

STUDENT ACHIEVEMENT CONFERENCE 2022



BEMIDJI
STATE UNIVERSITY

**CREATE,
INNOVATE,
INSPIRE!**



APRIL 6, 2022 • BEMIDJI STATE UNIVERSITY



MINNESOTA STATE

2022 STUDENT ACHIEVEMENT CONFERENCE

Opening Ceremony – April 6, 2022, 10-11 a.m.

<https://minnstate.zoom.us/j/91793831022>

- Bemidji State University's Land Acknowledgement
- Drum Circle: Ojibwe Nation Drum Group-Rodney Johnson
- Welcome - Dr. Faith Hensrud, President
- 2022 Student Achievement Conference Poem "The Artist's Sea" by Gordon Hess
Read by Gordon Hess
- Vocal Performance "Mon coeur s'ouvre à ta voix" from the opera Samson and Delilah
Performed by Emily Bergerson Accompanied: Eric Gustafson
- 2022 Student Achievement Conference Video
Created by BSU's Office of Communications & Marketing
- Keynote speaker: Dick Beardsley
Introduction by Travis Ricks, 2022 Student Achievement Conference Co-Director
- Closing Remarks

APRIL 5 – LEADERSHIP PANEL DISCUSSION

Gathering Room, American Indian Resource Center

5-7 p.m.

Co-Sponsored by BSU's Leadership Studies Program & Student Achievement Conference

APRIL 6 – 2022 STUDENT ACHIEVEMENT CONFERENCE: CREATE, INNOVATE, INSPIRE

10-11 a.m. Opening Ceremony, Beaux Arts Ballroom

Keynote Speaker: Dick Beardsley

11-12:15 pm Oral Presentations, Hagg-Sauer Hall

12-1:00 pm Lunch Break

Fry Bread Taco Sale, AIRC

1-2:00 pm In-Person Poster Presentations, Memorial Hall 2nd Floor

2-3:15 pm Oral Presentations, Hagg-Sauer Hall

3-4:00 pm Online Poster Presentations, GatherTown*



KEYNOTE SPEAKER

DICK BEARDSLEY

Dick Beardsley is a best selling co-author and champion - in running and in life. Although his competitive running career as an elite athlete ended in 1988, Dick is still one of the top American distance runners of all time, reflected with a time of 2:08:53 in the 1982 Boston Marathon. Best known for his 1982 Boston Marathon "Duel in the Sun" with Alberto Salazar, Dick is also a two-time Olympic Trials Marathon qualifier. He is a two-time winner of the Grandma's Marathon in Duluth, Minnesota, with a time of winning 2:09:36 and co-winner of the 1981 London Marathon, with a time of 2:11:48. Dick is also the course record holder for the Napa Valley Marathon, with a winning time of 2:16:20 in 1987.



But Dick is more than a running champion. He is a fighter. After a series of near-fatal accidents and a journey of self-discovery, Dick has turned his life around and is enjoying life to its fullest.

Dick Beardsley is a compelling keynote motivational and inspirational speaker. He has shared his story with students of all ages and Fortune 500 companies; with non-profit organizations, conferences, conventions, corporate events, fundraisers, galas, sporting events, prisons and drug treatment centers. The response is always the same. Dick Beardsley has made a difference in the lives of people from all walks of life. For a brief moment during the 1982 Boston Marathon, Dick became the most famous athlete in the world - by losing the race.

That was the beginning of a lifetime of extreme highs and devastating lows. After he retired from competitive running, a series of near-fatal accidents left him physically broken. In November of 1989, while using an auger to lift corn into a bin on his Minnesota farm, Dick became entangled in the machine; it began to literally tear him apart. Dick was not expected to live or walk—much less ever run again—but through hard work and dedication he survived.

During the next few years, Dick was involved in a severe car accident, later he was hit by a truck while running, later still, he rolled his vehicle in a snowstorm. If that wasn't enough, while hiking one day the ground gave way and he fell from a cliff. Each time he ended up in the hospital with multiple surgeries and each time the doctors were able to put him back together, giving him another chance at life.

These injuries, understandably, took their toll on Dick's body. He would go from doctor to doctor obtaining pain killers, ultimately forging his own prescriptions. Dick found himself spiraling out of control and addicted to prescription narcotics. It wasn't easy, but he faced those challenges with faith, hope, and perseverance. He redeemed himself. He found the strength to go on, only to be faced with the greatest challenge of his life. Dick's son, Andy, died by suicide. Andy was a victim of PTSD due to his time spent serving our country during the Iraq war.



ORAL PRESENTATIONS

TIME

Use Zoom Link listed with the presentation

Room: HSH 108
Time: 11:00 to 11:15 AM
Zoom Link: <https://minnstate.zoom.us/j/95708461680>
Passcode: HSH108-1
Facilitator: Kristina Cirks
Title: The Practical Ice House
Presenters: Mason Moland, Darren Roth, Colton Hinrichs
Sponsor: Mahmoud Al-Odeh

Room: HSH 108
Time: 11:20 to 11:35 AM
Zoom Link: <https://minnstate.zoom.us/j/95708461680>
Passcode: HSH108-1
Facilitator: Kristina Cirks
Title: Time Study to Improve Operations
Presenter: Luke Medved, Isaiah Nolte, Jacob Hansen, Phillip Johnson
Sponsor: Mahmoud Al-Odeh

Room: HSH 108
Time: 11:40 to 11:55 AM
Zoom Link: <https://minnstate.zoom.us/j/95708461680>
Passcode: HSH108-1
Facilitator: Kristina Cirks
Title: Bemidji Housing Complex Project
Presenter: Johnathon Brisk, Carter Teff, Lleyten Pettit, Oliver Deusterman
Sponsor: Mahmoud Al-Odeh

Room: HSH 108
Time: 12:00 to 12:15 PM
Zoom Link: <https://minnstate.zoom.us/j/95708461680>
Passcode: HSH108-1
Facilitator: Kristina Cirks
Title: Student Achievement Conference Presentation
Presenter: Matthew Martindale, Ethan Tobako
Sponsor: Mahmoud Al-Odeh

Room: HSH 108
Time: 2:00 to 2:15 PM
Zoom Link: <https://minnstate.zoom.us/j/99777588079>
Passcode: HSH108-2
Facilitator: Heidi Hansen
Title: Buying and Reselling Houses Feasibility Study Proposal
Presenters: Matthew Huffman, Nik Hosier, DJ McCrea
Sponsor: Mahmoud Al-Odeh



ORAL PRESENTATIONS

TIME

Use Zoom Link listed with the presentation

Room: HSH 108
Time: 2:20 to 2:35 PM
Zoom Link: <https://minnstate.zoom.us/j/99777588079>
Passcode: HSH108-2
Facilitator: Heidi Hansen
Title: Beaver Den Ice Rentals
Presenters: Griffin Miller, Owen Balk, Brandon Miller
Sponsor: Mahmoud Al-Odeh

Room: HSH 108
Time: 2:40 PM 2:55 PM
Zoom Link: <https://minnstate.zoom.us/j/99777588079>
Passcode: HSH108-2
Facilitator: Heidi Hansen
Title: Time Study
Presenters: Brandon Miller, Hannes Gall, Carter Teff, Lindgren Carl
Sponsor: Mahmoud Al-Odeh

Room: HSH 108
Time: 3:00 PM 3:15 PM
Zoom Link: <https://minnstate.zoom.us/j/99777588079>
Passcode: HSH108-2
Facilitator: Heidi Hansen
Title: The Importance of Feasibility studies And What Makes A Business Succeed
Presenters: Josh Wright, Reyna Rivera, Conner Volk, Pruden Matt
Sponsor: Mahmoud Al-Odeh

Room: HSH 109
Time: 11:00 to 11:15 AM
Zoom Link: <https://minnstate.zoom.us/j/99018524591?pwd=dll3VmxQTVBvYndreG40QmUzeUpuUT09>
Passcode: HSH109-1
Facilitator: Katie Peterson
Title: Patriotism, Polarization and War: The Consequences of Divergent Meanings of Patriotism in Russia and the United States.
Presenter: Jackson Galstad
Sponsor: Patrick Donnay

Room: HSH 109
Time: 11:20 to 11:35 AM
Zoom Link: <https://minnstate.zoom.us/j/99018524591?pwd=dll3VmxQTVBvYndreG40QmUzeUpuUT09>
Passcode: HSH109-1
Facilitator: Katie Peterson
Title: Do voter ID requirements impact voter turnout in Minnesota and Wisconsin?
Presenter: Jacob Berg
Sponsor: Patrick Donnay



ORAL PRESENTATIONS

Use Zoom Link listed with the presentation

Room: HSH 109

Time: 11:40 to 11:55 AM

Zoom Link: <https://minnstate.zoom.us/j/99018524591?pwd=dll3VmxQTVBvYndreG40QmUzeUpuUT09>

Passcode: HSH109-1

Facilitator: Katie Peterson

Title: Tribal Identity and The Rise of the American Indian/Alaskan Native Population

Presenter: Angel Stevens

Sponsor: Patrick Donnay

Room: HSH 109

Time: 12:00 to 12:15 PM

Zoom Link: <https://minnstate.zoom.us/j/99018524591?pwd=dll3VmxQTVBvYndreG40QmUzeUpuUT09>

Passcode: HSH109-1

Facilitator: Katie Peterson

Title: Has there been another "Ferguson Effect"?

Presenter: Megan Majewski

Sponsor: Patrick Donnay

Room: HSH 109

Time: 2:00 to 2:15 PM

Zoom Link: <https://minnstate.zoom.us/j/93763266710>

Passcode: HSH109-2

Facilitator: Todd Frauenholtz

Title: How Intersectionality and Women in State Legislatures Impact Bill Success

Presenters: Maggie Lowrey

Sponsor: Patrick Donnay

Room: HSH 109

Time: 2:20 to 2:35 PM

Zoom Link: <https://minnstate.zoom.us/j/93763266710>

Passcode: HSH109-2

Facilitator: Todd Frauenholtz

Title: Sharp Hound: Murder Unraveled

Presenters: Alyson Sveeggen

Sponsor: Larry Swain

Room: HSH 109

Time: 2:40 to 2:55 PM

Zoom Link: <https://minnstate.zoom.us/j/93763266710>

Passcode: HSH109-2

Facilitator: Todd Frauenholtz

Title: Bourgeois Revolution

Presenters: Tristan Cofer

Sponsor: Lindsay Bell

Room: HSH 116



ORAL PRESENTATIONS

Use Zoom Link listed with the presentation

Time: 11:00 to 11:15 AM

Zoom Link: <https://minnstate.zoom.us/j/94844574391>

Passcode: HSH116-1

Facilitator: Kjerstin Owens

Title: Bacteriophage interaction with *Pseudomonas aeruginosa* biofilms

Presenter: Zachary Konsor, Rebecca Greika

Sponsor: Holly LaFerriere

Room: HSH 116

Time: 11:20 to 11:35 AM

Zoom Link: <https://minnstate.zoom.us/j/94844574391>

Passcode: HSH116-1

Facilitator: Kjerstin Owens

Title: Utilizing Design Tools to Engage and Educate Lakeshore Owners on How Human Activity Effects Surface and Groundwater Quality

Presenter: Elizabeth Marti, Avary Anderson

Sponsor: Miriam Rios-Sanchez

Room: HSH 116

Time: 11:40 to 11:55 AM

Zoom Link: <https://minnstate.zoom.us/j/94844574391>

Passcode: HSH116-1

Facilitator: Kjerstin Owens

Title: Mapping the Groundwater Storage Systems of Red Lake Nation

Presenter: Cichy Kathryn, Jones Joshua, Nsana Nathanael

Sponsor: Miriam Rios-Sanchez

Room: HSH 116

Time: 12:00 to 12:15 PM

Zoom Link: <https://minnstate.zoom.us/j/94844574391>

Passcode: HSH116-1

Facilitator: Kjerstin Owens

Title: Development of a custom fitting to configure a Self-Contained Vacuum Extraction Cartridge (SCVEC)

Presenter: Griffin Miller, Nathan Boyd, Arron Erickson, Oas Tori

Sponsor: Dale Dreyer



ORAL PRESENTATIONS

Use Zoom Link listed with the presentation

Room: HSH 116
Time: 2:00 to 2:15 PM
Zoom Link: <https://minnstate.zoom.us/j/93077283909>
Passcode: HSH116-2
Facilitator: Judith Zatkín
Title: Nortech Assembly Operations
Presenter: Alana Feser, Molly Wenner, Reyna Gonzalez-Rivera
Sponsor: Mahmoud Al-Odeh

Room: HSH 116
Time: 2:20 to 2:35 PM
Zoom Link: <https://minnstate.zoom.us/j/93077283909>
Passcode: HSH116-2
Facilitator: Sherry Lawdermilt
Title: Time Study: Process of ordering Food at a Sports Bar (Restaurant)
Presenter: Maurice Ward, Andrew Nalty, Viktor Pisarchyky, Xiong Meng
Sponsor: Mahmoud Al-Odeh

Room: HSH 116
Time: 2:40 to 2:55 PM
Zoom Link: <https://minnstate.zoom.us/j/93077283909>
Passcode: HSH116-2
Facilitator: Judith Zatkín
Title: A Literary Review to Sustainable Development of the Manufacturing Industry
Presenter: Molly Wenner
Sponsor: Nusrat Chowdhury

Room: HSH 116
Time: 3:00 to 3:15 PM
Zoom Link: <https://minnstate.zoom.us/j/93077283909>
Passcode: HSH116-2
Facilitator: Judith Zatkín
Title: Cost management cycle
Presenter: Thomas Raden
Sponsor: Mahmoud Al-Odeh

Room: HSH 206
Time: 11:00 to 11:15 AM
Zoom Link: <https://minnstate.zoom.us/j/99369771300>
Passcode: HSH206-1
Facilitator: Lukas Szrot
Title: The Impact of Gender on the Perception of ADHD Symptom Severity
Presenters: Vanessa Weaver
Sponsor: Judith Zatkín



ORAL PRESENTATIONS

Use Zoom Link listed with the presentation

Room: HSH 206
Time: 11:20 to 11:35 AM
Zoom Link: <https://minnstate.zoom.us/j/99369771300>
Passcode: HSH206-1
Facilitator: Lukas Szrot
Title: Classism in the Hiring Process
Presenters: Ashely East
Sponsor: Judith Zatkun

Room: HSH 206
Time: 11:40 to 11:55AM
Zoom Link: <https://minnstate.zoom.us/j/99369771300>
Passcode: HSH206-1
Facilitator: Lukas Szrot
Title: Big Data and Potential Privacy Problems
Presenters: Eve Buchanan, Taylor Vold
Sponsor: Halbana Tarmizi

Room: HSH 206
Time: 12:00 to 12:15 PM
Zoom Link: <https://minnstate.zoom.us/j/99369771300>
Passcode: HSH206-1
Facilitator: Lukas Szrot
Title: Enterprise Resource Planning (ERP): Reviewing Oracle ERP implementation for Global Combat Support System - Army
Presenters: Fletcher Jahn, Jake Paulson
Sponsor: Halbana Tarmizi

Room: HSH 206
Time: 2:00 to 2:15 PM
Zoom Link: <https://minnstate.zoom.us/j/92705929901>
Passcode: HSH206-2
Facilitator: Lukas Szrot
Title: Business Proposal "Not Just Coffee" Drink Shop
Presenters: Clay Bachmeier
Sponsor: Mahmoud Al-Odeh

Room: HSH 206
Time: 2:20 to 2:35 PM
Zoom Link: <https://minnstate.zoom.us/j/92705929901>
Passcode: HSH206-2
Facilitator: Lukas Szrot
Title: Rerouting a Manufacturing Process for Increased Safety and Production
Presenters: Mikaela Grasdalen, Austin Westphal, Richard Broderick
Sponsor: Mahmoud Al-Odeh

Room: HSH 206



ORAL PRESENTATIONS

Use Zoom Link listed with the presentation

Time: 2:40 to 2:55 PM

Zoom Link: <https://minnstate.zoom.us/j/92705929901>

Passcode: HSH206-2

Facilitator: Lukas Szrot

Title: METRO Green Line Extension Feasibility

Presenters: Mikaela Grasdalen, William Mattson, Abdulhakime Abdurhaman

Sponsor: Mahmoud Al-Odeh

Room: HSH 213

Time: 11:00 to 11:15 AM

Zoom Link: <https://minnstate.zoom.us/j/99190644088>

Passcode: HSH 213-1

Facilitator: Cathy Williams

Title: Focus on Exposing Homosexuality During World War Two

Presenters: Stephanie Carlson

Sponsor: Lindsay Bell

Room: HSH 213

Time: 11:20 to 11:35 AM

Zoom Link: <https://minnstate.zoom.us/j/99190644088>

Passcode: HSH 213-1

Facilitator: Cathy Williams

Title: Suicide & Psychological Distress amongst LGB Christians: An Application of Communication Privacy Management Theory

Presenters: Cameron Burnap

Sponsor: John Perlich

Room: HSH 213

Time: 11:40 to 11:55 AM

Zoom Link: <https://minnstate.zoom.us/j/99190644088>

Passcode: HSH 213-1

Facilitator: Cathy Williams

Title: State vs Federal Forest Management Strategies: Implication for Three Toed and Black- Backed Woodpeckers

Presenters: Katelyn Bergstrom

Sponsor: Samantha Jones

Room: HSH 213

Time: 12:00 to 12:15 PM

Zoom Link: <https://minnstate.zoom.us/j/99190644088>

Passcode: HSH 213-1

Facilitator: Cathy Williams

Title: The 3% club- How support changes lives

Presenters: Joe Gavin-Ballanger

Sponsor: Lisa Schmitz

Room: HSH 213



ORAL PRESENTATIONS

Use Zoom Link listed with the presentation

Time: 2:00 to 2:15 PM

Zoom Link: <https://minnstate.zoom.us/j/94407367039>

Passcode: HSH 213-2

Facilitator: Cathy Williams

Title: Factorial's Trailing Zero Phenomenon

Presenters: Christian Sutlief

Sponsor: Eric Lund

Room: HSH 213

Time: 2:20 to 2:35 PM

Zoom Link: <https://minnstate.zoom.us/j/94407367039>

Passcode: HSH 213-2

Facilitator: Cathy Williams

Title: Environmental Education Through the Years

Presenters: David Curtiss, Anita Elobuikie

Sponsor: Erika Bailey-Johnson

Room: HSH 213

Time: 2:40 to 2:55 PM

Zoom Link: <https://minnstate.zoom.us/j/94407367039>

Passcode: HSH 213-2

Facilitator: Cathy Williams

Title: Poems from "Not a Single Woman"

Presenters: Natalie Nelson

Sponsor: Chad Abushanab

Room: HSH 213

Time: 3:00 to 3:15 PM

Zoom Link: <https://minnstate.zoom.us/j/94407367039>

Passcode: HSH 213-2

Facilitator: Cathy Williams

Title: Bootlegging in Northern Minnesota

Presenters: Kate Brekke

Sponsor: Dan Allosso



IN-PERSON POSTERS

Title: Stigma and Belongingness: Merging Social Identity Theory and Mental Health

Poster Presenters: Lily Walker

Sponsor: Sarah Cronin

Title: Disability within Psychology: A Disability Studies Perspective

Poster Presenters: Lily Walker

Sponsor: Thomas Dirth

Title: Measuring the built environment: An educational intervention to combat ableism

Poster Presenters: Victoria Gratke, Rebekah Asp, Lily Walker

Sponsor: Thomas Dirth

Title: Player & Team Foundations

Poster Presenters: Tricia Niznik

Sponsor: Eric Forsyth

Title: Investigating Human-Animal Interaction in a Natural Setting

Poster Presenters: Vanessa Weaver, Grace Zempel

Sponsor: Angela Fournier

Title: TAD Arcade Cabinet

Poster Presenters: Michael Benson, Reed Korbel

Sponsor: Andrew Graham

Title: Yellow Perch Differ Morphologically at Various Locations within Lake Bemidji

Poster Presenters: Quiana Radaich

Sponsor: Andrew Hafs

Title: The Influence of Prey, Littoral Area and Angling Pressure on Largemouth Bass Average Weight

Poster Presenters: Thomas Olson

Sponsor: Andrew Hafs

Title: Analysis of Hematocrit Levels in Walleye (*Sander vitreus*) from Similar Waterbodies

Poster Presenters: Alyssa Hauser

Sponsor: Andrew Hafs

Title: Evaluating pHrodo dye as a method to detect endocytosis in Hela cells using flow cytometry

Poster Presenters: Allison Rinta, Simone Intriago

Sponsor: Michael Hamann

Title: Expressing and measuring activity of coronavirus 3CL-protease

Poster Presenters: Makumba Esoe, Savanna Werlein

Sponsor: Michael Hamann

Title: Investigating TCL cellular localization using a membrane fractionation procedure

Poster Presenters: Blake Dockendorf, Travis Lubrant

Sponsor: Michael Hamann

Title: Detecting TCL transcripts in media-differentiated HT29 cells

Poster Presenters: Brooke Limesand, Avery Armstrong

Sponsor: Michael Hamann

Title: Identifying Vesicular Localization of the Rho GTPase RhoJ/TCL Through Colocalization with Rab Family GTPases

Poster Presenters: Simone Intriago

Sponsor: Michael Hamann



IN-PERSON POSTERS

Title: Biochemical and Biophysical Analysis of LINC00298, a Non-Protein Coding RNA, which when Present in the Body, Leads to the development of Early-Onset Alzheimer's Disease
Poster Presenters: Ty Guden, Angel Kenken
Sponsor: Rachel Hellmann-Whitaker

Title: Examining the Social Determinants of Youth Homelessness
Poster Presenters: Caitlin Good
Sponsor: Rebecca Hoffman

Title: Examining the social determinants of the root cause of addiction
Poster Presenters: Amanda Smith
Sponsor: Rebecca Hoffman

Title: Examining the Social Determinants of the School-to-Prison Pipeline and the Criminalization of Black Youth
Poster Presenters: Andrew Hunger
Sponsor: Rebecca Hoffman

Title: Effects of Sulfur on Manoomin
Poster Presenters: Michelle Anderson
Sponsor: Carl Isaacson

Title: Isolation of the Mycobacteriophage Wishbone
Poster Presenters: Kaitlin Greenberg
Sponsor: Holly LaFerriere

Title: Bacteriophage LittleBen
Poster Presenters: Wei Chen
Sponsor: Holly LaFerriere

Title: Isolation, Temperature Range and Host Range of the Novel Pseudomonas fluorescens Bacteriophage Myles
Poster Presenters: Kylie Monson, Wyatt Walton
Sponsor: Holly LaFerriere

Title: Isolating DavAndRuth Mycobacteriophage using Mycobacterium smegmatis
Poster Presenters: Rylee Johnson
Sponsor: Holly LaFerriere

Title: Chemistry Club Internship with Hobart Laboratories Inc.
Poster Presenters: Simone Intriago, Makumba Esoe, Blake Dockendorf
Sponsor: Julie Larson

Title: Fatigue Testing Machine: Design & Fabrication
Poster Presenters: Jack Hatton
Sponsor: Michael Lund

Title: Concentration Determination of Analytes in Gatorade
Poster Presenters: Kyle Derby, Tyler Hanson
Sponsor: Keith Marek

Title: Determination of Caffeine and Magnesium Carbonate Content in Red Bull
Poster Presenters: Graysen Myers, Hunter Backholm, Makumba Esoe
Sponsor: Keith Marek

Title: Glucose Utilization and Oxidative Stress in Pancreatic Cancer Cells
Poster Presenters: Samantha Max, Rachael Heittola
Sponsor: Kjerstin Owens



IN-PERSON POSTERS

Title: Function and Expression of Succinate Dehydrogenase in Pancreatic Cancer

Poster Presenters: Brock Althiser, Dylan Hecksel

Sponsor: Kjerstin Owens

Title: The Effect of Mitochondrially Targeted Antioxidants on Wound Healing of Human Dermal Fibroblasts

Poster Presenters: Brynn Hetland, Kevin Renquist, Jessica Carney

Sponsor: Kjerstin Owens

Title: Synthesis and Characterization of a Fluorescent Probe for Hydrogen Sulfide Detection

Poster Presenters: Benjamin LeBeau, Hunter Backholm

Sponsor: Katie Peterson

Title: Synthesis of a Selective Fluorescent Probe for the Detection of H₂S

Poster Presenters: Aaron Lisle, Caitlin Klejeski

Sponsor: Katie Peterson

Title: Computational Studies of the Reaction of an Oxygen Atom with Propargyl Molecules

Poster Presenters: Victoria Oas

Sponsor: Bob Quandt

Title: Youth Experiencing Homelessness: Involvement in the Juvenile Justice System

Poster Presenters: Andrew Hunger

Sponsor: Sue Rickers

Title: Using Electrical Properties of Rocks and Soils to see Below the Surface

Poster Presenters: Samantha Carr, Avary Anderson, Luther Wilmot, Ryleigh Nelson

Sponsor: Miriam Rios-Sanchez

Title: Sweetgrass Method: A Culturally Responsive Approach to Mental Health

Poster Presenters: Whitney Spears, Brittany Lavallie

Sponsor: Mark Standing Eagle-Baez

Title: Sweetgrass Method: A Culturally Responsive Approach to Mental Health

Poster Presenters: Whitney Spears

Sponsor: Mark Standing Eagle-Baez

Title: Evaluating the Role of the Na⁺-H⁺ exchanger Isoform 1 (NHE1) in Ovarian Cancer

Poster Presenters: Rumer Flatness, Taylor Kot, Erin Becker

Sponsor: Mark Wallert

Title: EEG ANALYSIS IN NEURAL ACTIVITY IN DEPRESSION CASES

Poster Presenters: Laura Eyenga

Sponsor: Li Zhou

Title: EEG as a Measurement for Diagnosing Alzheimer's

Poster Presenters: Logan Bellinder

Sponsor: Li Zhou

Title: Finding an Objective Measurement of Pain

Poster Presenters: Shelene Head

Sponsor: Li Zhou



ONLINE POSTERS

Title: Community Determinants of Adverse Childhood Experiences

Poster #13

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Bethany Abramson

Sponsor: Rebecca Hoffman

Title: Community Social Determinants of Elder Abuse

Poster #18

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Ashley Bollin

Sponsor: Rebecca Hoffman

Title: The Social Determinants of Child Abuse

Poster #25

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Ana-Rosa Cruz

Sponsor: Rebecca Hoffman

Title: Social Determinants of Health: Disabilities

Poster #22

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Nora Daigle

Sponsor: Rebecca Hoffman

Title: Community Social Determinants of Child Abuse and Neglect

Poster #9

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Mallori Davis

Sponsor: Rebecca Hoffman

Title: Community Social Determinants of Mental Illness

Poster #7

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Kim Frenzel

Sponsor: Rebecca Hoffman

Title: Community social determinants of youth homelessness

Poster #16

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Julian Haines

Sponsor: Rebecca Hoffman

Title: Community Social Determinants of Child Abuse and Neglect

Poster #2

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Bre Hartford

Sponsor: Rebecca Hoffman



ONLINE POSTERS

Title: Community Social Determinants of Child Abuse and Neglect

Poster #12

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Kennedy Hayden

Sponsor: Rebecca Hoffman

Title: Community Social Determinants of Youth Homelessness

Poster #15

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Dom Jefferson

Sponsor: Rebecca Hoffman

Title: Community Social Determinants of Family Poverty

Poster #17

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Cassie Ludowese

Sponsor: Rebecca Hoffman

Title: Community Social Determinants of Food Insecurity

Poster #20

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Jenna Lund

Sponsor: Rebecca Hoffman

Title: Social Determinants of Incarceration

Poster #11

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: James Madigan

Sponsor: Rebecca Hoffman

Title: Social determinants of childhood trauma

Poster #1

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Abby McCormack

Sponsor: Rebecca Hoffman

Title: Community Social Determinants of Mental Illness

Poster #19

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Taylor Moede

Sponsor: Rebecca Hoffman

Title: Community Social Determinants of Childhood Mental Illness

Poster #5

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Madison Newton

Sponsor: Rebecca Hoffman



ONLINE POSTERS

Title: Community Social Determinants of Incarceration

Poster #14

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Tanner Peterson

Sponsor: Rebecca Hoffman

Title: Community Social Determinants of violence against Native American women

Poster #8

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Christy Ramsey

Sponsor: Rebecca Hoffman

Title: Elder Abuse

Poster #10

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Laura Rosier

Sponsor: Rebecca Hoffman

Title: Community Social Determinants of Mental Illness

Poster #3

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Makinsey Scharping

Sponsor: Rebecca Hoffman

Title: Community Social Determinants of Education Attainment in Native American Youth

Poster #6

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Daisy Snetsinger

Sponsor: Rebecca Hoffman

Title: Community Social Determinants of Disabilities

Poster #21

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Carrie Zirbel

Sponsor: Rebecca Hoffman

Title: Mapping the Groundwater Storage Systems of Red Lake Nation

Poster #23

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Kathryn Cichy, Joshua Jones

Sponsor: Miriam Rios-Sanchez

Title: Pandemic Influence on Perceived Wellness in College Students

Poster #24

Online Address: <https://app.gather.town/app/Fk2z5SEEp7b096Uh/BSU%20SAC34>

Passcode: BSUSAC22

Poster Presenters: Ashley Laubach

Sponsor: Li Zhou



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BEMIDJI
STATE UNIVERSITY

We acknowledge that Bemidji State University is located on land and water that is the current and ancestral homeland of the Ojibwe and Dakota. We acknowledge the painful history of genocide, forced assimilation, and efforts to alienate the Indigenous inhabitants from their territory here. We honor and respect the many diverse Indigenous peoples still connected to this land, retained tribal sovereignty, treaty rights, and cultural resilience. Indigenous people are spiritual and physical caretakers of this land to which we all belong. Bemidji State University respects these sacred lands, stands with the community members from these Nations, and will fight injustice in all its forms.



THE ARTIST'S SEA

By Gordon Hess

We're hiking along
a millennia old volcanic rock rift.
The alluring shore saturates us with bliss.
The vermilion sun reflects the warmth
of the timeless scene.
Summer clothes catching wind
slow dances against our skin.
In her sweet smile
I see the reason why
I must truly live this life.
I'm submerged in an abyss.
My thoughts are crystal jellyfish;
a green-blue bioluminescence
pulsing before my eyes,
or they drift deep out of reach
in the subconscious mind.
Evolution birthed from the oceans.
All life channels information;
the water within us, and the bodies
around us are connected.
Activate creation;
Mythologize the self.
Be a Nereid who's hydrokinesis
can shape aqua molecules
into a promising future.
Belief is the pillar
of the hydrous shrine
bringing dreams to life.
Resurfacing from the dark depths,
everything is right as rain.
With an inner tempo gently
undulating like the waves;
we continue to navigate
the sacred terrain.
At the peak
of the solemn strand of land
she takes my hand and spins
the silver bracelet on my wrist.
Full circle, just as my wish
cast across our spiritual pool
is carried back by the breeze
in the form of happiness.



BEMIDJI
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