

4-2011

Sigma Xi Distinguished Lecture

UMaine Chapter Sigma Xi

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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 Fraser Stoddart from Northwestern University from March 14-15, 2011. He will give two talks. His major talk, presented at 7PM on Monday, March 14 in the Arthur St. John Hill auditorium is entitled, "*Mingling Art with Science.*" His other talk "*Fashioning Functional Materials with Integrated Mechanostereochemical Systems,*" will be more technical and will be presented at 11 AM, Tuesday, March 15 in the Arthur St. John Hill auditorium. Both talks will be free and open to the public. Professor Stoddart will also participate in a conversation with students, organized by the Honors College. Note that the Department of Chemistry, the Department of Physics&Astronomy, and the Maine Section of the American Chemical Society have also agreed to cosponsor this visit.

Professor Stoddart is a leader in nano synthesis, molecular machines, and supramolecular chemistry. His group is responsible for the first total synthesis of a three-ring interlocking structure which is a realization of the mathematicians' *Borromean ring*. Stoddart is one of the few chemists of the past quarter of a century to have created a new field of organic chemistry — namely, one in which the mechanical bond is a pre-eminent feature of molecular compounds. He has pioneered the development of the use of molecular recognition and self-assembly processes in template-directed protocols for the syntheses of two-state mechanically interlocked compounds (bistable catenanes and rotaxanes) that have been employed as molecular switches and as motor-molecules in the fabrication of nanoelectronic devices and NanoElectroMechanical Systems (NEMS).

His work has been recognized by many awards, including the Carbohydrate Chemistry Award of The Chemical Society (1978), the Nagoya Gold Medal in Organic Chemistry (2004), the King Faisal International Prize in Science (2007), the American Chemical Society's Cope Award (2008), and the Royal Society's Davy Medal (2008). He is a Fellow of the Royal Society (1994), the German Academy (Leopoldina) of Natural Sciences (1999), the American Association for the Advancement of Science (2005), the Science Division of the Royal Netherlands Academy of Arts and Sciences (2006), and the Royal Society of Edinburgh (2008). He was appointed by Her Majesty Queen Elizabeth II as a Knight Bachelor in her 2007 New Year's Honours List for his services to chemistry and molecular nanotechnology.

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. The Maine Section of the American Chemical Society promotes public awareness of chemistry and recent advances in scientific research. As outlined in the budget, we seek \$500 or ~27% of our funding for this program from CA/DLS. We will use this funding towards Prof. Stoddart's honorarium. No CADLS funds will be used for the reception accompanying the public talk or the social hour following his earlier talk. Even excluding funds for reception/social hour our request to CA/DLS 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.

SEND COMPLETED APPLICATION VIA EMAIL TO:

wlegere@maine.edu

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: March 17, 2010

Total Program Budget: \$1800
 Amount Committed by Applicant Organization: \$ 300
 Total Amount Requested from Other Funding Sources: \$1000

Please List Sources & Amounts below:

<u>Dept. of Chemistry</u>	<u>\$ 250</u>
<u>Dept of Physics and Astronomy</u>	<u>\$ 250</u>
<u>Maine Section American Chemical Society</u>	<u>\$ 500</u>

Amount Requested from CA/DLS Committee: \$ 500 *
 Revenues, if any, expected (fees, ticket sales): N/A

Budget Breakdown of Expenses and funds to be used: CADLS Other

Honoraria/Services (explain below) \$ 500 \$

The \$500 honorarium for Dr. Stoddart will be
Paid by CA/DLS

Travel \$ \$ 600

Chicago-Bangor flights are currently around
\$700 including taxes, fees and fuel surcharges.

Funding for travel will be provided by the
Physics Dept. and Maine ACS

Lodging/Meals \$ \$ 250

Advertising \$ \$ 100

Printing \$ \$ 100

Supplies and Materials \$ \$

Other (must specify below) \$ \$ 250

• Social hour with members of ΣX, ACS and UM
\$250 from Sigma Xi and Dept of Chemistry

Total Expenses from CA/DLS funds: \$ 500 *

Total Expenses from other funds: \$ 1300

(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.

9/08

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

9/02/08

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

March 4, 2011

To: Francois Amar

From: Melissa Mayard & 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, Maine Chapter Sigma Xi, has been awarded \$500.00.

Please contact Erinn Rossignol at 1-1591 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.

cc: Suzanne Moulton

To: Cultural Affairs/Distinguished Lectures Series Committee
 Re: Fraser Stoddart Distinguished Lecture, March 14, 2011
 From: François Amar, Department of Chemistry & VP UM Chapter Sigma Xi
 Date: April 25, 2011

The Visit

Our visit from Fraser Stoddart (Northwestern) on March 14 and 15 was a huge success. About 85 people attended his evening talk on March 14, entitled, "Science and Art at the Nanoscale". François Amar of the Chemistry Department did the introduction for the evening talk. About 65 people attended his morning talk on March 15: "Nanoporous Carbohydrate Metal-Organic Frameworks," which was introduced by Dean Astumian from Physics&Astronomy. It was good to notice a lot of students in the audience for the talks, both of which were enthusiastically received. In addition, the Honors College put up the speaker for two nights in its Faculty Suite in Colvin Hall and Dr. Stoddart had a conversation over breakfast on Tuesday, March 15 with about 10 Honors folks, mostly students.

Budget Report

We budgeted \$1800 for the event and actually came in a bit under that for a total expenditure of about \$1702.48. The following Table gives the breakdown of these expenses by category and by sponsoring entity. We had hoped to offer Professor Stoddart an honorarium but he made expensive travel arrangements which absorbed a larger amount of our budget than anticipated so we ask CA/DLS to help pay for the cost of our speaker's travel instead of the honorarium. Any additional costs beyond our original budget are borne by the other sponsors.

<i>Item</i>	<i>Cost</i>	<i>Sigma Xi</i>	<i>Chemistry</i>	<i>Physics</i>	<i>CA/DLS</i>	<i>ACS</i>
Speaker expenses						
Hotel	\$100		\$100			
Airfare+taxi	\$1409.81	\$300		\$109.81	\$500	\$500
Meals	\$109			\$109		
Event expenses						
Refreshments	\$83.67		\$83.67			
Totals	\$1702.48	\$300	\$183.67	\$218.81	\$500	\$500

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