

**From:** [REDACTED] >  
**To:** Jeffrey Epstein <jeevacation@gmail.com>  
**Subject:** Joe Thakuria  
**Date:** Thu, 20 Feb 2014 16:17:01 +0000

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Please see below from Joe Thakuria.

Begin forwarded message:

**From:** Joseph Thakuria <[REDACTED]>  
**Subject:** Re: Invoice for Jeffrey?  
**Date:** February 20, 2014 11:08:17 AM EST  
**To:** [REDACTED] >

Hi [REDACTED],

Just wanted to check in and see if Jeffrey had any questions on the invoice.

Some of the scientific articles I forwarded are pretty dense so I'm happy to summarize those for him if he would find that helpful.

Joe Thakuria

On Mon, Feb 10, 2014 at 3:16 PM, [REDACTED] > wrote:  
of course!

On Feb 10, 2014, at 3:16 PM, Joseph Thakuria <[REDACTED]> wrote:

Hi [REDACTED], would you mind passing on the following attachment and text below to Jeffrey? It was missing in my original invoice email.  
Joe

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Hi Jeffrey,

This attachment was missing from my original invoice email. A few points regarding this paper:

1. The ppg is not interested in pursuing this clinical metabolome research (too clinical), and now that I'll be working on my own study, they no longer have the medical expertise for this.
2. So, even though the data for this small exploratory/perspective piece was looked at with a small number of PGP samples, our follow up publication (which would be an "original research" paper rather than exploratory/perspective piece) would involve a much larger number of samples from the MGH Virtual Genomics Clinic with accompanying biochemical data.
3. PGP has also abandoned the GPS analyses tool I was instrumental in creating (see Fig. 1 of attached). GPS could be resurrected or built from scratch with support from the bioinformatics part-time hire listed in

the invoice. Cross comparisons of the 3 servers and 6 analyses tools in the first half of year 1 would help create a dramatically improved Genome Parsing System (GPS) - especially with respect to UI and genome visualization.

4. Because it is non-clinical and public, the PGP never fully implemented the participant survey found in Table 1. This will be fully implemented in the MGH VGC. Table 1 gives you an idea of the type of questionnaire we'll use in our study and rationale for collecting this data.

Joe

On Mon, Feb 10, 2014 at 1:25 PM, Joseph Thakuria <[REDACTED]> wrote:

Thanks again,  
Joe

On Feb 10, 2014 1:23 PM, "[REDACTED]" > wrote:

Excellent...I hope this all works out for you both.

On Feb 10, 2014, at 1:16 PM, Joseph Thakuria <[REDACTED]> wrote:

[REDACTED], thanks - my apologies again for the long wait on this.

I need drill down on a few more numbers but the invoice is essentially a comprehensive overview of the research I'm planning on making my life's work.

It's very ambitious and some initial funding will be critical in jump starting the whole project.

Joe

On Feb 10, 2014 12:56 PM, "[REDACTED]" > wrote:

FANTASTIC!!!

Thank you soooo very much. Hope you had a great time snow boarding!!

I will pass this along to Jeffrey and I'm sure he will be in touch.

[REDACTED]

On Feb 10, 2014, at 12:51 PM, Joseph Thakuria <[REDACTED]> wrote:

Hi [REDACTED],

Sorry for the delay. I was busy catching up on clinical work and snowboarding all last week with friends in Breckenridge.

Please pass on the attached invoice to Jeffrey. There are quite a few attachments so I would instruct him to start with the invoice which will make reference to other attachments (and put them in proper context).

I provided a lot of info (erring on the side of providing more explanation rather than too little).

Jeffrey should feel free to contact me anytime with questions regarding the invoice by email or cell phone ([REDACTED]).

Thanks!  
Joe

On Mon, Feb 10, 2014 at 7:58 AM, [REDACTED] > wrote:  
Hello joe Hope you had a nice weekend. Might you be able to give me an update on the invoice Jeffrey would like from you?

Thanks, [REDACTED]

Sent from my iPhone

<JE\_invoice\_final.docx><JVT\_NIH\_biosketch\_01\_15\_14.doc>  
<Caskey\_pnas2013\_houston\_ypo.pdf><ACMG\_Incidental\_Findings\_recs\_6\_20\_13.pdf>  
<Legacy.pdf><WGS\_in\_NICU\_patients\_Sci Transl Med-2012-Saunders.pdf>

<btf\_jvt\_2012.pdf>