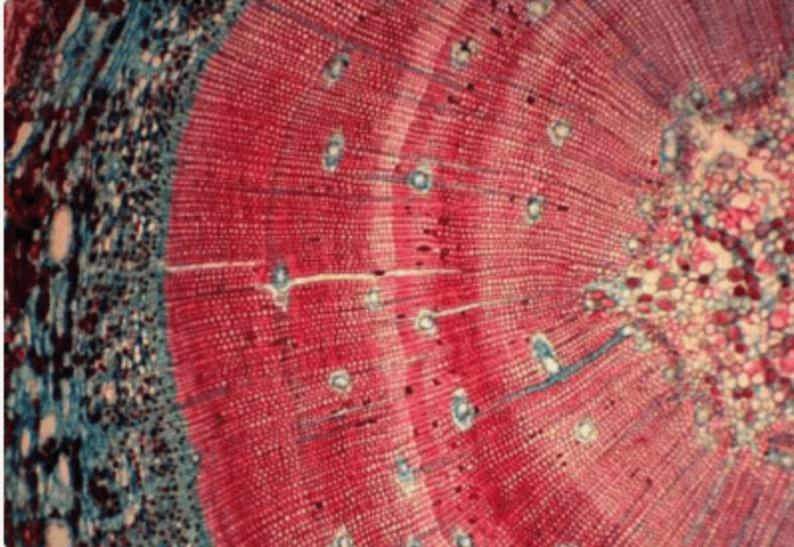
Consigned by Larry
09:25:52 pm

MW
Co-signed
09:26:02 pm

2017/05/09

Cross section of a pine tree

01:34:26 am



01:34:30 am

How's it going

04:35:52 pm

Sorry scrolled up to look for an article and saw / didn't mean "yes stupid" to you .. meant "yes stupid" that they grind up roots and study them. Totally stupid bc they are dead. And impossible to really intercept anything.

04:44:50 pm

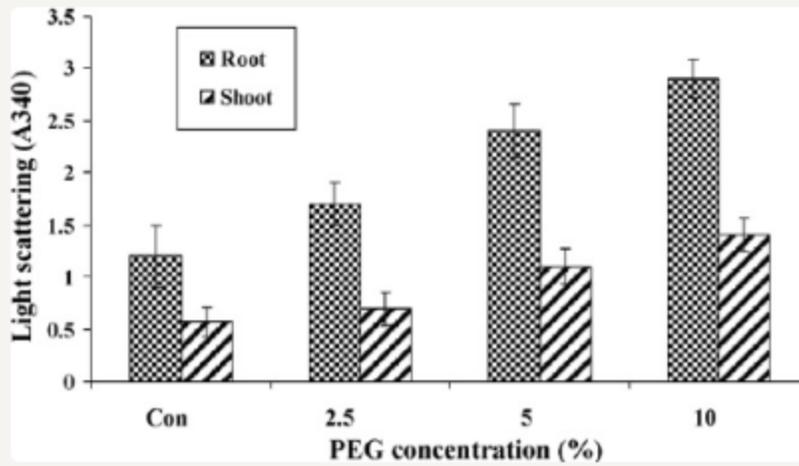
MW

Anyway more from Caleb and more to you soon

04:45:17 pm

2017/05/10

https://www.researchgate.net/figure/47634617_fig3_Fig-3-Water-stress-induced-protein-aggregation-in-root-and-shoot-tissues-of-horsegram



02:55:41 am

LEA protein interesting

02:55:41 am

<http://www.mdpi.com/2218-273X/4/1/252/pdf>

02:58:16 am

MW

Even in tiny quantities

02:58:17 am

✓ Read