University of Montana
Research

Royce C. Engstrom
President, University of Montana
## Research in UM Affiliation

<table>
<thead>
<tr>
<th>Institution</th>
<th>Institutional Official</th>
<th>Total Research Expenditures</th>
<th>Federal Research Expenditures</th>
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</thead>
</table>
| UM - Missoula     | Scott Whittenburg  
                      Vice President for Research and Creative Scholarship | $60.2M*                     | $34.0M*                        |
| Montana Tech      | Bev Hartline  
                      Vice Chancellor for Research and Dean of the Graduate School | $11M*                       | $3.5M*                         |
| UM-Western        | Anneliese A. Ripley  
                      Interim Assistant Provost and Director of Research | $153k                       | $139k                          |
| Helena College    | Daniel Bingham  
                      Dean and CEO                                                   | $1.6M#                      | $1.6M#                         |

*NSF Higher Education Research and Development (HERD) Survey, 2013  
# TAAACCT Grant, FY2014
Total R&D FY2012

Montana $197M
Range of Research Activities

Individual Investigator - “Participant Protection in Rural America”, Ann Freeman Cook, Department of Psychology and Director, National Rural Bioethics Project, NIH/NHGRI, $744k, FY2010-2015

Education – “Bringing Research into the Classroom (BRIC): A PARTNERSHIP FOR RESEARCH AND EDUCATION IN THE MONTANA PUBLIC SCHOOLS.” Dr. Marisa Pedulla, Montana Tech Department of Biology, and Rayelynn Conole, director of Cfweo.org, NIH-SEPA, $1.25M, FY2014


Capacity Building – “Institute on Ecosystems”, Ray Callaway, PD, Ric Hauer (UM) and Kathy Whitlock (MSU) co-Directors, National Science Foundation EPSCoR Track 1, $20M (NSF portion), FY2011-2016
Steps in Obtaining & Managing a Research Award

1. Proposal Draft
2. ORSP Checklist
3. ORSP Pre-Award Check
4. Submission to Agency
5. Administrative Review
6. Peer Review
7. Negotiations
8. ORSP Post-Award
9. Implementation
10. ORSP Post-Award Closing
11. Annual Reports to Agency
12. Final Report to Agency
F&A or Indirect/Overhead Costs

• Facilities & Administration (F&A) costs - incurred for common or joint objectives and cannot be readily and specifically identified with a particular sponsored project

• The F&A rate is negotiated by the University every three to five years with the U.S. Department of Health and Human Services, Division of Cost Allocation.

• UM’s rates:
  • Federal Organized Research 45%,
  • Instruction 57%,
  • Other Sponsored Activities 33%
Follow the Money

UM-Missoula Research

General Fund $2.85M

- Instrumentation and Facilities $350k
- Research Administration $1.5M
- Centers and Institutes $1M

Grants and Contracts $60M

- Directs Costs $51.5M (Faculty, Post-docs, Graduate Students, Undergraduate Students, Equipment, Supplies, Travel)
- Indirect Costs $7.9M

- Research Laboratory Space and Buildings ($1.8M)
- Return to Centers, Institutes, EPScoR and COBRE ($1.3M)
- Return to Colleges/Schools and Departments ($2.5M)
- Office of Research and Creative Scholarship ($700k)
- Central Administration ($850k)
- Faculty Start-up, Cost Match, etc. ($750k)
UM-Missoula Economic Development

AIM GeoAnalytics
Bee Alert Technology
Purity Systems, Inc
Visual Learning Systems
Endobiologics
AquilaVision
TerraEchos
Astarna, Inc
Transsynaptic Technologies

GT NeuroPharma
Sinapis Pharma
Ateris Technologies LLC
Big Sky Biotechnologies, LLC
International Heart Institute of Montana
Montana Medical Research, LLC
Montana Microbial Products, LLC
Montana Neuroscience Institute Foundation
MorTan, Inc.