

12-2008

Visiting Lecture- Professor Daniel Nocera

University of Maine

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CULTURAL AFFAIRS/DISTINGUISHED LECTURE SERIES

GRANT APPLICATION

I. Applicant/Organization: **Maine Chapter of Sigma Xi**

II. a. Responsible Organization Officer: **Dr. François G. Amar (Dept of Chemistry)**
b. Title: **Vice-president of Maine Chapter Sigma Xi**
c. Campus Address (include Email and Telephone): **253 Aubert Hall, 581-1196, amar@maine.edu**

III. Summary of program requiring funding (title; featured artist(s); speaker(s); scheduled date(s):

The Maine Chapter of Sigma Xi, The Scientific Research Society, will host Distinguished Lecturer, Professor Daniel Nocera from MIT on April 22, 2009. He will give two talks. His major talk, presented at 7PM in the Arthur St. John Hill auditorium is entitled, "Artificial Photosynthesis: The Molecular Chemistry of Renewable Energy," and will be presented in conjunction with Sigma Xi's induction ceremony of new members and associate members. His other talk (title to be announced) will be more technical and will be presented at 3PM in the Arthur St. John Hill auditorium. Both talks will be free and open to the public. Note that the Department of Chemistry and the Maine Section of the American Chemical Society have also agreed to cosponsor this visit.

Professor Nocera and his group have recently made major new advances in the use of solar energy to split water into hydrogen and oxygen. This is one of the more promising technologies to be employed to generate renewable and storable energy from the sun. Nocera is presently the Henry Dreyfus Professor of Energy and Professor of Chemistry at MIT. He is the Director of the Solar Revolution Project, a major initiative funded by the Chesonis Foundation to hasten the arrival of usable solar technology. In addition to his sterling credentials as a researcher, he has contributed much to educating the public about science. He has been featured on the PBS series ScienceNow and NOVA. His 2006 NOVA episode was nominated for an Emmy Award.

The Maine Chapter of Sigma Xi seeks to promote scientific research and education about science by publicizing Sigma Xi's Grants in Aid of Research program and by sponsoring public talks. In addition, it recognizes accomplished and promising researchers by inducting them into the society. Thus it is particularly appropriate that a researcher and educator of the caliber of Professor Nocera should be the keynote speaker for our annual induction ceremony, timed—not coincidentally—to occur at the same time of year as UMaine's Research and Creative Achievement Week.

As outlined in the budget, we seek \$450 or ~25% of our funding for this program from CADLS. We will use this funding towards Prof. Nocera's honorarium and his local lodging expense. No CADLS funds will be used for the reception accompanying the induction ceremony or the social hour following his earlier talk. Even excluding funds for reception/social hour our request to CADLS is for not more than a third of our budget. The talk will be advertised to Sigma Xi members, ACS members, and other interested folks across Maine as well to the campus audience.

IV. Budget Proposal Form must be attached.

Funding for current application is contingent upon submission of reports for any previous grant awards, including final budget and attendance figures.

SEND COMPLETED APPLICATION VIA EMAIL TO:

wlegere@maine.edu

For questions regarding the Cultural Affairs/Distinguished Lecture Series, please contact Wanda Madden-Carr at 1-1516

Approved
\$450

9/02/08

Cultural Affairs/Distinguished Lecture Series Fund Budget Proposal Form

Applicant/Organization: UMaine Chapter Sigma Xi
 Responsible Officer: François G. Amar (Vice-President)
 Event Title: Sigma Xi Distinguished Lecture
 Event Date: April 22, 2008

Total Program Budget: \$1900
 Amount Committed by Applicant Organization: \$ 500
 Total Amount Requested from Other Funding Sources: \$ 900
 Please List Sources & Amounts below:
Dept. of Chemistry \$ 500
Maine Section American Chemical Society \$ 500

 Amount Requested from CA/DLS Committee: \$ 450 *
 Revenues, if any, expected (fees, ticket sales): N/A

Budget Breakdown of Expenses and funds to be used:	CADLS	Other
Honoraria/Services (explain below)	<u>\$ 300</u>	<u>\$ 200</u>
<u>The \$500 honorarium for Dr. Nocera will be shared between CA/DLS and Sigma Xi</u>		
Travel	<u>\$</u>	<u>\$ 500</u>
<u>Boston-Bangor flights are currently around \$500 including taxes, fees and fuel surcharges.</u>		
<u>Funding for travel will be provided by the Chem Dept. and Maine ACS</u>		
Lodging/Meals	<u>\$ 150</u>	<u>\$</u>
Advertising	<u>\$</u>	<u>\$ 100</u>
Printing	<u>\$</u>	<u>\$ 100</u>
Supplies and Materials	<u>\$</u>	<u>\$</u>
Other (must specify below)	<u>\$</u>	<u>\$ 550</u>
<u>• Induction reception following public talk \$250 from Sigma Xi</u>		
<u>• Social hour with members of ΣX, ACS and UM \$300 from ACS and Dept of Chemistry</u>		

Total Expenses from CA/DLS funds: \$ 450 *
 Total Expenses from other funds: \$ 1450
 (These two totals should equal the "Total Program Budget" listed above)

*These amounts should be identical and should not exceed 50% of the total program/event budget. Please note that CA/DLS funds may not be used for receptions and do not normally fund UM employee wages. If an award is granted based on this proposal, reimbursement of expenses will not exceed the total CA/DLS request and will be limited to the types of expenditures outlined above.

Report

COPY

Cultural Affairs Committee
and
Distinguished Lecture Series
c/o Wanda Madden-Carr
201 Alumni Hall
University of Maine

December 31, 2008

To: Francois Amar

From: Dorothy Croall & Dan Sandweiss, Co-Chairs

On behalf of the Cultural Affairs Committee and Distinguished Lecture Series, it gives us great pleasure to inform you that your proposal, Sigma Xi Distinguished Lecture, has been awarded \$450.00.

Please contact Wanda Madden-Carr at 1-1516 to discuss the procedures in place for the submission of financial expenses related to this award at your earliest convenience.

The following acknowledgement is required on ALL promotional material: *This event was supported in part by a grant from the Cultural Affairs/Distinguished Lecture Series.*

Attached is a form for your use to summarize the benefits derived from this grant. This form should be submitted within 30 days after the conclusion of the event. Timely submission of your summary will be considered as part of any future funding requests.

The Cultural Affairs Committee members congratulate you and wish you much success on this project.

To: Cultural Affairs/Distinguished Lectures Series Committee
Re: Dan Nocera Distinguished Lecture, April 22, 2009
From: François Amar, Department of Chemistry & VP UM Chapter Sigma Xi
Date: May 21, 2009

The Visit

Our visit from Dan Nocera (MIT) on April 22 was a huge success. About 70 people attended his afternoon (slightly more technical) talk entitled, "Personalized Energy: A Carbon-Neutral Energy Supply for 1 (x 6 Billion)". Howard Patterson of the Chemistry Department did the introduction for the afternoon talk. About 150 people attended his evening talk: "Powering the Planet: The Challenge for Science in the 21st Century." Dean Hecker of CLAS provided a welcome and Sara Lindsay, President of UM's Sigma Xi chapter announced the names of recently elected members of the chapter and asked that they be recognized.

Nocera's visit ended up creating a bigger splash than we anticipated. It is only after we fixed our dates with him that we realized that he was coming, fortuitously, on Earth Day. I worked with Misa Saros who coordinated Earth Day activities for the campus to promote Nocera's evening talk in 316 Aubert as the keynote talk for UM's Earth Day activities. Copies of our promotional posters and Maine Campus ad are attached. The University Relations office did a great job of publicizing the events in the press and the event was included in a Bangor Daily News insert about Earth Day events in the area. Finally, in collaboration with Ron Lisnet, both of Nocera's talks were taped for possible broadcast on MPBN's radio program, *Speaking in Maine*. You may be interested to know that a week after his visit, Nocera was included in Time magazine's list of the 100 most influential people of 2009.

Budget Report

We budgeted \$1900 for the event and actually came in a bit under that for a total expenditure of \$1680.07. The following Table gives the breakdown of these expenses by category and by sponsoring entity.

<i>Item</i>	<i>Cost</i>	<i>Chemistry</i>	<i>Sigma Xi</i>	<i>CA/DLS</i>	<i>ACS</i>
Publicity					
Color poster	\$60.95	\$60.95			
MaineCampus ad	\$79.20				\$79.20
Speaker expenses					
Hotel	\$175.63	\$3.33		\$172.30	
Airfare	\$277.70			\$277.70	
Honorarium	\$500.00		\$300.00		\$200.00
Dinner	\$161.89		\$161.89		
Event expenses					
Afternoon refreshments	\$35.00	\$35.00			
Evening reception	\$251.35	\$251.35			
Pizza lunch	\$138.35	\$138.35			
Totals	\$1,680.07	\$488.98	\$461.89	\$450.00	\$279.20

We thank CA/DLS for its support of this event.
Respectfully submitted,
François Amar

*The University of Maine Department of Chemistry and the
UMaine Chapter of Sigma Xi, The Scientific Research Society, proudly present*

Powering the Planet:

The Challenge for Science in the 21st Century



Dr. Daniel G. Nocera

Henry Dreyfus Professor of Energy, MIT

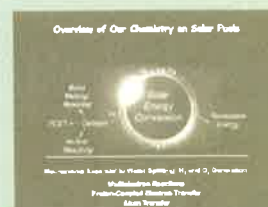
Recipient of the American Chemical Society's 2009 Award in Inorganic Chemistry

Wednesday, April 22, 2009

Speaking at the University of Maine:

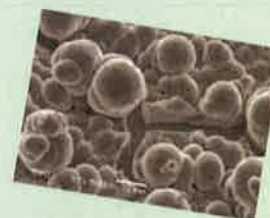
**3 p.m. "Personalized Energy: A Carbon-Neutral
Energy Supply for 1 (x 6 Billion)"**

**Arthur St. John Hill Auditorium
Engineering & Science Research Building**

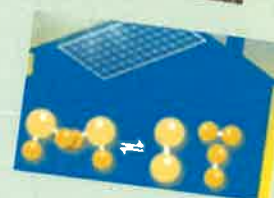


**7 p.m. The Sigma Xi Distinguished Lecture
"Powering the Planet: The Challenge
for Science in the 21st Century."**

Aubert Hall, Rm 316



*Both lectures are free and open to the public.
Refreshments will be served after each talk.*



For more information contact François Amar (207) 581-1196, amar@maine.edu

Sponsored by:

University of Maine Department of Chemistry, Sigma Xi, The Maine Section of the American Chemical Society and the University of Maine Cultural Affairs/Distinguished Lecture Series



UMAINE EARTH DAY 2009

The University of Maine Department of Chemistry and the
UMaine Chapter of Sigma Xi, The Scientific Research Society, proudly present

Powering the Planet:

The Challenge for Science in the 21st Century



Dr. Daniel G. Nocera
Henry Dreyfus Professor of Energy, MIT
Recipient of the American Chemical Society's 2009 Award in Inorganic Chemistry

Wednesday, April 22, 2009

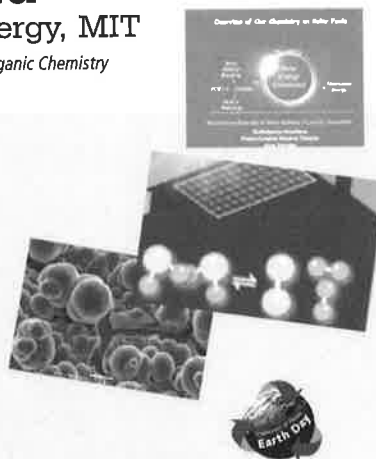
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