

**MOU between the Resource Center for Science and Engineering
of the UPR Central Administration and the UPR Mayaguez Campus for the
Management and Implementation of the NSF-EPSCoR RII Track-1
Institute for Functional Nanomaterials (IFN) Award #1002410**

The Resource Center for Science and Engineering (RCSE) received the EPSCoR RII Track-1 award from NSF for the development of the Institute for Functional Nanomaterials (IFN) in the amount of \$20M from NSF and \$4M in UPR match to be spent in a period of five years.

The University of Puerto Rico Mayaguez Campus is one of the major participants in this grant. NSF and match funds to be spent at the Mayaguez Campus will be handled following NSF subaward procedures.

This MOU establishes the terms and conditions for the implementation and management of the yearly subawards that will be managed by the UPR Mayaguez Campus. There will be yearly subawards to the Mayaguez Campus. A subaward is defined by the budget page that stipulates the funds that can be used by the subawardee and the corresponding budget justification for that given year. The subawards will be done on a yearly basis, in accordance to the NSF approved proposal No. 1002410 and the Strategic Plan developed by the IFN Task Force through the Strategic Planning Session conducted on November 18-19, 2010.

Terms and Conditions:

- To initiate the subaward process, this MOU must be signed by the Chancellor of the UPR Mayaguez Campus and co-signed by the Director of the RCSE. The MOU will be valid for the five year duration of the EPSCoR RII Track-1 IFN Award #1002410.
- The Principal Investigator (PI) of the subawards will be **Dr. Arturo Hernandez-Maldonado**, professor of Chemical Engineering of the UPR Mayaguez Campus and member of the IFN Task Force, the governing body of the IFN Institute.
- Each subaward will become effective once the PI of the subaward and the Chancellor of the UPR Mayaguez Campus sign the subaward budget form page.
- The duration of the first subaward will be for eight months, ending on September 30, 2011. Subsequent subawards will be issued yearly, during the five year duration of the NSF-EPSCoR RII Track-1 award. Modifications to subsequent year subawards can result from the evaluation of the IFN governing body, the IFN Task Force that is responsible of ensuring that the award implements the Strategic Plan.

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- The subawardee is responsible of ensuring that NSF funds and the included institutional match of the subaward are managed in accordance to NSF Grant General Conditions (GC-1) and OMB A-21 circular, and UPR regulations, as applicable.
- The subawardee will ensure that all **allowable costs** charged to NSF and the institutional match are governed by NSF Grant General Conditions (GC-1) and OMB A-21 circular, and UPR regulations, as applicable. Charges made to the award that are not allowable, according to these regulations, will not be reimbursed to the subawardee.
- In order to receive NSF and match funds from the IFN grant award, the subawardee must submit invoices, showing all allowable expenses by budget line item included in the subaward budget page and consistent with the budget justification, before the subawardee can receive reimbursement for the expenses incurred in the project. The invoices should be made on a monthly basis and submitted in original and three copies to the following address:

Finance Office
Resource Center for Science and Engineering
University of Puerto Rico
P.O. Box 23334
San Juan, PR 00931-3334

All invoices must include evidence of all expenses.

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- The Resource Center will send reimbursement for expenses incurred in the subaward no later than 30 days after receiving the invoice and the accompanying evidence of all the expenses and after the IFN PI has certified satisfactory compliance with the subaward terms and conditions.
 - The number of **postdoctoral fellows** that this subaward will receive will depend on an open competition among all IFN institutions and subject to the IFN Strategic Plan and the multicampus IRGs needs. The final decision on this matter will be made by the IFN Task Force.
 - The number of **graduate fellows** that this subaward will receive will depend on an open competition among all IFN institutions and subject to the IFN Strategic Plan and the multicampus IRGs needs. The final decision on this matter will be made by the IFN Task Force.
 - The number of **Start-up Funds** that this subawardee can receive will be subject to an open competition that will undergo a strict peer review; and the final decision on the Start-ups adjudication will be made by the IFN Task Force. Thus, the amount of funding to be received by the subawardee for Start-up Funds will depend on this process.

- All equipment that is included in the subaward will need a certification from the subawardee that appropriate space and facilities are available for the installation and use of the equipment, including the maintenance and upkeep of the instrument, prior to disbursement of equipment funds. The equipment received through the subaward will be made available to all of the IFN researchers, irrespective of campus, and may be used by other researchers in the Campus that request its use, subject to time availability to be decided by the person in charge of the equipment. All equipment financed by NSF must be included in the institution's equipment inventory and clearly marked as federally-funded equipment.

This MOU is part of a complex multicampus and transdisciplinary Jurisdiction-wide EPSCoR project that has as its final goal the development of an Institute for Functional Nanomaterials that will make the Jurisdiction internationally competitive in nanoscience and nanotechnology. The signer of this MOU and the IFN professors within his jurisdiction agree to contribute to the Strategic Plan of the IFN and to the achievement of the Jurisdiction-wide EPSCoR goals.

Approved by:

Miguel A. Muñoz *mike*
 Dr. Miguel A. Muñoz-Muñoz
 Chancellor, UPR Mayaguez

2/3/2011
 Date

 Dr. Manuel Gómez, Director
 Resource Center for Science and Engineering
 University of Puerto Rico

 Date

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