

To: jeevacation@gmail.com[jeevacation@gmail.com]
From: [REDACTED]
Sent: Sun 11/7/2010 8:50:24 PM
Subject: Fw: references

-----Original Message-----

From: Martin Nowak [REDACTED]
To: [REDACTED]
CC: Lesley Groff; Corina Tarnita [REDACTED]
Sent: Sun Nov 07 15:23:54 2010
Subject: Re: references

george

no skepticism, only complete amazement!
many thanks for sending me the links.
i must study them carefully.

best wishes
martin

On Nov 4, 2010, at 7:48 AM, George Church wrote:

I sensed skepticism and/or curiosity on Sunday, so I'm enclosing some references below:

1) Reading and writing DNA have improved faster than Moore's law (10-fold per year rather than 1.5-fold) for a few years
now:<http://www.nature.com/nbt/journal/v27/n12/pdf/nbt.1590.pdf>

2) Accelerated Evolution via Multiplex Automated Genome Engineering (MAGE) :
<http://arep.med.harvard.edu/pdf/Wang.Isaacs.Nature09.pdf>

3) Virus-resistant genetic codes:
http://seedmagazine.com/content/article/safeguarding_biology/
(& Science manuscript in revision).

4) Mirror life:
Dec 2010 issue of Wired (& Nature manuscript in revision)

5) Cellularization of lung, liver, heart scaffolds and working transplants:
<http://www.nature.com/nm/journal/v16/n7/full/nm.2170.html>
<http://www.nature.com/nm/journal/v16/n8/full/nm.2193.html>
<http://www.nature.com/nm/journal/v14/n2/pdf/nml684.pdf>
(similar papers exist on bladder, artery, esophagus, skin, trachea -- we have a project in progress attempting all organs at once).

-- George
<http://arep.med.harvard.edu/gmc>
NRB room 238, <http://maps.google.com/maps?q=77+Ave+Louis+Pasteur>
All appointments must be confirmed with:
lglass@genetics.med.harvard.edu