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 research</td>
<td>1.1 Host research presentations by NDSU-UND Faculty and Staff</td>
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<tr>
<td>2 Increase understanding of research methods</td>
<td>1.2 Increase interest in research through lab tours and hands-on activities</td>
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<tr>
<td>3 Gain knowledge of successful studying strategies</td>
<td>2.1 Research Seminar/Lectures</td>
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<tr>
<td>4 Meet future mentors</td>
<td>2.2 Scholar Research Proposals</td>
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<tr>
<td></td>
<td>3.1 Host workshops that focus on student development</td>
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<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: Pre-survey = 0, Post-survey = 0
- Only Somewhat Compatible: Pre-survey = 0, Post-survey = 0
- Moderately Compatible: Pre-survey = 25, Post-survey = 12.5
- Pretty Compatible: Pre-survey = 50, Post-survey = 50
- Extremely Compatible: Pre-survey = 25, Post-survey = 37.5

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>
</tr>
</thead>
<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></td>
</tr>
<tr>
<td>Extremely compatible</td>
<td>25</td>
<td>62.5</td>
</tr>
</tbody>
</table>
Interest in STEM Research

- **Pre-survey**
- **Post-survey**

<table>
<thead>
<tr>
<th>Interest Level</th>
<th>Pre-survey</th>
<th>Post-survey</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not interested at all</td>
<td>12.5%</td>
<td>62.5%</td>
</tr>
<tr>
<td>Slightly interested</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>Moderately interested</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>Pretty interested</td>
<td>25%</td>
<td>25%</td>
</tr>
<tr>
<td>Extremely interested</td>
<td>62.5%</td>
<td>62.5%</td>
</tr>
</tbody>
</table>
Interest in a Public Health Career

- Not interested at all: Pre-survey 12.5%, Post-survey 12.5%
- Slightly interested: Pre-survey 12.5%, Post-survey 25%
- Moderately interested: Pre-survey 25%, Post-survey 25%
- Pretty interested: Pre-survey 25%, Post-survey 37.5%
- Extremely interested: Pre-survey 0%, Post-survey 12.5%
Most Valuable Things Learned

“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
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

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WEEK 2:

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

- Communication Skills
- Professional Development
- Team Building
- Presentations

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**More activities**

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**Less activities**
Improving the Program for 2016

Feedback → Assess → TCU Student Focus

Successful Program

Act → Plan

Introduction | SURP 2015 Planning | Program Overview | Program Highlights | Program Weaknesses | Program Improvement
Comments?

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