

---

[REDACTED]  
[REDACTED]

---

**Johnny MacLean, Ph.D.**

[REDACTED]  
[REDACTED]

---

## Education

### *Ph.D. – University of Montana, Geosciences*

- “Detrital zircon geochronologic provenance analyses that test and expand the east Siberia-west Laurentia Rodinia reconstruction.”
- Advisor: Dr. Jim Sears.

### *M.S. – Syracuse University, Earth Science*

- “New high precision single zircon U-Pb ages of several major intrusions in the Anti-Atlas mountain range, Morocco.”
- Advisor: Dr. Scott Samson.

### *B.S. – Furman University, Geology*

- “Paris Mountain project: Part 1, geology of Taylors 7.5-minute quadrangle, Greenville County, South Carolina.”
  - Advisor: Dr. Jack Garihan.
- 

## Positions Held

### *Higher Education*

- Provost & Vice Chancellor for Academic Affairs – University of Montana Western, Dillon, MT
- Associate Provost (Tenured) – Southern Utah University, Cedar City, UT
- Assistant Provost for Faculty Affairs – Southern Utah University, Cedar City, UT
- Provost Faculty Fellow – Southern Utah University, Cedar City, UT
- Associate Professor of Geology – Southern Utah University, Cedar City, UT
- Assistant Professor of Geology – Southern Utah University, Cedar City, UT

### *Industry*

- Geologist – ConocoPhillips, Houston, TX
  - Environmental Scientist – Morrison-Maierle, Inc., Missoula, MT
  - Earth Science Teacher – Western Alamance High School, Elon, NC
-



## University of Montana Western – Administrative Activities

### *Supervision over the Following Academic Divisions, Schools, and Centers:*

- Division of Arts, Humanities, and Social Sciences
- Division of Education
- Division of Mathematics and Natural Sciences
- Division of Professional Studies
- School of Outreach (Dual Enrollment, Road Scholar, Workforce Development, Community and Continuing Education)
- Center for Experiential Education
- UMW Fine Arts Gallery

### *Supervision over the Following Staff Offices:*

- Dean of Strategic Initiatives Office – Accreditation, 2-Year College, Grants Administration, Strategic Planning
- Dean of Students Office – Conduct, Student Government, Clery, Counseling Center, Student Wellness
- Enrollment Management – Registrar’s Office, Financial Aid, Admissions
- Information Technology Services – Cybersecurity, Web Development, Network Support, Hardware and Software Support
- Institutional Research – Data Analysis, Institutional Assessment, Reporting
- Lucy Carson Library and Learning Commons – Library, Learning Center, E-Learning
- Student Success – Disability Support Services, Academic Advising, MT10, TRIO, AIMA Council, Veterans Military Exchange, Multicultural Center

### *New Academic Programs*

- Sprint Degree in partnership with Great Falls College and Great Falls Public Schools
- Graduate Certificate in Teacher Education
- B.S. in Farm & Ranch Management
- B.S. in Natural Resource Science
- B.S. in Elementary Education (Addition of Online Delivery)
- A.A. in Art History
- A.A. in Visual Art - 2D
- Strength & Conditioning Minor
- Popular Culture Studies Minor
- Professional Communications Minor
- Environmental Communication Minor
- Project Management Certificate
- Digital Marketing Certificate
- Quickbooks Bookkeeping Certificate
- Farm & Ranch Specialist Area of Study
- Outdoor Industry Specialist Area of Study



### *Administrative Successes*

- Academic Affairs (in collaboration with faculty and staff)
  - Created formal Academic Portfolio Review
  - Created High Impact Practices Fellowship program for faculty
  - Created Center for Experiential Education
  - Wrote Academic Roadmap 2023-2027
  - Developed Montana Teacher Residency Program
  - Created formal opportunity for Team-Teaching
  - Created faculty incentive to create experiential online courses
  - Implemented the MUS Course Exchange
  - Led the UM-Affiliation's Academic Program Meetings
  - Created UMW Undergraduate Research Program funding opportunity for students
- Student Affairs (in collaboration with faculty and staff)
  - Implemented Montana 10
  - Created Student Affairs Safety Net program
  - Created Student Leadership Academy
  - Created Faculty Advising Best Practices
  - Created Best Practices for Student-Athletes regarding travel schedules
- Administrative Support (in collaboration with faculty and staff)
  - Transitioned to a new campus-wide Learning Management System (Canvas)
  - Transitioned to DAWGS-9
  - Launched Cayuse Grants Management Software Platform
  - Created full-time Office of Institutional Research
  - Partnered with Liaison, an enrollment management consultant

### *Community Service*

- Chair of Board of Directors – Beaverhead Animal Shelter
- Board Member – City/County Board of Health

---

## **Southern Utah University – Administrative Activities, Recognitions, & Service**

### *SUU Administrative Supervision Over the Following Offices*

- Sponsored Programs, Agreements, Research, and Partnerships (Grants Office)
- Center of Excellence for Teaching & Learning (CETL)
- Online Teaching & Learning (OTL)
- Dual Enrollment
- General Education Committee
- Institutional Review Board (IRB)
- APEX Events (campus-wide lecture series)
- Venture Program (student support program for low-income students)
- Festival of Excellence (annual campus-wide research symposium)



*SUU Administrative Activities*

- Executive Liaison for OPM Partnership with *Academic Partnerships*
- Research Integrity Officer
- General Education Committee – Chair
- Bachelor of Interdisciplinary Studies – Director
- Semester in the Parks Initiative – Academic Coordinator
- Center of Excellence for Teaching and Learning – Associate Director
- Title IX – Committee Member and Investigator
- First Year Experience Working Group – Committee Member
- Care and Support Team (CAST) – Co-Founder and Co-Chair

*SUU Recognitions*

- Tenure and Rank Advancement to SUU Associate Professor
- Professor of the Year 2015 – SUU Thunderbird Award
- SUU Faculty Award for Distinguished Service
- Outstanding Contributor to the SUU Honors Program
- SUU Gerald R. Sherratt Library Information Literacy Award
- Mental Health First Aid Certification
- Wilderness First Aid Certification

*SUU Service to the Academic Community*

- Utah Quaternary Fault Parameters Working Group Member – Utah Geological Survey
- UReCA Co-Founder and Faculty Editor – National Collegiate Honors Council Journal for Undergraduate Research and Creative Activity
- NCHC Partners in the Parks Committee Member
- NCHC Publications Board Member
- NCHC Student Interdisciplinary Research Panel Member

*SUU Community Service*

- Water Advisory Committee Member, Iron County
  - Presenter for the Governor’s Honors Academy in Zion and at Cedar Breaks
  - Voyager Mobile Science Lab co-instructor for local elementary students
  - Geology Field Trip Leader for high school students to Snow Canyon and Cedar Breaks
  - Geology Field Trip Leader for elementary school students to Snow Canyon
  - Energy Solutions Planning Committee
  - Science Jubilee for elementary school students
-

[REDACTED]  
[REDACTED]

## Publications in Peer-Reviewed Journals since 2006 (\*undergraduate student author)

- \*Holyoak, L.R. and **MacLean, J.S.**, 2019, Orientation of Paleostress of Raplee Ridge Anticline. The Compass: Earth Science Journal of Sigma Gamma Epsilon: Vol. 90: Iss. 1, Article 2.
- Grant, J.B., and **MacLean, J.S.**, 2018, Semester in the Parks: Engaging Students with Common Intellectual Experiences. Journal on Empowering Teaching Excellence: Vol. 2: Iss. 1, p. 53-65.
- MacLean, J.S.**, and Sears, J.W. (editors), 2016, Belt Basin: Window to Mesoproterozoic Earth. Geological Society of America Special Publication 522, 384 p.
- MacLean, J.S.**, and Sears, J.W., 2016, Introduction, in **MacLean, J.S.**, and Sears, J.W. (editors), Belt Basin: Window to Mesoproterozoic Earth. Geological Society of America Special Publication 522, p. ix-xi.
- MacLean, J.S.**, White, B.J., and Schmidt, A., 2016, The Unexpected Wilderness of Sequoia National Park, in Heather Thiessen-Reily and Joan Digby (editors), *Partners in the Parks: Field Guide to an Experiential Program in the National Parks*. 2nd Edition. Lincoln: National Collegiate Honors Council, p. 147-158. NCHC Monograph Series.
- Sears, J.W., and **MacLean, J.S.**, 2016, Dedication, in **MacLean, J.S.**, and Sears, J.W. (editors), Belt Basin: Window to Mesoproterozoic Earth. Geological Society of America Special Publication 522, p. v-viii.
- Sears, J.W., **MacLean, J.S.**, and Parker, S.D., 2016, Transect across the northeastern margin of the Mesoproterozoic Belt Basin and Lewis thrust, Glacier National Park, Montana, in Keller, S.M., and Morgan, M.L., eds., *Unfolding the Geology of the West: Geological Society of America Field Guide 44*, p. 231-245.
- \*Brunsvik, B., \*Gale, C., \*Cope, M., \*Petersen, J., \*Zdanowski, S., \*White, C., \*Robertson, W., \*Kupfer, K., \*McConkie, S., \*McDermaid, S., \*Bruckner, A., \*Yon, J.C.E., Kaiser, J.F., and **MacLean, J.S.**, 2016, Field and petrographic analysis of the Indian Peak-Caliente caldera complex at Condor and English canyons in eastern Nevada: The Compass: Earth Science Journal of Sigma Gamma Epsilon: Vol. 87: Iss. 4, Article 1, p. 121-141.
- \*Cleveland, C., \*Garrard, R.M., \*McLemore, D.M., \*Yon, J.C.E., \*Kidman, G.C., and **MacLean, J.S.**, 2015, Strain Accommodation in the Footwall of the Rubys Inn Thrust Fault, Hillsdale Canyon, Southern Utah: The Compass: Earth Science Journal of Sigma Gamma Epsilon: Vol. 86: Iss. 4, Article 2, p. 102-117.
- \*Cleveland, C.E., Hildebrand, T.J., **MacLean, J.S.**, and Hargrave, J.E., 2015, Insights into the Late Quaternary Paleoenvironment of Northwestern Arizona: The Southwestern Naturalist, vol. 60, no. 1, p. 15-20.
- \*Francisco, S, and **MacLean, J.S.**, 2014, Five Tectonic Settings in Five National Parks and Forests: A Field Camp Experience: *The Compass: Earth Science Journal of Sigma Gamma Epsilon*: Vol. 86: Iss. 2, Article 2, p. 53-68.
- \*Kidman, G., **MacLean, J.S.**, and Maxwell, D., 2014, Evidence of Large-Scale Tectonic Processes on the Tharsis Rise, Mars: *The Compass: Earth Science Journal of Sigma Gamma Epsilon*: Vol. 86: Iss. 2, Article 1, p. 36-52.
- Khudoley, A., Chamberlain, K, Ershova, V., Sears, J., Prokopiev, A., **MacLean, J.**, Kazakova, G., Malyshev, S., Molchanov, A., Kullerud, K., Toro, J., Milller, E., Veselovskiy, R., Li, A., and Chipley, D., 2015, Proterozoic supercontinental restorations: constraints from provenance studies of Mesoproterozoic to Cambrian clastic rocks, eastern Siberian Craton: *Precambrian Research*, vol. 259, p. 78-94.

- [REDACTED]  
[REDACTED]
- MacLean, J.S.**, 2014, Reactivation of conjugate fractures in the Claron Formation near Bryce Canyon National Park, Utah, *in* MacLean, J.S., Biek, R.F., and Huntoon, J.E., editors, *Geology of Utah's Far South: Utah Geological Association Publication 43*, p. 639–650.
- MacLean, J.S.**, Biek, R.F., and Huntoon, J.E., editors, 2014, *Geology of Utah's Far South: Utah Geological Association Publication 43*, 878 p.
- MacLean, J.S.**, and White, B.J., 2013, Assessing Rigor in Experiential Education: A Working Model from Partners in the Parks: *Journal of the National Collegiate Honors Council*, vol. 14, no. 1, p. 101-108.
- \*May, Skyler B.; \*Leavitt, Roger E.; and **MacLean, J.S.**, 2012, Extent and mechanism of footwall shear adjacent to the Ruby's Inn Thrust Fault, Southern Utah. *The Compass: Earth Science Journal of Sigma Gamma Epsilon*, vol. 84: iss. 1, article 5.
- MacLean, J.**, Sears, J. W., Chamberlain, K.C., Khudoley, A K, and Prokopiev, A. V., 2009, Detrital zircon geochronology of Proterozoic strata from southeastern Siberia and southwestern North America: Testing proposed paleogeographic connections, *in* Stone, D., editors, *Geology and Tectonic Origins of Northeast Russia: A Tribute to Leonid Parfenov: Stephan-Mueller series*, European Geophysical Union.
- Sears, J.W., Khudoley, A.K., Prokopiev, A.V., Chamberlain, K.R., and **MacLean, J.S.**, 2006, Lithostratigraphic comparison of Meso- and Neoproterozoic strata between SE Siberia and SW Laurentia, *in* Stone, D.B, editors., *Origin of Northeastern Russia: Paleomagnetism, Geology, & Tectonics*, Geophysical Institute Report UAG-R-330 (CD publication), University of Alaska, Fairbanks AK 99775-7320 USA.
- 

### **Presentations at National Conferences since 2010** (\*undergraduate student author)

- Barney, S., and **MacLean, J.S.**, 2018, Mission Impossible: Align a traditional faculty evaluation, promotion, and tenure policy with a student-centered, experiential learning mission: Experiential Learning Leadership Institute, Flagstaff, Arizona, Abstracts with Programs.
- Bash, J.L., Hill, C., Johnson, K., and **MacLean, J.S.**, 2018, Responding to Tragedy: A University's Grassroots Response to Mental Health Crises: NASPA Mental Health Conference, Portland, Oregon, Abstracts with Programs.
- Atwill, B., Bash, J., King, K., **MacLean, J.S.**, McIntyre, C., and Whitt, D., 2017, NCHC Partners in the Parks: National Collegiate Honors Council Abstracts with Programs, vol. 52.
- Bash, J.L., and **MacLean, J.S.**, 2017, SUU's Care and Support Team: Building a community of support for students in emotional distress: Utah Campus Compact Engaged Faculty Retreat, Moab, Utah, Abstracts with Programs.
- \*Deane, C., \*Freeman, J., Helms, R., **MacLean, J.S.**, \*Starr, Z., and \*McPherson, G., 2018, Learning through Doing: NCHC Student Publishing with UReCA: National Collegiate Honors Council Abstracts with Programs, vol. 52.
- \*Smith, Z.D., Rowley, P.D., Maxwell, D.J., Butler, C., **MacLean, J.S.**, 2017, Groundwater flow interactions between Basin and Range faults and the Markagunt gravity slide: implications for the Panguitch municipal watershed, southwest Utah: Geological Society of America Abstracts with Programs, vol. 49, no. 6.

- [REDACTED]
- [REDACTED]
- \*Cope, M., and **MacLean, J.S.**, 2016, Bryce Canyon's virtual EDGE: an online field-guide to Bryce Canyon National Park via SUU's EDGE Program: Geological Society of America Abstracts with Programs, vol. 48, no. 7.
- MacLean, J.S.**, 2016, A semester in the parks at Southern Utah University: Geological Society of America Abstracts with Programs, vol. 48, no. 7.
- MacLean, J.S.**, and Corser, G., 2016, Bryce Canyon Connections: A 2-week learning opportunity for incoming honors freshmen: National Collegiate Honors Council Abstracts with Programs, vol. 51.
- MacLean, J.S.**, and Sears, J.W., 2016, Grenville foreland basin links Siberia-West Laurentia Paleocontinental connection: Geological Society of America Abstracts with Programs, vol. 48, no. 7.
- Sears, J.W., and **MacLean, J.S.**, 2016, Siberia-west Laurentia paleocontinental connection: constraints from Mesoproterozoic cratonic basins: Geological Society of America Abstracts with Programs, vol. 48, no. 7.
- \*Zdanowski, S., and **MacLean, J.S.**, 2016, Lithological and structural analyses of clastic dikes within the Indian Peak-Caliente Caldera Complex: Geological Society of America Abstracts with Programs, vol. 48, no. 7.
- \*Christensen, P.D., and **MacLean, J.S.**, 2015, Integrating tectonic processes with structural geology, sedimentology, and environmental geology using a deformation sandbox model: Geological Society of America Abstracts with Programs, vol. 47, no. 7.
- Kaiser, J.F., Hogan, J., **MacLean, J.S.**, Hargrave, J.E., 2015, Using student-led field trips to create active learning environments and validate student interpretations: Geological Society of America Abstracts with Programs, vol. 47, no. 7.
- \*Kidman, G.C., and **MacLean, J.S.**, 2015, New kinematic model of the southern Utah Virgin anticline through new 3-D stereoscopic and traditional field methods: Geological Society of America Abstracts with Programs, vol. 47, no. 7.
- \*Kupfer, K.L., \*Zdanowski, S.E., and **MacLean, J.S.**, 2015, Citizen science in Cedar Breaks National Monument: Geological Society of America Abstracts with Programs, vol. 47, no. 7.
- MacLean, J.S.**, 2015, Course objective: complete and publish research: Geological Society of America Abstracts with Programs, vol. 47, no. 7.
- \*Yon, J.C.E., **MacLean, J.S.**, 2015, Channel evolution of the lower San Juan River, SE Utah: Geological Society of America Abstracts with Programs, vol. 47, no. 7.
- Bash, J., **MacLean, J.S.**, and \*Tobler, R., 2014, Reflection and assessment: evaluating the honors contract experience: National Collegiate Honors Council Abstracts with Programs, vol. 49.
- Eastep, B.T., and **MacLean, J.S.**, 2014, Defining academic rigor in experiential education: and expedition in assessment: National Society for Experiential Education Abstracts with Programs, vol. 43.
- MacLean, J.S.**, and Green, M., 2014, Mapping three generations of fractures in Bryce Canyon National Park: a Geocorps™ America Internship: Geological Society of America Abstracts with Programs, vol. 46, no. 6.
- MacLean, J.S.**, and White, B.J., 2014, Citizen science and the role of service learning in experiential education: National Collegiate Honors Council Abstracts with Programs, vol. 49.
- \*Skankey, R., and **MacLean, J.S.**, 2014, Porosity analysis of deformation bands in sandstones and conglomerates from Hillsdale Canyon, southern Utah: Geological Society of America Abstracts with Programs, vol. 46, no. 6.

- [REDACTED]
- [REDACTED]
- \*Chipman, J., **MacLean, J.S.**, 2013, An introductory student's perspectives on a geology field trip to the Book Cliffs of Utah: Geological Society of America Abstracts with Programs, vol. 45, no. 7, p. 873.
  - \*Cleveland, C., 2013, Tufa Insights into Late Quaternary Paleoenvironment of Northwestern Arizona: National Council on Undergraduate Research Abstracts with Programs, April 11-13. Mentors: Hildebrand, T., Hargrave, J., **MacLean, J.S.**
  - \*Cleveland, C., Hildebrand, T., **MacLean, J.S.**, Hargrave, J., 2013, Insights into Late Quaternary Paleoenvironment of Northwestern Arizona: Botany Society of America Abstracts with Programs, July 27-31.
  - \*Dayton, C.E., **MacLean, J.S.**, 2013, Hydrothermal mineralization of the Jurassic Navajo Sandstone in the footwall of the Blue Mountain thrust fault, southwestern Utah: Geological Society of America Abstracts with Programs, vol. 45, no. 7, p. 588.
  - \*Francisco, S., **MacLean, J.S.**, Hofmann, M.H., 2013, Interpreting sedimentary facies and facies associations from a 1500-ft long, behind outcrop core through upper Cretaceous strata in SE Utah: Geological Society of America Abstracts with Programs, vol. 45, no. 7, p. 587.
  - \*Gardner, C., **MacLean, J.S.**, 2013, Geologic mapping of fracture density and mineralization in the San Francisco Range, southwestern Utah: Geological Society of America Abstracts with Programs, vol. 45, no. 7, p. 588.
  - \*Kidman, G., \*Skankey, R., **MacLean, J.S.**, 2013, Martian plate motions in the vicinity of Valles Marineris and Tharsis Rise: Geological Society of America Abstracts with Programs, vol. 45, no. 7, p. 587.
  - MacLean, J.S.**, 2013, Reactivation of conjugate faults in the footwall of Bryce Canyon's Rubys Inn thrust fault: Geological Society of America Abstracts with Programs, vol. 45, no. 7, p. 65.
  - White, B.J., **MacLean, J.S.**, 2013, What is Wilderness? Assessing the Place as Text concept in a Partners in the Parks adventure: National Collegiate Honors Council Conference Programs with Abstracts, p. 97.
  - \*deGraffenried, S., 2012, Hydrologic Analysis of Ashdown Creek and Shooting Star Creek: National Council on Undergraduate Research Abstracts with Programs, March 29-31. Mentor: **MacLean, J.S.**
  - \*Doty, S, 2012, Natural Disasters and the Media: Past, Present and Future: Western Regional Honors Council Conference Abstracts with Programs, April 12-14. Mentor: **MacLean, J.S.**
  - \*Lewin, J., 2012, Ground-shaking Implications on the Mysterious Racetrack Playa, Death Valley, CA: National Council on Undergraduate Research Abstracts with Programs, March 29-31. Mentor: **MacLean, J.S.**
  - MacLean, J.S.**, 2012, Geology Field Camp in Southern Utah's National Parks: Geological Society of America Abstracts with Programs, v. 44, 7.
  - MacLean, J.S.**, White, B.J., 2012, Honors and the National Parks: Assessing the Academic Rigor of Experiential Education: National Collegiate Honors Council Annual Conference, November 14-18.
  - \*Webb, C., 2012, Stratigraphy of Ordovician Sedimentary Rocks in the Confusion Range, UT: National Council on Undergraduate Research Abstracts with Programs, March 29-31. Mentor: **MacLean, J.S.**
  - \*Leavitt, R.E., \*May, S.B., **MacLean, J.S.**, 2011, Preliminary field investigation into the relationship between hoodoo formation and footwall shearing of the Ruby's Inn Thrust Fault, Bryce Canyon, Utah: Geological Society of America Abstracts with Programs, v. 42, 5.
  - MacLean, J.S.**, 2011, A trisected environmental geology course: Geological Society of America Abstracts with Programs, v. 43, 5.



- [REDACTED]
- [REDACTED]
- \*May, S.B., \*Leavitt, R.E., **MacLean, J.S.**, 2011, Extent of footwall shear adjacent to the Ruby's Inn Thrust Fault, southern Utah: Geological Society of America Abstracts with Programs, v. 42, 5.
- Nickerson, M., Petersen, T., **MacLean, J.S.**, 2011, The Wild Metropolis: Partners in the Parks, Experiential Education, and the Honors Paradigm: National Collegiate Honors Council Annual Conference, October 19-23.
- \*Richards, K., **MacLean, J.S.**, 2011, Two phases of contractional deformation in the Carmel Formation, Cedar City, Utah: Geological Society of America Abstracts with Programs, v. 42, 5.
- MacLean, J.S.**, Sears, J.W., Chamberlain, K.R., 2010, SHRIMP and LAICPMS detrital zircon geochronology of Mesoproterozoic to early Cambrian samples from SE Siberia and SW Laurentia; implications for Rodinia reconstruction: Geological Society of America Abstracts with Programs, v. 42, 5.