



## 2022 TRAILS TO RESEARCH COURSE APPLICATION FORM

INTRODUCTION TO RESEARCH COURSE AT MSU BOZEMAN

**CHRISTA MERZDORF AND JENNIFER FORECKI**  
MONTANA STATE UNIVERSITY, BOZEMAN, MT 59717

**Course dates: June 2022, Dates TBA**

**DEADLINE: May 1, 2022**

In this introduction to research course at Montana State University Bozeman, you will learn how to plan and communicate scientific research – and you will conduct your own research project. The course will cover basic laboratory practices, the scientific method, and you will learn important laboratory and microscopy skills. The course will meet Monday-Friday from 9 am to 5 pm. Please arrive on Sunday to be ready to attend class the next morning. Food and lodging in the MSU dorms will be covered and gas money will be reimbursed. Upon completion of the course, you will receive a stipend. You will be able to experience life on the MSU campus, including visits with advisers, admissions, and financial aid.

Please contact Christa Merzdorf or Jennifer Forecki with questions. The tribal college coordinators will also be able to answer some of your questions.

Please submit this application and a photocopy of your current transcript(s). Return application packet to Christa Merzdorf or Jennifer Forecki by mail or a scanned version by e-mail (your college should be able to help you mail or scan). Please avoid e-mailing photographs of your application.

### **Christa Merzdorf and Jennifer Forecki:**

529 LEON JOHNSON HALL  
MONTANA STATE UNIVERSITY, BOZEMAN, MT 59717  
Jen Forecki: [jforecki@gmail.com](mailto:jforecki@gmail.com)  
Christa Merzdorf: [merzdorf@montana.edu](mailto:merzdorf@montana.edu)  
Phone: 406-994-5645

Aaniih Nakoda College: Chelsea Morales  
Blackfeet College: Noel Stewart  
Chief Dull Knife College: Dale DeCock  
Ft Peck College: Steve Coon  
Little Big Horn College: Sara Plaggemeyer  
Salish Kootenai College: Christina Rush  
Stone Child College: George Belcourt

### **Tribal College Coordinators:**

- Name: \_\_\_\_\_  
(First) (Last) (Middle)
- Birthdate: \_\_\_\_\_
- Female  Male
- Tribal Affiliation: \_\_\_\_\_
- Permanent Address: \_\_\_\_\_  
(Street / PO Box) (City, State) (Zip)
- Phone Number (Include Area Code): \_\_\_\_\_
- Please provide an additional reliable phone number(s):  
HOME \_\_\_\_\_ CELL \_\_\_\_\_
- Email address: \_\_\_\_\_ Please provide your most reliable email.  
Please provide an alternate e-mail address: \_\_\_\_\_
- Tribal College: \_\_\_\_\_
- Major: \_\_\_\_\_
- Date of your expected graduation from Tribal College: \_\_\_\_\_
- Four-year university you plan to attend: \_\_\_\_\_
- Intended major at four-year university: \_\_\_\_\_



**2022 APPLICATION FORM (Page 2)**  
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13. Do you have a physical disability that needs to be accommodated while you visit MSU?    yes    no  
If yes, you will be contacted and the appropriate accommodations will be made.

14. Housing: Housing will be in the MSU dorms from Sunday until the next Saturday. It is not possible to provide family housing for one week. Thus, please expect to make your own arrangements for your children back home (or in Bozeman, should you have family or friends).

I am able to come on my own and will stay in the dorms.            yes    no

I am able to provide my own housing (you will receive travel money and a food allowance)    yes    no

**15. MSU REQUIRED SAFETY & SECURITY INFORMATION** *(All applicants must complete this section.)*

**1.** Have you ever been convicted of a **felony** (please include instances of deferred sentencing)?

Yes  No

*A felony in Montana State law is defined as a crime for which more than one year in prison may be imposed.*

**2.** Have you ever been subjected to court-ordered confinement for threatening or causing physical or emotional injury to persons or property?  Yes  No

**3.** Have you ever been disciplined, suspended from, or placed on probation at any educational institution for nonacademic reasons?  Yes  No

*Suspension is defined as a sanction imposed for disciplinary reasons that results in a student leaving school for a specified time period. Dismissal from a college for disciplinary reasons is defined as permanent separation from an institution of higher education on the basis of conduct or behavior.*

**4.** Have you ever been required to register as a sexual or violent offender?  Yes  No

**NOTE:** Answering “Yes” to any of these questions will not automatically prevent admission, but you will be asked by the university to provide additional information. This information will be reviewed by a campus committee to ensure campus safety. Any falsification or omission of data may result in a denial of admission or dismissal.

16. What is your general area of interest?

- |  |   |
|--|---|
| <input type="checkbox"/> Agriculture           | <input type="checkbox"/> Cell Biology and Neuroscience    |
| <input type="checkbox"/> Engineering           | <input type="checkbox"/> Microbiology                     |
| <input type="checkbox"/> Environmental Science | <input type="checkbox"/> Immunology & Infectious Diseases |
| <input type="checkbox"/> Natural Resources     | <input type="checkbox"/> Fish & Wildlife                  |
| <input type="checkbox"/> Biology               | <input type="checkbox"/> Biofilm Engineering              |
| <input type="checkbox"/> Community Health      | <input type="checkbox"/> Nursing                          |
| <input type="checkbox"/> Psychology            | <input type="checkbox"/> Other: _____                     |



**2022 APPLICATION FORM (Page 3)**  
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17. Please check the offices you would like to visit while at MSU (you may check as many as you like):

- |  |   |
|--|---|
| <input type="checkbox"/> Advisor specific to your major of interest<br>Please state major: _____ | <input type="checkbox"/> Graduate admissions        |
| <input type="checkbox"/> Pre-vet advisor   | <input type="checkbox"/> Health professions advisor |
| <input type="checkbox"/> Financial aid   | <input type="checkbox"/> Veteran's services         |
|  | <input type="checkbox"/> Undergraduate admissions   |
|  | <input type="checkbox"/> Disability services        |

18. **There is a NO cell phone policy for this course**, when we are in the lab we will limit the use of cell phone to the afternoon of day 2 to act as a calculator. During the remainder of the course due to chemicals and liquids, cellphones must be put away in bags and pockets until we finish for the day at 5 PM.





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20. As part of this course you will be studying the development of zebrafish embryos as a **model for human health** and also as an **indicator of environmental health** (an embryo is a developing organism after fertilization. A human embryo develops into a fetus.)

Substances in the environment affect the development of animals and humans alike. When a woman is pregnant, the substances she consumes and comes in contact with can affect human development. Since we cannot treat and observe human embryos, we will use zebrafish embryos instead and observe the effects of treatments of your choice on their development.

Thus, we ask you to provide us with a few ideas for treatments of the zebrafish embryos. In the space below, please list some ideas of any substances you would be interested in testing, whether they affect the development of embryos.

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21. Submit a photocopy of your transcript(s) (can be unofficial) from the college you are attending.
22. Your application packet must be completed and submitted to Jennifer Forecki or Christa Merzdorf (see address at the top) by mail or a scanned version by e-mail (your college should be able to help you mail or scan). Please avoid e-mailing photographs of your application.
23. Please call 406-994-5645 or send an email to Jennifer Forecki [jforecki@gmail.com](mailto:jforecki@gmail.com) or Christa Merzdorf at [merzdorf@montana.edu](mailto:merzdorf@montana.edu) if you have any questions about the course or the application.