

## Lisa Cohen

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**From:** Sara Edge  
**Sent:** Tuesday, May 03, 2011 2:48 PM  
**To:** Lisa Cohen  
**Subject:** FW: Coral Larvae

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

From: bmason@rsmas.miami.edu [mailto:bmason@rsmas.miami.edu]  
Sent: Wednesday, February 13, 2008 11:10 AM  
To: Sara Edge  
Subject: RE: Coral Larvae

Great news!! I'm glad things are working. They are difficult little bastards to work with. I've managed to get RNA from *A. palmata* by disrupting the cells by rapid pipeting, but it is definitely messy and not very efficient. The glass beads should do much better! I will be collecting more *Porites* this spring and could repeat some salinity stress/settlement experiments fairly easily ... hopefully develop a more complete story. When I did the experiments before I didn't see any obvious differences in settlement but the low salinity treatment caused larvae to remain more spherical while in the plankton (assuming to reduce surface to volume ratio for osmoregulatory benefit) so hopefully we will see other (molecular) indicators of stress.

Good luck with the grant writing!

Ben

> Great! I got good RNA from *Porites*... surprisingly. It's almost  
> impossible for me to work with adult *Porites* (some species' RNA is  
> pigmented). Anyway, *D. strigosa* and *M. faveolata* also look good. I'm  
> still troubleshooting *A. palmata* though. Those damn little larvae  
> don't want to break open. But I will get them, oh yes! I have some  
> glass vortex beads that will burst those suckers open.  
> Anyway, I also just got in my brand new microarray scanner! So, I'm  
> chomping at the bit to do some analysis. The first batch that I'm  
> going to tackle is the salinity exposure (because it flows nicely with  
> some of my other work). I should have results within a few weeks...  
> but the analysis will likely take a bit longer. (Tons of data to plow through).  
> I can give you an overview though.  
> I will put together a list of supplies that I need asap. I'm currently  
> in frantic grant writing mode, so if you don't hear from me by next  
> week, please send me a slap-in-the-face wake-up email to get me moving.  
>  
> -Sara  
>

> -----Original Message-----

> From: bmason@rsmas.miami.edu [mailto:bmason@rsmas.miami.edu]  
> Sent: Wednesday, February 13, 2008 10:01 AM  
> To: Sara Edge  
> Subject: RE: Coral Larvae

>  
> Hi Sara.  
>  
> I was just wondering if you've had any luck getting RNA from the larvae?  
>  
> I finally received word that the final payment of my MOTE money was  
> approved, so I have some additional funds that could be used to  
> purchase supplies for your lab.  
>  
>  
> Hope all is well,  
>  
> Ben  
>  
>> Yes. I've been trying to get them into TRIzol. Unfortunately I can't  
>> pellet them for several reasons. 1) The tubes they're in don't fit  
> into  
>> any centrifuge; 2) RNALater is very dense; and 3) Larvae are  
> lipid-rich  
>> so they float in practically everything. To top is all off, they  
>> stick like hell to plastic pipette tips. However, I've been able to  
>> remove  
> the  
>> RNALater from the tubes, without disturbing the larvae, by using a  
> glass  
>> Pasteur pipette. Then I've been putting TRIzol back in the tubes to  
>> preserve the larvae. I am going to start extracting RNA either later  
>> this week or next week to check integrity. We (HBOI) are in the  
> process  
>> of buying a microarray scanner, so I will (hopefully \*fingers  
> crossed\*)  
>> be able to run some samples by the end of the year. The larvae  
>> project and another salinity project (adult coral) are my two  
>> priorities right now. I'll keep you posted on progress with the larvae though.  
>>  
>> Thanks for checking in,  
>> Sara  
>>  
>> -----Original Message-----  
>> From: bmason@rsmas.miami.edu [mailto:bmason@rsmas.miami.edu]  
>> Sent: Wednesday, November 14, 2007 4:45 PM  
>> To: Sara Edge  
>> Subject: RE: Coral Larvae  
>>  
>> Hi Sara:  
>>  
>> I was just wondering if you've had a chance to start working with the  
>> samples yet?  
>>  
>> Best,  
>> Ben  
>>

>>> Hi Ben,  
>>>  
>>> Can you send me the spreadsheet for the samples that you dropped off?  
>> I  
>>> want to get started on processing them when I get back from the  
> field.  
>>>  
>>> Thanks,  
>>> Sara  
>>>  
>>>  
>>>  
>>> Hi Sara. I am hoping to leave Miami fairly early tomorrow ... 7:30?  
>> I'm  
>>> not sure what sort of traffic to expect around Ft. Lauderdale, but I  
>> hope  
>>> to get to HBOI 10-10:30?  
>>>  
>>> I can call with an ETA and to get better directions once I pass Ft.  
>>> Lauderdale, Boca, West Palm.  
>>>  
>>>  
>>> Thanks,  
>>> Ben  
>>>  
>>>  
>>>> Sure. That would work just fine.  
>>>>  
>>>> -Sara  
>>>>  
>>>> -----Original Message-----  
>>>> From: bmason@rsmas.miami.edu [mailto:bmason@rsmas.miami.edu]  
>>>> Sent: Monday, September 17, 2007 10:37 PM  
>>>> To: Sara Edge  
>>>> Subject: RE: Coral Larvae  
>>>>  
>>>> Hi Sara:  
>>>>  
>>>> Would Thursday morning work? I thought it was a longer drive but  
>>>> it seems like it should only take 2.5 hours from Miami. So, I'm  
>>>> happy to  
> come  
>>>> there to Ft. Pierce.  
>>>>  
>>>>  
>>>> Thanks,  
>>>> Ben  
>>>>  
>>>>  
>>>>> I can meet with you next week to get the samples if you're heading  
>> to  
>>>> Ft

>>>>> P. The only time I'm busy next week is from 9 am until 3pm on  
>> Tuesday.  
>>>>> Other than that, we can work something out.  
>>>>> What day were you thinking?  
>>>>>  
>>>>> -Sara  
>>>>>  
>>>>> -----Original Message-----  
>>>>> From: bmason@rsmas.miami.edu [mailto:bmason@rsmas.miami.edu]  
>>>>> Sent: Friday, September 14, 2007 1:27 PM  
>>>>> To: Sara Edge  
>>>>> Subject: RE: Coral Larvae  
>>>>>  
>>>>> Hi Sara. Sorry it took me so long to respond. I have been in Key  
>>>> Largo  
>>>>> wrapping up our spawning work. I could meet you any day next week.  
>>>> Let  
>>>>> me  
>>>>> know if there is a day/time that works best for you. We can  
>>>>> either  
>>>> meet  
>>>>> somewhere or I can come to Ft Pierce. I also have some samples  
>>>>> for  
>>>> Koty  
>>>>> Sharp, so if you are too busy getting ready to leave for the field  
>>>> Koty  
>>>>> maybe I can arrange to meet Koty and give her your samples?  
>>>>>  
>>>>> Let me know  
>>>>>  
>>>>>  
>>>>> Thanks,  
>>>>> Ben  
>>>>>  
>>>>>  
>>>>>> Ben  
>>>>>> Do you have a date in mind that we can meet to transfer the  
>> samples?  
>>>> I  
>>>>>> will be here until September 22nd (then gone for 3 weeks) and the  
>>>> only  
>>>>>> day until then that I'm not available is the 17th.  
>>>>>>  
>>>>>> Thanks,  
>>>>>> Sara  
>>>>>>  
>>>>>> -----Original Message-----  
>>>>>> From: bmason@rsmas.miami.edu [mailto:bmason@rsmas.miami.edu]  
>>>>>> Sent: Friday, August 03, 2007 10:52 AM  
>>>>>> To: Sara Edge  
>>>>>> Subject: Re: Coral Larvae  
>>>>>>

>>>>> Sara:  
 >>>>>  
 >>>>> Early Sept is fine. I may be back in Key Largo for spawning the  
 >> first  
 >>>>> week  
 >>>>> of Sept. depending on what happens this month, but will be able  
 >>>>> to  
 >>>> get  
 >>>>> them to you some time in the early part of the month.  
 >>>>>  
 >>>>> Good luck in the field,  
 >>>>> Ben  
 >>>>>  
 >>>>>  
 >>>>>> Ben  
 >>>>>>  
 >>>>>> I think meeting up would be better than shipping too. However, I  
 >>>>> leave  
 >>>>>> for Lee Stocking Island on Tuesday (8/7) until 8/22, and I'll be  
 >> in  
 >>>>>> Atlanta (Ga Tech) from 8/23 until the 31st. So, I can't get the  
 >>>>> larvae  
 >>>>>> from you until early September. Does that work for you?  
 >>>>>>  
 >>>>>>  
 >>>>>>  
 >>>>>> -Sara  
 >>>>>>  
 >>>>>>  
 >>>>>>  
 >>>>>> Sara Edge, PhD  
 >>>>>>  
 >>>>>> Post-Doctoral Scientist  
 >>>>>>  
 >>>>>> Robertson Coral Reef Program  
 >>>>>>  
 >>>>>> Harbor Branch Oceanographic Institute  
 >>>>>>  
 >>>>>> 5600 US 1 North, Ft. Pierce, Florida 34946  
 >>>>>>  
 >>>>>> 772.465.2400 x538 (phone)  
 >>>>>>  
 >>>>>> 772.468.0757 (fax)  
 >>>>>>  
 >>>>>> Sedge@HBOI.edu  
 >>>>>>  
 >>>>>>  
 >>>>>>  
 >>>>>> "Reality continues to ruin my life."  
 >>>>>> -Calvin, The Essential Calvin and Hobbes  
 >>>>>>  
 >>>>>>

