Description of document:	Dr. Bruce Ivins emails provided by TheEnterpriseReport.com Email Batch Two
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Note:	See following page for other related material available from governmentattic.org

THE ENTERPRISE REPORT - TheEnterpriseReport.com
is an online investigative news site founded and published by award-winning Producer/Investigative Journalist Eric Longabardi. The site was named Best Online Website by the LA Press Club in 2008.

Eric Longabardi is a national award winning broadcast producer and investigative journalist with a career spanning nearly two decades. Longabardi has reported extensively on a wide variety issues related to the US Defense Department's research into biological and chemical weapons over the years. He has also reported extensively on the FBI 'Amerithrax" investigation of Dr. Bruce Ivins, the Fort Detrick, Maryland biowarfare scientist the U.S. Department of Justice (DOJ) claims was the person responsible for mailing Anthrax letters which killed five people and sickened 17 others in 2001. Longabardi was the first journalist to disclose the movements and detail the "window of opportunity" of Dr. Ivins on the dates the Anthrax letters were mailed and detail his whereabouts at the Fort Detrick Laboratory where he worked during the dates in question.

The nine batches of emails provided to governmentattic.org were obtained under the Freedom of Information Act (FOIA) by journalist Eric Longabardi beginning on January 22, 2009.

All of this material is available at governmentattic.org.

This file is: Email Batch Two: DrBruceIvinsEmail_Two.pdf 224 KB

The other available files are:

The Release letter:	DrBruceIvinsEmail_ReleaseLetter.pdf	30 KB
Email Batch One:	DrBruceIvinsEmail_One.pdf	7 MB
Email Batch Three:	DrBruceIvinsEmail_Three.pdf	264 KB
Email Batch Four:	DrBruceIvinsEmail_Four.pdf	176 KB
Email Batch Five:	DrBruceIvinsEmail_Five.pdf	124 KB
Email Batch Six:	DrBruceIvinsEmail_Six.pdf	130 KB
Email Batch Seven:	DrBruceIvinsEmail_Seven.pdf	145 KB
Email Batch Eight:	DrBruceIvinsEmail_Eight.pdf	221 KB
Email Batch Nine:	DrBruceIvinsEmail_Nine.pdf	329 KB
All above material in one PDF:	DrBruceIvinsEmail_All.pdf	6.2 MB

From: Ivins, Bruce E Dr USAMRIID
To: (b) (6) Ivins, Bruce E Dr USAMRIID; (b) (6)
Subject: rPA Studies
Date: Monday, January 24, 2000 2:03:56 PM

(b) (6) protocol (B00-03) covers much of what needs to be done with rPA. I think what gets contracted out is going to depend on the space we have here, and the length of time we have to accomplish the work. As it stands now, we can't possibly complete everything in the protocol by the end of the year. I think we could do experiments 1, 2 and 5 this calendar year if we started now, but that's about it. The rest of it may well have to be contracted out.

- Bruce

From: Ivins, Bruce E Dr USAMRIID
To: (b) (6)
Subject: RE: Anthrax, mice, and CpG
Date: Wednesday, January 26, 2000 7:48:28 AM

(b) (6)
I should need 2.4 mg of non-CpG oligos and 12 mg of CpG oligos at 100 micrograms per ml. Thanks.

- Bruce

P.S. Hope you weathered the snow OK yesterday!

-----Original Message-----
From: (b) (6)
Sent: Tuesday, January 25, 2000 3:34 PM
To: 'Ivins Bruce E Dr USAMRIID'
Subject: RE: Anthrax, mice, and CpG

Dear Bruce,

I recall that we re-calculated the amount of ODN needed for the guinea pig experiments, but can't find my notes. Could you remind me about the amount of + and - ODN I should bring up on Thursday. Many thanks,

(b) (6)

> -----Original Message-----
> From: Ivins Bruce E Dr USAMRIID [SMTP:Bruce.Ivins@DET.AMEDD.ARMY.MIL]
> Sent: Friday, January 21, 2000 10:04 AM
> To: (b) (6)
> Subject: RE: Anthrax, mice, and CpG
>
> Hi, (b) (6)
> My first vaccinations (including CpG) are on Thursday, 27 Jan. When
> will you be coming? I have a meeting from 10-12, but I'll be here in my
> office from 8-10, and I'll also be here after 1 pm. Somebody will be in my
> office from 10-12. When you get to USAMRIID, either the front desk or the
> back desk, just have the guard call my number (b) (6)
> number
> (b) (6) and someone will be down to pick the oligos up. If you need
> directions, let me know. Thanks!
>
> - Bruce
>
>
> -----Original Message-----
> From: (b) (6)
> Sent: Thursday, January 20, 2000 4:37 PM
> To: 'Ivins Bruce E'
> Subject: RE: Anthrax, mice, and CpG
>
>
> Dear Bruce,
>
> The ODNs are tested. They worked fine, and are ready for pick up. I have
> to visit Ft. Detrick on (b) (6) (b) (6) If that's not too late, I could

(6)

> drop them off to you. Otherwise, I could Fex Ex them to you, or you could
> pick them up.
>
> Let me know.
>
> (b) (6)
>
> > -----Original Message-----
> > From: Ivins Bruce E [SMTP:Bruce.Ivins@DET.AMEDD.ARMY.MIL]
> > Sent: Thursday, October 07, 1999 8:40 AM
> > To: (b) (6)
> > Subject: Anthrax, mice, and CpG
> >
> > Hi (b) (6)
> > As you remember, in our first experiment with the mice, we got some
> > time-to-death extension with CpG for mice challenged with virulent B.
> > anthracis spores. In the second experiment, we demonstrated not only
> > time-to-death extension, but also protection from death with the CpG. In
> > this last experiment which we just concluded, we strangely got no
> > protection
> > at all, in terms of either survival or increased time-to-death. I
> believe
> > that the main problem is that the mouse is such a generally poor and
> > unpredictable model for anthrax. The guinea pig is a MUCH better model
> > for
> > anthrax infection/protection, and our guinea pig protocol for CpG has
> been
> > approved, so I think the next step should be (when we get the funds
> > released) to go into the guinea pigs. We'll be able to look at specific
> as
> > well as non-specific protection, and if we get some promising results,
> we
> > can head into non-human primates. Hopefully we'll get some money
> released
> > within a few weeks and we can get started then. I'll let you know. I'm
> > sure
> > that mice are an excellent animal model for a number of diseases, but
> > anthrax isn't one of them.
> >
> >
> > - Bruce

From: Ivins, Bruce E Dr USAMRIID
To: (b) (6)
Subject: Titers for B97-05 sera
Date: Wednesday, January 26, 2000 11:16:10 AM

(b) (6) Have the Anti-PA ELISA titers for B97-05 rabbit sera been run yet? If not, do you know about when they might be done?

Thanks!

- Bruce

From: Ivins, Bruce E Dr USAMRIID
To: (b) (6)
Subject: Monkey protocol
Date: Thursday, January 27, 2000 9:52:39 AM

Hi, (b) (6)

I think the monkey protocol we talked about yesterday sounds good. At last, a meeting where something concrete gets decided! Even if we did the mice, guinea pigs and rabbits, we'd still have to go to monkeys eventually. Thus we are actually saving animals (mice, guinea pigs and rabbits) by going straight to the primate. (If the LACUC gives us a hard time we can tell them that.)

Is this correct for what came of the meeting with respect to the monkey passive protocol?

a) 4 control and and 4 experimental monkeys
b) On days ? and ? (-1 and +1 ??) the controls will get normal human IgG, and the experimental animals will get anti-AVA IgG.
c) On day 0, the animals will get an aerosol Ames spore challenge of about 10 LD50.
d) Daily quantitative bacteremias will be done on all monkeys.
e) The monkeys will be monitored ? (3?) times daily to determine times to death.
f) Serum antibody levels will be determined daily.

Whatever help I can provide, please let me know.

- Bruce

From: Ivins, Bruce E Dr USAMRIID
To: (b) (6)
Subject: RE: Titers for B97-05 sera
Date: Thursday, January 27, 2000 8:29:17 PM

(b) (6) I can't print the file for some reason. - Bruce

>-----Original Message-----
>From: (b) (6)
>Sent: Thursday, January 27, 2000 5:31 PM
>To: Ivins, Bruce E Dr USAMRIID
>Subject: RE: Titers for B97-05 sera
>
> << File: JB992402.xls >> Thats your data attached. Any problems let me know. The 2 low positve "saline" controls were on a plate filled with negatives so I didn't see an evident problem with the results.
>
>Have fun,
(b) (6)
>
> -----Original Message-----
> From: Ivins, Bruce E Dr USAMRIID
> Sent: Wednesday, January 26, 2000 3:46 PM
> To: (b) (6)
> Subject: RE: Titers for B97-05 sera
>
> Yes, please! Thanks, (b) (6)
>
> - Bruce
>
> -----Original Message-----
> From: (b) (6)
> Sent: Wednesday, January 26, 2000 1:52 PM
> To: Ivins, Bruce E Dr USAMRIID
> Subject: RE: Titers for B97-05 sera
>
> It just so happens that I am running them as I answer this. Expect results sometime tomorrow. Did you want the probit titer like last time?
>
> (b) (6)
> ----Original Message-----
> From: Ivins, Bruce E Dr USAMRIID
> Sent: Wednesday, January 26, 2000 11:16 AM
> To: (b) (6)
> Subject: Titers for B97-05 sera
>
> (b) (6)
> Have the Anti-PA ELISA titers for B97-05 rabbit sera been run yet? If not, do you know about when they might be done?
>
> Thanks!
>
> - Bruce

From: Ivins, Bruce E Dr USAMRIID
To: (b) (6)
Subject: AVA info
Date: Monday, January 24, 2000 1:15:20 PM

AVA

1. What should be done.

a) Passive studies in mice - I would prefer that these studies be contracted out. We can provide the challenge spores and antiserum.

1) Mice = CBA/J females, 10 per group, about 20 g. Inject intraperitoneally on days -1, 0, 1, 2 and 3 with one of the following: rabbit anti-rPA antiserum; rabbit anti-AVA antiserum; human anti-AVA IgG; Normal rabbit serum; normal human IgG. On day 0, challenge subcutaneously with 10LD50s of V1B spores. Check mice 3X daily for deaths and note differences in survival as well as time to death differences. If protection is seen, repeat experiment with 10 LD50s of Ames spores. If no protection is seen, drop the challenge dose down to 3-5 LD50s of Vollum 1B spores. Enough animals should be ordered to repeat experiments. Total number of animals = 400

b) Passive studies in guinea pigs. We can do these studies in the guinea pig animal room in B3.

1) Guinea pigs = Hartley strain, 8 males and 8 females per group, about 350 g at the time of the experiment. Inject intraperitoneally on days -1, 0, 1, 2 and 3 with one of the following: rabbit anti-rPA antiserum; rabbit anti-AVA antiserum; human anti-AVA IgG; Normal rabbit serum; normal human IgG. On day 0, challenge intramuscularly with 50 LD50s (5000) of Ames spores. Check guinea pigs 3X daily for deaths and note differences in survival as well as time to death differences. If protection is seen, repeat experiment with 100 LD50s of Ames spores. If no protection is seen, drop the challenge dose down to 10 LD50s of Vollum 1B spores. Enough animals should be ordered to repeat experiments. Total number of animals = 500

c) Passive studies in rabbits and monkeys (aerosol challenge). (b) (6) and I would be willing to work on this with (b) (6) f it is decided not to contract this out.

d) For ELISAs and TNAs - mice and guinea pigs - establish serology kinetics with < 10 animals that receive antiserum or IgG. (Contract this out??) For rabbits and monkeys, bleed animals daily. (Contract the tests out??)

e) Surrogate marker for non-human primate: We can either do this, or contract out the immunizations (and bleeds), then do the aerosol challenges here.

c) Assays for immunological correlates - see (b) (6) for comments.

d) Characterization of protective antibodies - see (b) (6) for comments.

We can use the budget estimates that (b) (6) has so masterfully worked out.

- Bruce

From: Ivins Bruce E USAMRIID
To: (b) (6)
Subject: CpG and guinea pigs
Date: Tuesday, December 14, 1999 4:00:40 PM

Hi (b) (6)

Good news - we just received funding in our supply line. We will now order the guinea pigs - it takes about one month for the order to be processed and the animals to get here, so we can start immunizing and injecting CpG in January. Would it be convenient to come pick up the oligos, both CpG and non-CpG, about the first week in January (5th through the 7th)? If not, please let me know what would be a good time. What I figure I will need are:

1) Non-CpG oligonucleotides, 1.2 ml at 100 micrograms per 0.1 ml. (Please let me know the sequence.)
2) CpG oligonucleotides, 12 ml at 100 micrograms per 0.1 ml. (Again, please let me know the sequence, so I can enter into my lab notebook.)

I'm quite excited about the experiment. This model should be a better anthrax model than the mouse.

Happy Holidays!

- Bruce

From: Ivins Bruce E USAMRIID
To: Bruce Ivins; (b) (6)
Subject: FW: Agreement for Anthrax meeting
Date: Tuesday, November 16, 1999 9:16:22 AM
Attachments: anthraxtemplate.doc

(b) (6) and everyone else,
Please read over the enclosed document and provide feedback.

- Bruce

-----Original Message-----
From: (b) (6)
riday, November 12, 1999 5:00 PM
To: Bruce Ivins (E-mail)
Subject: Agreement for Anthrax meeting

> Bruce, attached is a proposal for ASM to manage the Anthrax meeting. Let
> me know what you think. Have a great weekend.
>
> <<anthraxtemplate.doc>>
>
> (b) (6)
> Meetings Manager
> American Society for Microbiology
> phone: (b) (6)
> fax: (b) (6)
>

From: Ivins, Bruce E Dr USAMRIID
To: (b) (6)
Subject: Guinea pig sera
Date: Friday, January 21, 2000 3:10:51 PM

(b) (6) Here's what we have (I think). Keep in mind that some of the guinea pig sera is old and may have suffered "freezer burn" (lyophilization):

Experiment	Vaccine	Doses	Bleed	Numbers	Location
106	AVA	0 wk	6 wk	13R-24R	LA
1989G.055	AVA	0 wk	8 wk	21R-40R	LA
1989C.047	AVA	0,2,4 wk	8 wk	6R-10R	B3 office
	Alhydrogel + Sterne PA (280 micrograms)	0,2,4 wk	8 wk	1R-5R	B3 office
AVA lot testing	Lot 18 - 21 AUG 88	0,2,4 wk	8 wk	1L-20L	?
	Lot 18 - Nov 88	"	"	1R-20R	?
	Lot 19 - 20 Nov 87	"	"	21L-40L	?
	Lot 13 - 8 AUG 81	"	"	21R-40R	?
	Lot 16 - 16 FEB 85	"	"	41L-55L	?
	British vaccine	"	"	41R-50R	?
133	Alhydrogel + Diethanolamine rPA	0,4 wk	10 wk	1L-20L	?
	Alhydrogel + Ammonium acetate rPA	0.4 wk	10 wk	1R-20R	?
134	Alhydrogel + Ammonium acetate rPA	0,4 wk	10 wk	1L-20L	?
135	Alhydrogel + V770-NP1-R PA	0,4 wk	10 wk	1L-60L	?
136	Alhydrogel + Ammonium acetate rPA	0,4 wk	10 wk	1L-12L	?

Let (b) (6) and me know which ones you are interested in and how many total. These are individual sera, and we could just send tubes without pooling. Keep in mind that there may be some tubes missing.

- Bruce

From: Ivins Bruce E USAMRIID
To: (b) (6)
Subject: RE: Agreement for Anthrax meeting
Date: Wednesday, November 17, 1999 10:10:01 AM

Hi, (b) (6) I've forwarded your message up front. The agreement looks good to me and others. COL (b) (6) needs to find out who will sign the agreement. It might not be a bad idea to have you and some of us sit down to talk about more specifics on the meeting.

Thanks for all of your help so far. I'm certain that it will be a fine meeting. I'll get back in touch with you when I hear more.

- Bruce

-----Original Message-----
From: (b) (6)
Sent: Friday, November 12, 1999 5:00 PM
To: Bruce Ivins (E-mail)
Subject: Agreement for Anthrax meeting

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> me know what you think. Have a great weekend.
>
> <<anthraxtemplate.doc>>
>
> (b) (6)
> American Society for Microbiology
> phone: (b) (6)
>

From: Ivins Bruce E USAMRIID
To: (b) (6)
Subject: RE: Agreement for Anthrax meeting
Date: Monday, November 22, 1999 1:53:15 PM

Hi, (b) (6) Thanks for you help on the HTML codes! I'm trying to set up a date for a meeting between you and those of us working on the 2001 Anthrax meeting. The best dates for us would be December 13, 14, or 15. Other secondary possibilities include December 9, 20, or 21. If any of those dates are particularly good or bad for you, please let me know, then we can get a firm date and time for a meeting. Would you be able to meet up here?

- Bruce

-----Original Message-----
From: (b) (6)
Sent: Thursday, November 18, 1999 10:14 AM
To: 'Ivins Bruce E USAMRIID'
Subject: RE: Agreement for Anthrax meeting

That's a draft, before it gets signed there are a couple of things to discuss. If you think it's time to get together, would you like to set a date in December to do so?

> -----Original Message-----
> From: Ivins Bruce E USAMRIID [SMTP:Bruce.Ivins@DET.AMEDD.ARMY.MIL]
> Sent: Wednesday, November 17, 1999 10:10 AM
> To: (b) (6)
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> >
> > (b) (6)
> > American Society for Microbiology
> > phone: (b) (6)
> >

From: Ivins Bruce E USAMRIID
To: (b) (6)
Subject: RE: Agreement for Anthrax meeting
Date: Tuesday, November 23, 1999 7:15:20 AM

Hi, (b) (6)
I think the 13th is good. I'd suggest either late morning or early afternoon. That way you'd beat the rush and we could have some lunch up here!

- Bruce

-----Original Message-----
From: (b) (6)
Sent: Monday, November 22, 1999 2:01 PM
To: 'Ivins Bruce E USAMRIID'
Subject: RE: Agreement for Anthrax meeting

Any of them are fine, and I think it would be much easier to get one of me there rather than all of you here! Let's plan on Monday 12/13, and confirm later for times. Thanks, Bruce.

> -----Original Message-----
> From: Ivins Bruce E USAMRIID [SMTP:Bruce.Ivins@DET.AMEDD.ARMY.MIL]
> Sent: Monday, November 22, 1999 1:53 PM
> To: (b) (6)
> Subject: RE: Agreement for Anthrax meeting
>
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> for a meeting between you and those of us working on the 2001 Anthrax
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> - Bruce
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> Subject: RE: Agreement for Anthrax meeting
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> > Sent: Wednesday, November 17, 1999 10:10 AM
> > To: (b) (6)
> > Subject: RE: Agreement for Anthrax meeting
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> > Thanks for all of your help so far. I'm certain that it will be a fine
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> >
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> >
> >
> >
> > -----Original Message-----
> > From: (b) (6)
[redacted] Sent: Friday, November 12, 1999 5:00 PM
> > To: Bruce Ivins (E-mail)
> > Subject: Agreement for Anthrax meeting
> >
> >
> >
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> > > (b) (6)
[redacted]
> > > American Society for Microbiology
> > > phone: (b) (6)
[redacted]
> > >

From: Ivins Bruce E USAMRIID
To: (b) (6)
Subject: RE: Anthrax, mice, and CpG
Date: Friday, November 19, 1999 3:14:15 PM

You are correct, (b) (6) We are going into guinea pigs next, and we most certainly will when we finally get some funds. Right now, we don't have enough money to pay for housing the animals, much less for purchasing them. Just as soon as they release some money for this fiscal year, we will order the animals. I'll then contact you about getting the oligos. As I have calculated the needs should be as follows:

Non-CpG oligonucleotides (control) - 2.2 ml, at 100 micrograms per ml
CpG oligonucleotides - 12 ml, at 100 micrograms per ml.

The groups include: 1) non-CpG control; 2) CpG 6 days before challenge; 3) CpG 10 days before challenge; 4) vaccine (2 doses - 0 and 4 weeks); 5) vaccine + CpG (2 doses - 0 and 4 weeks); 6) vaccine (2 doses - 0 and 4 weeks), then CpG 6 days before challenge. I think that we should come up with data which will indicate whether (in the guinea pig model), Cpg provides either antigen-specific or non-antigen-specific enhancement of immunity to anthrax. If we get some positive results, I'll write an animal protocol for rhesus monkeys.

Have a fine Thanksgiving,

- Bruce

-----Original Message-----
From: (b) (6)
Sent: Friday, November 19, 1999 11:35 AM
To: 'Ivins Bruce E'
Subject: RE: Anthrax, mice, and CpG

Dear Bruce,

I'm not sure where we stand on the next anthrax experiments. I thought we were moving onto guinea pigs. Are you waiting for me, or vice-versa?
(b) (6)

-----Original Message-----
From: Ivins Bruce E [SMTP:Bruce.Ivins@DET.AMEDD.ARMY.MIL]
Sent: Thursday, October 07, 1999 8:40 AM
To: (b) (6)
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model for
anthrax infection/protection, and our guinea pig protocol for CpG has been
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well as non-specific protection, and if we get some promising results, we
can head into non-human primates. Hopefully we'll get some money released
within a few weeks and we can get started then. I'll let you know. I'm sure
that mice are an excellent animal model for a number of diseases, but
anthrax isn't one of them.

- Bruce

From: Ivins Bruce E USAMRIID
To: (b) (6)
Subject: RE: CpG and guinea pigs
Date: Tuesday, December 21, 1999 3:11:25 PM

Hi, (b) (6)
There are 16 guinea pigs per group, 96 animals total. Thanks for making a bit more than needed. Please let me know when I should come and pick them up. Have a great holiday season and a Y2K filled with joy and success (but no glitches).

- Bruce

-----Original Message-----
From: (b) (6)
Sent: Tuesday, December 21, 1999 9:52 AM
To: 'Ivins Bruce E USAMRIID'
Subject: RE: CpG and guinea pigs

Dear Bruce,

My apologies for the tardy response. Things here have been hectic. I'll be ordering your oligos this week. No fear, they'll be ready in early January. How many animal do you have per group? I was actually a bit surprised you only need 1.2 mg of oligo. I'll make more than that, so we can be on the safe side.

Hope the Holiday season is a merry one. All the best,
(b) (6)

-----Original Message-----
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1) Non-CpG oligonucleotides, 1.2 ml at 100 micrograms per ml. (Please let me know the sequence.)
2) CpG oligonucleotides, 12 ml at 100 micrograms per ml. (Again, please let me know the sequence, so I can enter into my lab notebook.)

I'm quite excited about the experiment. This model should be a better anthrax model than the mouse.

Happy Holidays!

- Bruce