Summer Undergraduate Research Program 2015

NDSU INBRE

SURP program supported by NIH under award number P20GM103442. The information provided is the sole responsibility of the authors and does not necessarily represent the official views of NIH.
Goal:
Increase the representation of ND AIs in research

Key Values:
- Respect
- Transparency
- Motivation
## Goals and Objectives

2015 Recruitment goal: Recruit 10 TCU students

<table>
<thead>
<tr>
<th>2015 Program Goals</th>
<th>2015 Program Objectives</th>
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<tbody>
<tr>
<td>1 Engage and interest TCU students in</td>
<td>1.1 Host research presentations by NDSU-UND Faculty and Staff</td>
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<tr>
<td>research</td>
<td>1.2 Increase interest in research through lab tours and hands-on activities</td>
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<tr>
<td>2 Increase understanding of research</td>
<td>2.1 Host presentations by NDSU Research Faculty and Staff</td>
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<tr>
<td>methods</td>
<td>2.2 Scholar Research Proposals</td>
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<td>3 Gain knowledge of successful studying</td>
<td>3.1 Host workshops that focus on student development</td>
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<td>strategies</td>
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<td>4 Meet future mentors</td>
<td>4.1 All Faculty and Staff involved in SURP are available as future mentors</td>
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SURP 2015

- Total of 8 students (9 including VCSU student)
- 2 Weeks, housing, meals, stipend
- Partnership with NATURE
- Lab tours and hands-on activities
- Research presentations: Indigenous perspective
View of Compatibility between Native American culture and Public Health

- Not Compatible: 0% Pre-survey, 0% Post-survey
- Only Somewhat Compatible: 0% Pre-survey, 0% Post-survey
- Moderately Compatible: 25% Pre-survey, 12.5% Post-survey
- Pretty Compatible: 50% Pre-survey, 50% Post-survey
- Extremely Compatible: 25% Pre-survey, 37.5% Post-survey

Percent
View of Compatibility between Native American culture and STEM research

<table>
<thead>
<tr>
<th>Compatibility Level</th>
<th>Pre-survey</th>
<th>Post-survey</th>
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<tbody>
<tr>
<td>Not compatible</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Somewhat compatible</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Moderately compatible</td>
<td>25</td>
<td>37.5</td>
</tr>
<tr>
<td>Pretty compatible</td>
<td>50</td>
<td>0</td>
</tr>
<tr>
<td>Extremely compatible</td>
<td>25</td>
<td>62.5</td>
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</table>

Percent
Interest in STEM Research

- Pre-survey:
  - Not interested at all: 12.5%
  - Slightly interested: 0%
  - Moderately interested: 0%
  - Pretty interested: 25%
  - Extremely interested: 62.5%

- Post-survey:
  - Not interested at all: 0%
  - Slightly interested: 0%
  - Moderately interested: 0%
  - Pretty interested: 25%
  - Extremely interested: 62.5%
“Learning more about the opportunities I have out there”

“I learned more about research and public health.”

“How to think outside of the box”

“The tours of NDSU campus because I will be going there this fall.”
Would you recommend SURP to your peers or other students interested in learning more about research?

Response: 6 out of 8 said “Yes”
Student Responses

- **Confusion** between NATURE and SURP student protocol
- **Not enough time** designated for research proposal
- There should be **more research related workshops**
- **Should be targeted** for students interested in the medical field
- Too many lab tours
- Program advisor could use **more help**

NDSU PUBLIC HEALTH
**WEEK 1:**

**Curriculum**
- Orientation
- Research 101
- Research Seminar
- Journal Club
- Indigenous Methodologies
- Research Topics
- Lab Tours

**Student Development**
- Communication Skills
- Professional Development
- Research Careers
- Grad School 101
- Transfer Information
- Team Building
- Dinner & Social

**Proposal**
- Proposal Workshops
- Proposal Writing

**WEEK 2:**

- Journal Club
- Research Topics
- Assigned Lab
- Computer Lab

- Communication Skills
- Professional Development
- Team Building
- Presentations

←---------More activities------------------------Less activities------------------------→
Improving the Program for 2016

Feedback → Assess → Plan → Act → Successful Program → TCU Student Focus
Comments?

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