

Recruiting and Supporting Indigenous Students

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Native Americans continue to be severely underrepresented in STEM fields

The number of PhD degrees granted to Native Americans from 2004 to 2014 increased much less than for other URM and non-URM students

The number of MS degrees in STEM declined from 2004 to 2014 but doubled for other URM students.

Sloan Indigenous Graduate Partnership

Co-PDs: Kevin Gibson, Felica Ahasteen-Bryant, Blakely Brown, Matthew Calhoun, Kevin Gibson, Beverly Hartline, Karlene Hoo, Ken Ridgway, Aaron Thomas, Ron Trosper, Sweeney Windchief, Michele Yatchmeneff

Evaluation: Dr. Jack Mills

PURDUE
UNIVERSITY™

THE GRADUATE SCHOOL
ADVANCING TO A HIGHER DEGREE



Blakely Brown



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Karlene Hoo

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Barbara Komlos



Jack Mills



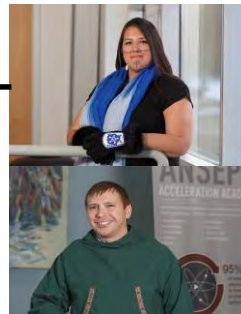
Donna Treloar



Ron Trosper

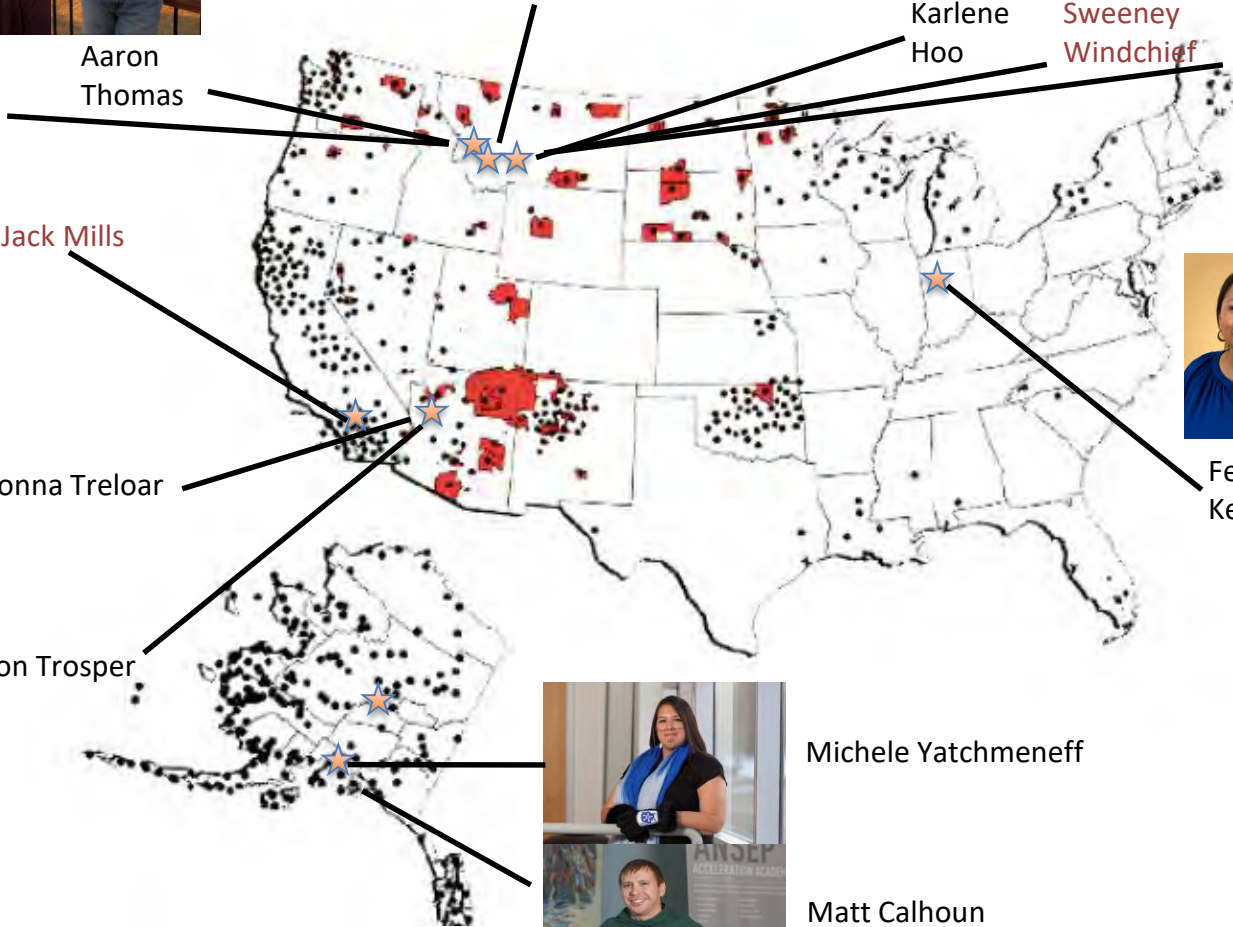


Felica Ahasteen-Bryant, Kevin Gibson, Ken Ridgway



Michele Yatchmeneff

Matt Calhoun



Location of SIGP programs relative to tribal lands. Areas in red are reservations and black circles indicate land under tribal government authority, including Alaskan Native villages.

How does it work?

- Students are nominated by SIGP PDs
 - Member of a tribe or Alaska Native Village or Native Hawaiian registry
 - Can document connection to an indigenous community
 - U.S. citizen
- Institutions provide tuition and fees, usually in the form of assistantships, scholarships, or fellowships
- The Foundation provides additional funds directly to the students
- NACME (National Action Council for Minorities in Engineering) administers funds and admission process.

Key program components

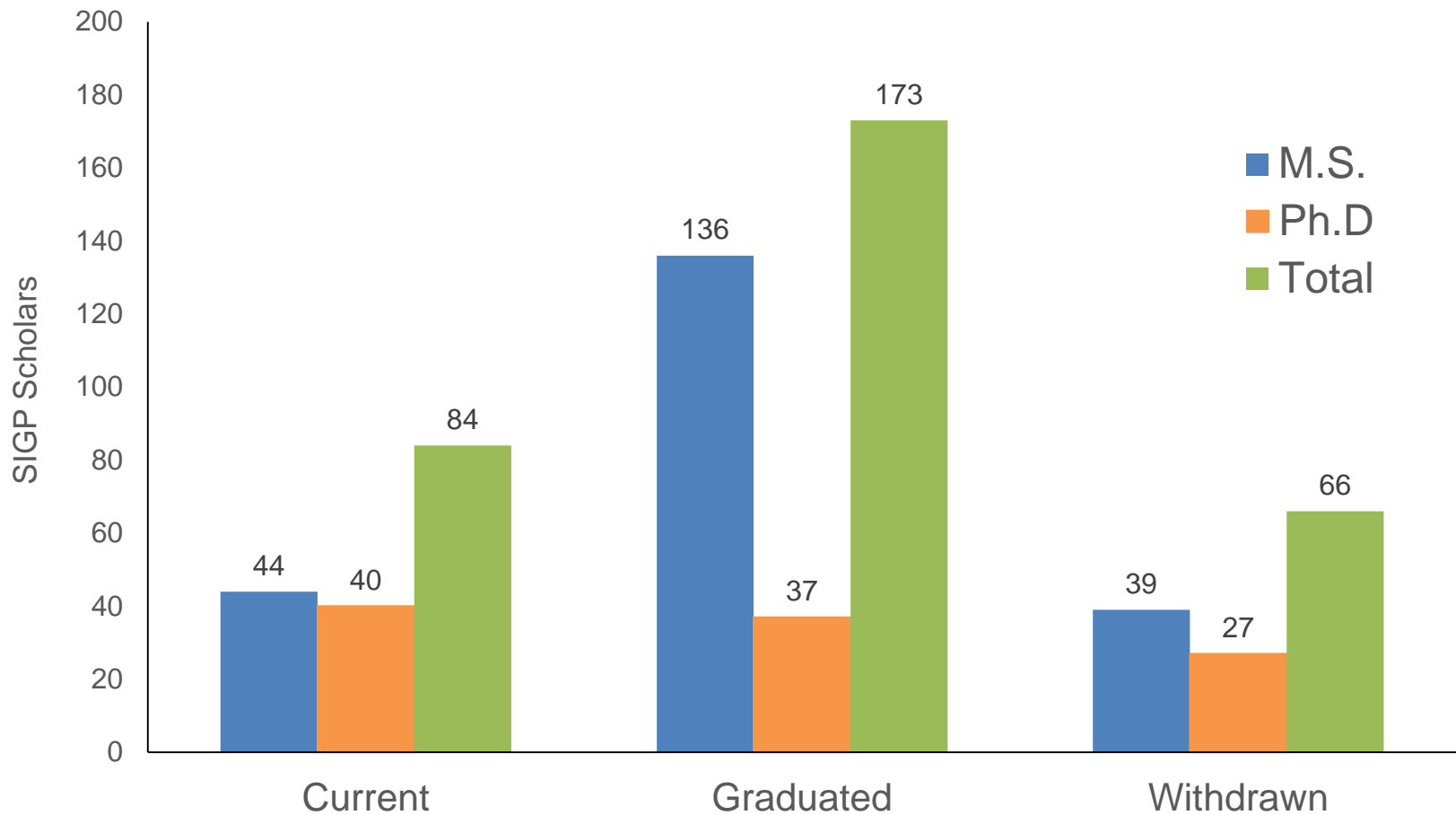
- Recruitment and retention activities
 - Universities use existing networks to recruit; some coordination at national level
 - Regular meetings and access to SIGP personnel
- Institutional champions
- National American Indian Science and Engineering Society (AISES) meeting
- External evaluation (Dr. Jack Mills – Indep. Eval)

What have we accomplished?



National overview:

173 alumni. We fluctuate between 80 and 100 current students. Retention/graduation rates are above 80% nationally and greater for some programs. Median time to degree for Ph.D students is 4.9 years



Purdue components

- Originated with and still led by faculty and staff



Felica Ahasteen-Bryant

Dr. Kevin Gibson

Dr. Ken Ridgway

Deb Swihart

Dr. Pat Zollner

Dr. Kerry Rabenold

Dr. Stephanie Zywicki

- Campus-wide connections
- Native American Educational and Cultural Center (NAECC) is the heart of the program.
- Recruitment primarily focused outside Purdue

NAECC CAMPUS LOCATION

NATIVE AMERICAN EDUCATIONAL AND CULTURAL CENTER

Computer
lab

Conference and Meeting
Room

Study rooms

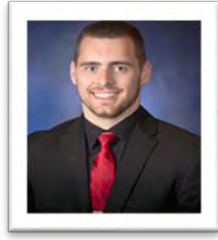
Expanded library



Kitchen area for food
demonstrations

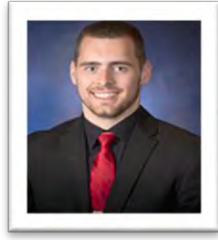


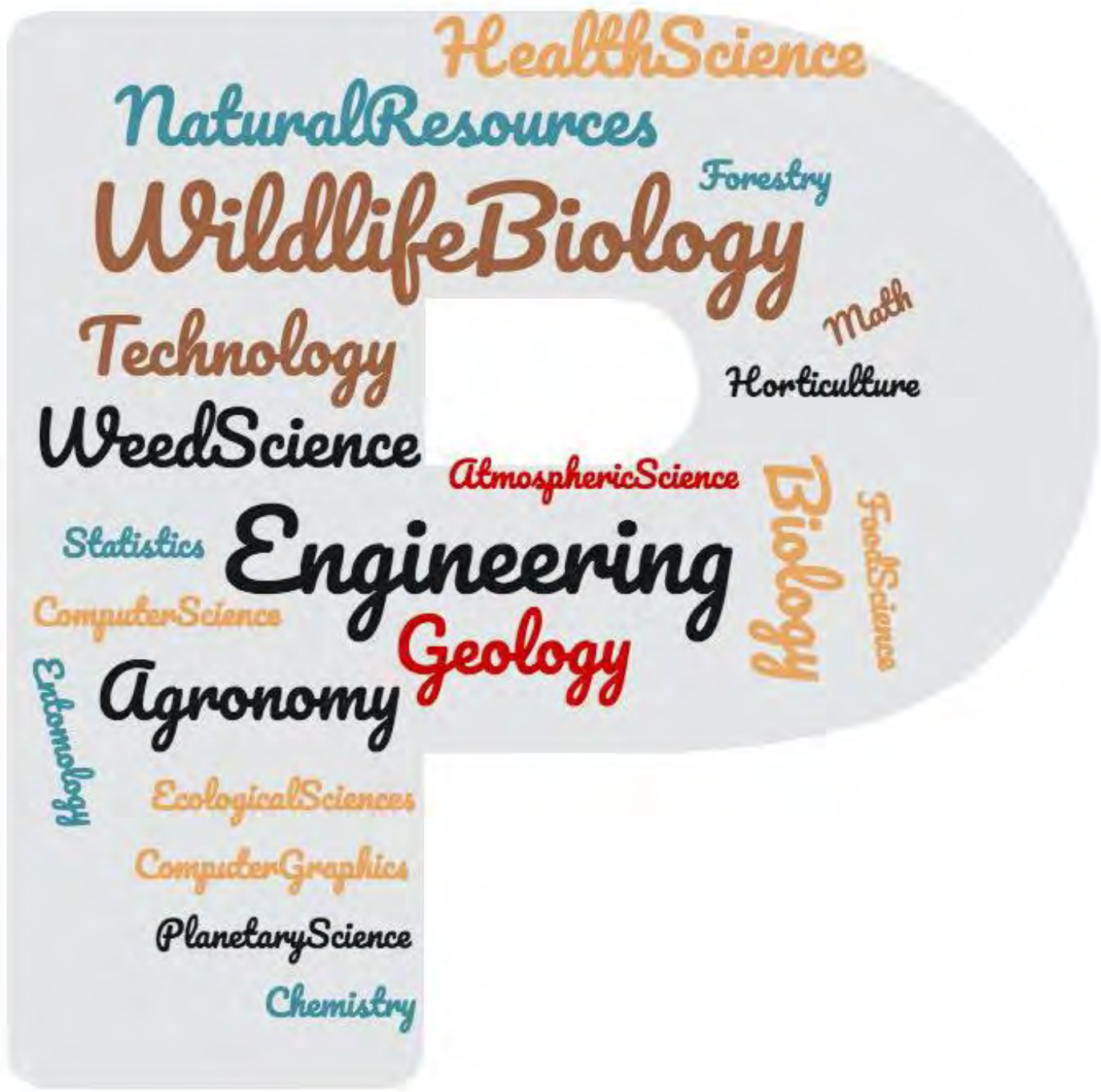
Purdue University
has 34 SIGP
alumni and 19
current students





93% of all Purdue
Scholars have
graduated or are
still enrolled.





Health Science

Natural Resources

Wildlife Biology

Forestry

Technology

Math

Weed Science

Horticulture

Atmospheric Science

Engineering

Biology

Food Science

Statistics

Computer Science

Geology

Agronomy

Entomology

Ecological Sciences

Computer Graphics

Planetary Science

Chemistry

ACKNOWLEDGEMENT

NATIVE AMERICAN EDUCATIONAL AND CULTURAL CENTER



Indiana – “The Land of Indians”

Ancestral Homelands

- Bodewadmi (Potawatomi)
- Myaamiaki (Miami)
- Shawnee
- Lenape (Delaware)

Many thanks to the Alfred P. Sloan Foundation and to the students, faculty, and staff who have contributed to the success of the Sloan Indigenous Graduate Partnership!