



**Request for Applications  
Center for Natural Product Research  
WV-INBRE**

**Release date:** September 9, 2013  
**Due Date:** October 7, 2013  
**Award Date:** On or about October 30, 2013

**Funding Opportunity Description**

The Center for Natural Product Research of WV-INBRE is announcing a Request for Applications for WV-INBRE network investigators to conduct pilot research on projects related to the discovery and/or application of natural products to chemotherapy applications. These pilot projects can focus on discovery of potentially new chemotherapeutic agents, mechanistic studies to understand how newer chemotherapeutic agents produce their effects, combination chemotherapy utilizing natural products with other chemotherapeutic agents to increase effectiveness or reduce toxicity, and other related studies. Preference will be given to studies that focus on cancer chemotherapy, but meritorious antimicrobial chemotherapy directed studies will also be considered. The maximum budget for each application is \$25,000 direct costs. Funded projects will start on or about October 30, 2013 and end on April 30, 2014. The inclusion of undergraduate students as part of the personnel budget is encouraged. A maximum of five awards will be made.

**Eligibility**

All full time tenured or tenure-track faculty members from the primarily undergraduate institutions in the WV-INBRE network are eligible to apply. WV-INBRE network institutions are Alderson-Broaddus University, Bethany College, Bluefield State College, Concord University, Davis & Elkins College, Fairmont State University, Glenville State College, Shepherd University, University of Charleston, West Liberty University, West Virginia State University, West Virginia Wesleyan College and Wheeling Jesuit University.

**Limit on Number of Proposals**

There is no limit on the number of proposals an institution may submit.

**Application and Submission Information**

The purpose of these pilot grant awards is to allow investigators to gather preliminary data for NIH R15, RO1, RO3 and other investigator-initiated proposals, and expand natural products research within the WV-INBRE network.

**Allowable Costs**

Grant funds should primarily be used for salaries, supplies and travel. Equipment items under \$5,000 may also be included. Indirect costs are allowed. For applicants that do not currently have a sub-award agreement with Marshall University in place, indirect costs must be based upon the applicant's current indirect cost rate agreement with a cognizant federal agency. Indirect costs will not be allowed for

applicants without a rate agreement in place. For applicants who are current WV-INBRE subawardees, indirect cost rates must be based on the rate established at the time of the sub-award. Inquiries regarding allowable costs should be made to Gary Rankin, Ph.D. ([rankin@marshall.edu](mailto:rankin@marshall.edu)).

### **Application Format**

Applicants should use the most current PHS 398 form pages as directed below to prepare the application. These forms can be found at <http://grants.nih.gov/grants/funding/phs398/phs398.html>. Applications should be submitted as an MS-Word or PDF file using no smaller than 11 pt. Arial font. The application should be prepared in the following format:

1. Face page – completed form must be signed by business official.
2. Form Page 2 – project summary, relevance and performance site
3. Form Page 4 - Budget page (including a detailed budget justification)
4. Biographical Sketch
5. Specific aims; maximum of one page; use continuation page
6. Significant and Innovation, maximum one-half page
7. Approach (background, preliminary data if available, experimental design), maximum of three and one-half pages
8. Literature Cited – no page limit, but limited to recent, pertinent references
9. If animals are used, a vertebrate animal section (VAS) addressing the five points of animal usage must be included. If human subjects are included, then the human subjects protection section, inclusion of women, minorities and children section, and the targeted/planned enrollment tables must be included.
10. Checklist page

If the research involves human subjects or animals, awarded projects will not receive funds until IRB and/or IACUC approval (protocol number) has been received.

Applications will be reviewed by the Administrative Core and/or outside reviewers and the applications will be scored using the 1-9 NIH scale. The critiques and scores will be forwarded to the WV-INBRE External Advisory Committee for funding recommendations and to NIGMS for program review prior to the award of these grants.

Please submit applications by mail or FedEx/UPS to:

Gary O. Rankin, Ph.D.  
Department of Pharmacology, Physiology & Toxicology  
Joan C. Edwards School of Medicine, BBSC 435F  
Marshall University  
1700 Third Ave  
Huntington, WV 25755

Or via email to [rankin@marshall.edu](mailto:rankin@marshall.edu).

### **Deadline:**

**Applications should be received by Dr. Rankin no later than October 7, 2013 at 9 pm.**

### **Questions**

Any questions concerning the application process should be directed to Dr. Rankin at 304-696-7319 or via email at [rankin@marshall.edu](mailto:rankin@marshall.edu).