

Meet Our Leadership



Brian Barnes
Program Director
Principal Investigator



Cindy Knall
Program Coordinator



Jason Burkhead
Program Co-I
Bioinformatics Core Director



Jonathan Stecyk
Research Experiences
Core Co-Director



Kristin O'Brien
Research Experiences
Core Co-Director



Julie Benson
Program Administrator

One Health

Alaska INBRE is funded by the National Institutes of Health (NIH) since 2001 and was successfully renewed in August 2019 for a 5-year, \$20 million effort entitled *Alaska INBRE 4: One Health*. Researchers are studying infectious agents in salmon, tick-borne pathogens, environmental and organism interactions, hibernation, rotenone contamination, cellular mechanisms underlying epilepsy, biomarkers of diet and wellbeing, cancer vaccines, adolescents mental and reproductive health and COVID 19.

Alaska INBRE 4 has four cores and one project:

- Administrative Core
- Research Experiences Core (RE)
- Bioinformatics Core
- Developmental Research Pilot Project
- Sustaining Research Excellence Core (SRE)

INBRE Collaborations

The NIH National Institute of General Medical Sciences (NIGMS) awards **Administrative Supplements** to encourage collaboration between IDeA program investigators and to stimulate research on women's health.

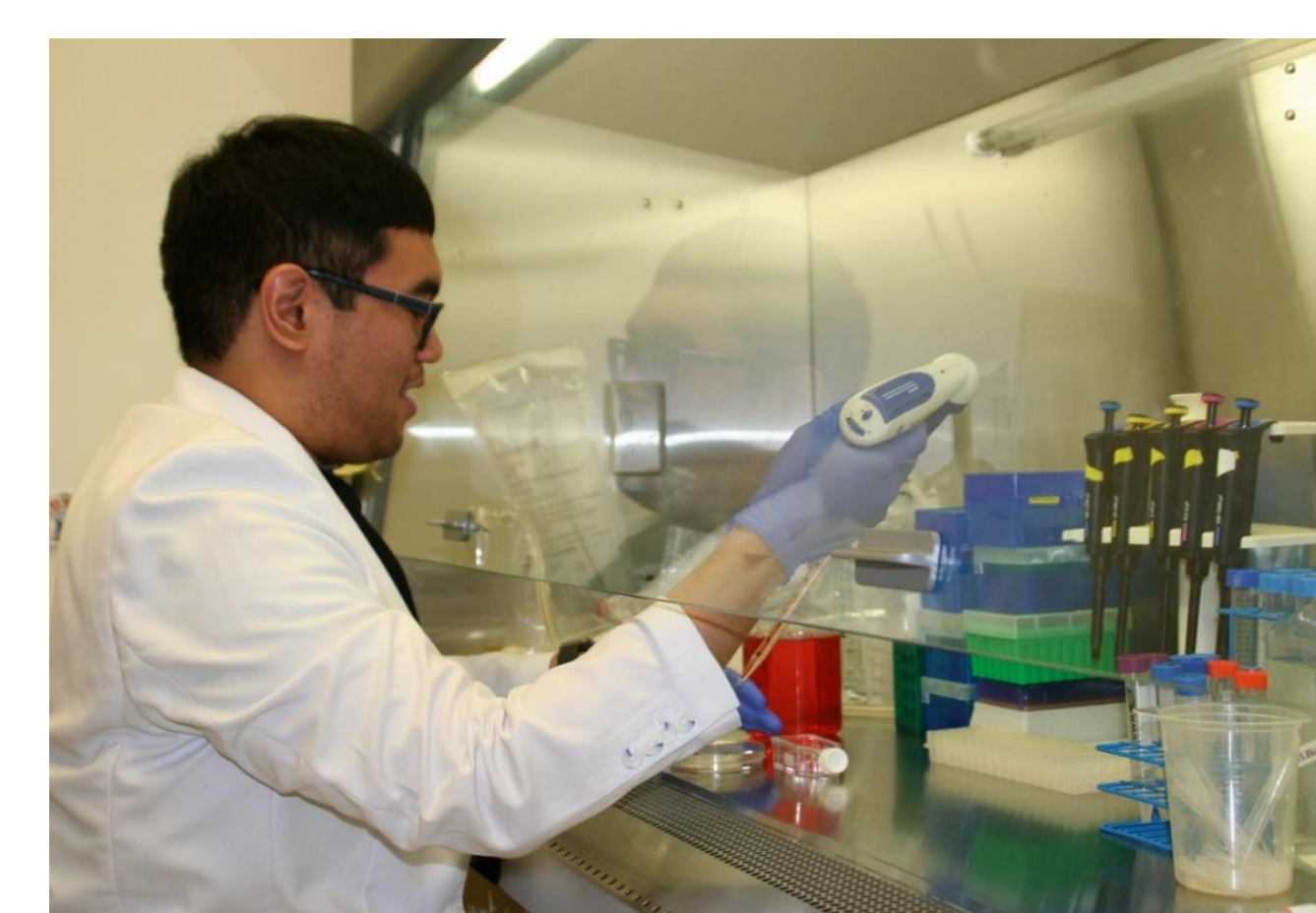
2019 Shaw and Avery-- *Engage Stakeholders to Implement Predictive Algorithms for Suicide in an Alaska Native Health System.*

2020 Wooller and Buckingham-- *Application of dietary biomarker analyses to dried blood spots from university students to assess diet in the context of wellbeing.*

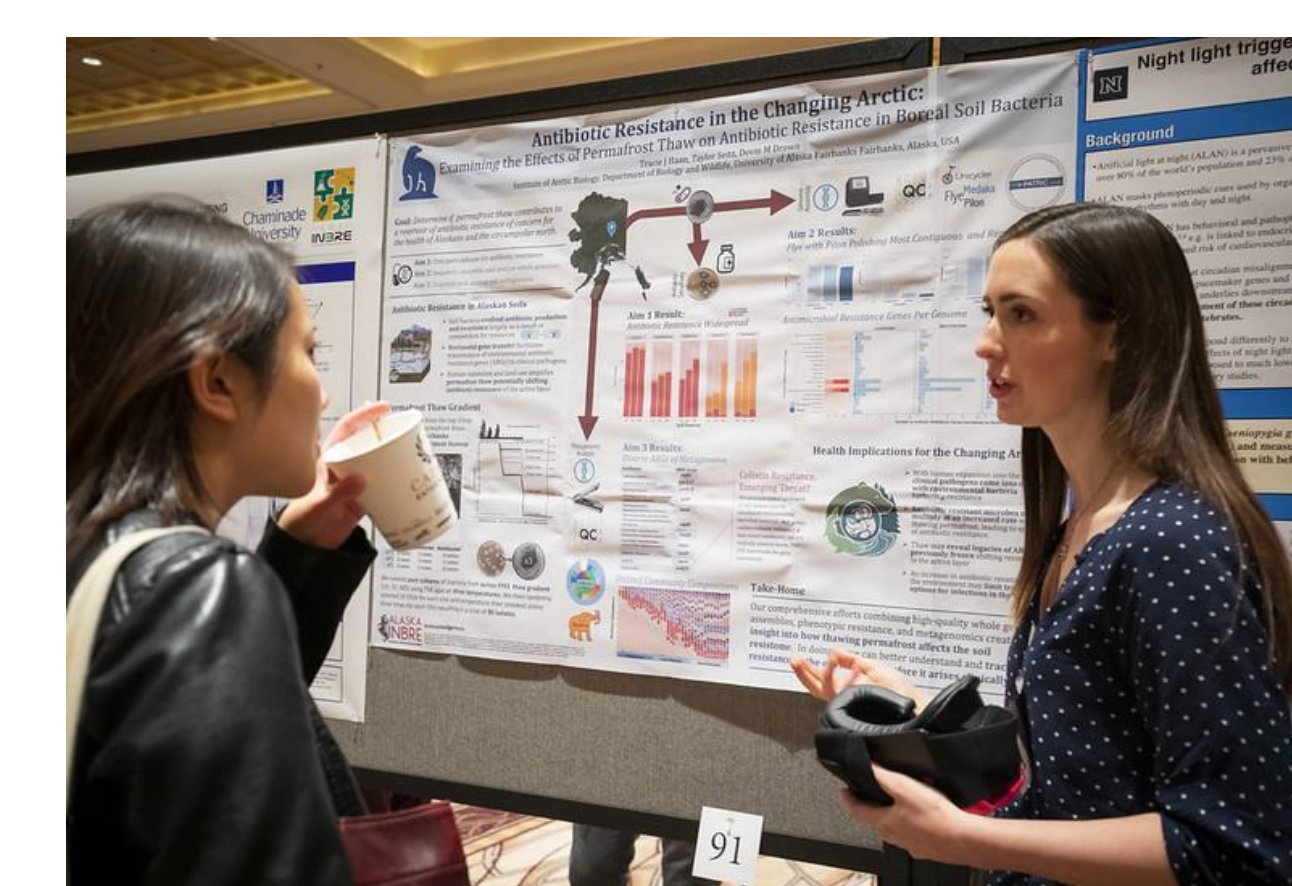
2020 Martinson-- *Enhancing Mucin-1 Cancer Vaccine with Complement Targeted Nanoparticles.*

Alaska INBRE 4 Impacts, August 2019-July 2021

- 8 Pilot Research Awards
- 2 Multi-Year Pilot Research Awards
- 26 Graduate Research Assistantships
- 6 Summer Undergraduate Research Experiences *offered virtually*
- 2 Fall Undergraduate Research Assistantships
- 5 Sustaining Research Excellence Awards
- 33 Exceptional Requests
- 14 Biomedical Service Awards
- 3 Faculty/Post Doc Professional Development Awards
- 23 Faculty/Post Doc Travel Awards
- 2 Student Professional Development Awards
- 17 Student Travel Awards
- 11 Curriculum Development Award
- 5 Core Labs supported
- 2 Research Retreats
- 2 Professional Development Sessions for Students
- 14 Special Request Awards
- 3 Career Development Award
- 1 Grant Writing Workshop



Ralf Dagdag, INBRE funded graduate student feeding cells



Alaska INBRE funded graduate student, Tracie Hahn, presenting at the 2019 NIH IDeA Western Regional

Acknowledgements

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Alaska INBRE 4 network includes University of Alaska Fairbanks the research-intensive lead institution, University of Alaska Anchorage, University of Alaska Southeast, Southcentral Foundation, and the Alaska Native Tribal Health Consortium.

