**1.     Executive Summary**

The proposed project will be a collaboration between the UW Farm and the Intellectual House as well as other Native American groups on campus and in the community as we work together to design and plant gardens of indigenous plants with significance in native food traditions.

The proposed project would provide on-campus space(s) for students involved with the Intellectual House to plant, grow learn and have access to culturally significant foods as a form of social sustainability and food sustainability:

* wǝɫǝbʔaltxʷ Garden at Mercer Court farm site would be at the intersection of Pacific and Boat Streets: “B” plot, measurements: 75’ x16’, Currently vacant – no plants growing there.
* wǝɫǝbʔaltxʷ Garden at the Center for Urban Horticulture would be the current “I” Plot, measures 20’ x 30’
* Native (perennial) Permaculture garden - Renovating a previous CSF-funded permaculture planting with native perennial plants, 40’x15’.

This project addresses a number of issues related to social and environmental sustainability on the UW campus:

1. Food Sovereignty. Food sovereignty is defined as the “(inherent)right of peoples to healthy and culturally appropriate food produced through ecologically sound and sustainable methods, and their right to define their own food and agriculture systems. It puts the aspirations and needs of those who produce, distribute and consume food at the heart of food systems and policies rather than the demands of markets and corporations.” – Declaration of Nyéléni, the first global forum on food sovereignty, Mali, 2007

As one step towards food sovereignty for the UW community, we hope to help create spaces where students, staff, faculty, and community members can learn about, grow, and consume traditional foods.

# This project also addresses issues of food insecurity and native peoples. Food insecurity “is a growing public health problem for college students, with significant potential for adverse effects on both physical and mental health, and functioning.Food insecurity is defined as, “limited or uncertain availability of nutritionally adequate and safe food or limited or uncertain ability to acquire acceptable foods in socially acceptable ways” due to a lack of money or other resources.” – American Journal of Public Health Student hunger on campus: Food insecurity among college students and implications for academic institutions

1. This project will contribute to biodiversity and restoration by reintroducing native plant species to the UW campus at two of the UW Farm’s growing sites. It will specifically focus on the reintroduction of edible and medicinal plant species, addressing food sovereignty, food insecurity, access to healthy foods, and will increase amount of food grown on campus. These activities address social and environmental sustainability issues.
2. This project will focus heavily on student leadership. UW Farm employs several student workers each year. The farm will hire a Native Garden Liaison position to work directly with members of the Intellectual House. The Intellectual House is able to hire students for Native Garden work. We plan to engage with Native American student groups on campus and envision this space to truly be student-created and led.
3. This project will focus on engaging Native American campus and community members to share knowledge, stories, song, and tradition among generations. The Native Gardens will also be the site for larger educational events that could bring in students from all backgrounds to learn about food sovereignty, indigenous foods, food security, social sustainability and the history of the Puget Sound land and peoples.

UW Farm has met with partners at the Intellectual House to discuss the feasibility of this project. With the Intellectual House and UW Farm’s ability to devote funds to hire student leaders, we can ensure commitment and continued work on this project in the future. Cultivating this garden on UW Farm’s space also ensures continued maintenance of the space by UW Farm staff and student volunteers. The UW Farm also has a system for liability, food safety protocols and harvest tools and food storage. The Intellectual House has a cooking facility, food storage and areas for teaching food cooking lessons. Both facilities have space for saving seeds and hosting events.

Detailed Budget

**2.     Funding information**

a.     Total Amount requested $14,405  
b.     Budget breakdown

Staff/Student/Faculty time - $5,520

* Native Garden Liaison (Student staff with the UW Farm): 15 hrs./week during Summer and Fall quarters (23 weeks @ $16/hr.) $5,520
* UW Farm Manager and Project Team with the exception of the above individual - donated
* Two student graphic artists – donating time for sign design to be created digital form for Fed Ex (UW Farm currently working with them for two other projects)

**Materials Budget - $8885.00**

* Irrigation replacement and labor – ($2.00/sq ft x 1200, Mercer) $2400 and ($2.00/sq ft x 300, CUH) $600 = $2700
* Soil amendments & Hardscaping – 5 cu yard Cedar Grove compost (Mercer Court only) $185 ($32/yd plus $5/yd delivery fee) and UW compost made by Grounds $0.00 and gravel/stones $450 = $635
* Sign creation - $1,200 UWBG
* Sign production creation (3) @ Fed Ex ($250 each) $750
* Powder coated steel sign pedestal with three posts ($500 each) $1500
* Native plants from Society for Ecological Restoration Native Plant Nursery $400
* Seeds purchased from Native Seed Search and Seed Saver’s Exchange $200
* Organic Seed Alliance assistance & Seed saving materials $100
* Planting labor $0.00 (Carlson-Service Learners, Intellectual House students, community volunteers
* Community Meeting in Spring quarter $350
* Dawg Days event at Intellectual House in September and Farm To Table event in October $1050
* Website updates, social media - $0.00 donated labor Intellectual House and Farm Manager already have staff assigned

c.     Other funding sources

We have a source of seed being donated from tribes for Wapato and some seeds for corn and squash from Yale University. Other funding sources are tribal grants including but not limited to the Potlatch Fund.

Project assets at the UW Farm are irrigation supplies that we already have in our inventory at the UW Farm. Land access is already provided – project will be located at current UW farm sites. Liability, food safety systems and harvest and planting equipment are all located at UW Farm sites and available for this project. Farm has storage for crops until needed for events.

Project Assets at the Intellectual House are the location for regular interactions with native students and the public, educational content for designing the signage and tribal contacts for specific plant varieties and traditional methods for planting and harvests, storytelling. Intellectual House also has a kitchen for teaching cooking methods, seed saving demos.

d.     Grant or loan status (do you intend to pay back any of the grant?)

This is a grant to pay for initial start-up and materials costs of this project. Project maintenance and costs will be absorbed into regular programming and production for the Intellectual House and farm.

The relationship between the Intellectual House and farm has already occurred for the last two season, but the specific location of growing plots has not been designated publically, nor has there been any formal education or events related to activities. This grant would make the project public and expand what we are already doing – taking it to the next level. It would also declare sites at the UW Farm as historic for local tribes – public acknowledgment that these sites are significant historically.

After initial year expenses, produce grown will be served at events, and taken home by those who are food insecure. The produce served at events will save catering/food costs in the future. Seed saving will ensure full-circle of growing and saving seed for planting for the future years of the program.

How the project meets the goals of the funding organization

**3.     Sustainable Impact**

a.     The sustainability problem (statement of need), be sure to discuss the local context of the problem if your project addresses a broader sustainability concern

Food Sovereignty is defined as “the inherent right of a community to identify their own food system”. As one step towards food sovereignty for the UW community, we hope to help create spaces where students, staff, faculty, and community members can learn about, grow, and consume traditional foods.

b.     How your project addresses the sustainability problem

This project will contribute to biodiversity and restoration by reintroducing native plant species to the UW campus at two of the UW Farm’s growing sites. It will specifically focus on the reintroduction of edible and medicinal plant species, addressing food sovereignty, food insecurity, access to healthy foods, and will increase amount of food grown on campus. These activities address social and environmental sustainability issues.

c.     How your project’s impacts will be measured (for monitoring and evaluation)

Measuring will occur through recording the following data:

Volunteer hours – all time contributed to building gardens, planting, growing produce, harvests and working on the plots is recorded in a Volunteer log. Total hours, # of students and demographics will be collected via a sign-up questionnaire (have this on the farm page already).

Harvest amounts - All produce grown will be weighed and recorded into records for the UW Farm and shared with the Intellectual house. Written as part of Farm’s annual report and shared with campus/public. For example, in 2018 5 lbs. of Ozette potatoes were grown at Mercer Court. This lead to 80 lbs. of potatoes that were harvested along with 128 pounds of Dakota squash from 25 seeds.

# of individuals in attendance each year at the three annual educational events (Symposium, Dawg Daze, Farm To Table) that will be part of this project.

# of Indigenous Recipes collected for incorporation into the UW Farm Newsletter as shared by the Intellectual House, to campus/public, archived on websites

# and Varieties of plant seeds saved and success of seed saving recorded each year

**4.     Education and outreach**

a.     How will the UW community find out about your project?

* Update UW Farm and Intellectual House websites to include grant projects tab and list all CSF projects including this one
* Utilize UW Farm and Intellectual House facebook pages and Instagram accounts for publicity and documentation of progress and involvement
* Include updates and involvement activities via The Weekly Dirt farm newsletter to document and publicize progress, including tribal recipes and crops
* Attend campus events (tabling) such as Earth Day and Dawg Daze to promote program

b.     How will the UW community become involved in and/or support your project?

The UW Farm and Intellectual House will co-host three *annua*l events for hands-on learning to educate, feed, empower and involve students/campus/the public about this project:

* Indigenous Food and Ecological Knowledge Symposium, every April
* NEW Dawg Daze involvement – host Share in the Harvest, every September, harvest team participation and preparing a community meal at the Intellectual House
* Farm To Table community meal event hosted by UW Farm every year in late October with seed saving activities

In addition, there are over 15 classes (over 500 students) that intersect with related topics that visit the farm, have labs, and come for field trips to learn more about biodiversity, indigenous crops and traditions, food access, nutrition, farming, etc.

Over 240 Service-Learners per year help on the farm as part of class assignments. They would be involved via the Carlson Center but are all supervised on UW Farm sites.

The UW Farm and Intellectual House together are visited by many individuals. Both organizations host volunteer work parties, have an open-door policy for those that visit for personal reasons or for work, participate in events such as MLK Day of Service, CSA shareholders, alumni, conferencing, meetings, events, etc. - we are places that are open to the public and welcome involvement

Farm Field Trip Youth education programs led by UWBG staff at CUH every April-May and Sept-October. This totals approximately 200+ k-4 youth and local K-4 teachers that will learn about native cultures, foods, etc.

Intellectual House educational activities are numerous. This project dovetails into events seamlessly.

Estimated exposure due to the website information, permanent signage, annual work parties and events: 40,000+ people

**5.     Student involvement**

a.     How will your project directly involve/affect UW students?

Food grown at the Gardens will directly solve problems of food insecurity at the Intellectual House.

Cultural traditions related to food for tribes will be preserved through active sharing of indigenous recipes, medicinal knowledge, tribal planting and harvest methods, and significant plant varieties and their seed will be kept alive through living specimens and seed saving.

Students participating in the growing of crops and caring for perennial plants will learn-hands-on about how to grow food for themselves and will at the very least take home an awareness of food and social sustainability issues.

b.     If you plan to use student volunteers in your project, how will you identify and recruit student volunteers?

Carlson Center is the largest source for the project, along with Intellectual House members. The UW Farm hosts, on average 60 service-learning volunteers per quarter including the summer. In addition, we recruit many more via the UW ‘Trumba’ on-line calendar, facebook (3,500 followers), Instagram (1,400 followers), our weekly newsletter (1,349 subscribers), website page and foot traffic thru and by the farm sites every day. We also have over 50 active volunteers from the community that are students, recent alumni and individuals.

**6.     Accountability & Feasibility**

a.     Project timeline (Gantt chart or a list of project tasks and expected duration of each task)

**Timeline:**

* Spring 2019: Submit LOI to CSF committee.
* July 2019: Hold Community Meeting/ceremony with tribal Elders and on-campus project partners. Lunch provided, gifts provided to Elders. Estimated attendance: 15-35 people*.* Activities - Storytelling, Educational activities*,* Initial site designs for Mercer Court plot and the improvement/renovation of the permaculture site at CUH.
* August & September 2019: Finalize garden designs, signage, educational content for websites, plan harvest and cooking events for fall quarter, educational materials design, production and harvest timelines, procurement of plants, purchase of hardscaping materials.
* October & November 2019: Students, volunteers, farm manager and Intellectual house members install native gardens and signage at Mercer Court and CUH. Information and participation created due to a kick-off event during Dawg Daze. Storytelling at the Intellectual House and tours of Native garden sites and sampling foods grown in 2019 from current sites. Estimated attendance, 35-55 people. Also, over the following 8 weeks, the UW Farm will host 8 work parties to complete the work as recruited through the Intellectual House and Carlson’s Service-Learning program. Estimated attendance: 50-75 people.
* Ongoing, post grant: Continued involvement of community partners and UW Farm students/interns/volunteers to maintain the garden spaces. Ongoing community events, medicinal and crop harvests and meals, that allow students involved in farming and sustainability to connect with and learn from Native People and learn about the cultivation and significance of indigenous foods. See below.

b.     List of project team and any sub-teams

**Intellectual House**

**Kamaka'ike** **(Kanaka ʻŌiwi) / Natalie Bruecher**

President, Polynesian Student Alliance / [polynzn@uw.edu](mailto:polynzn@uw.edu)

Student Lead, wǝɫǝbʔaltxʷ Intellectual House / 206.616.7066

Student Assistant, Multicultural Outreach & Recruitment Office of Minority Affairs and Diversity

Senior, Bachelor of Arts / [bruecher@uw.edu](mailto:bruecher@uw.edu)

Public Health, Medical Anthropology and Global Health

**Sierra Campbell**(Apsaalooke Nation)  
Student Assistant / wǝɫǝbʔaltxʷ - Intellectual House  
Office of Minority Affairs and Diversity

**Iisaaksiichaa Ross B. (*Apsaalooke Nation*) MSIM**  
Tribal Liaison / Tribal Relations

Director / wǝɫǝbʔaltxʷ - Intellectual House  
Office of Minority Affairs and Diversity

wǝɫǝbʔaltxʷ - Intellectual House Box 352835  
4249 Whitman Court, Seattle, WA 98195

206.616.6056  
[dabraine@uw.edu](mailto:dabraine@uw.edu)

**UW Farm**

**Perry Acworth**

Farm Manager

University of Washington Farm

UW Botanic Gardens

School For Environment and Forest Sciences

College of the Environment

[persis@uw.edu](mailto:persis@uw.edu)

206-550-4169

**Sarah Culp**, Student Lead for this project

Medical Anthropology and Global Health Student

*Earth Day Student Coordinator*

University of Washington | 206.658.3788 | she/her/hers

c.     Is your project “shovel-ready”?  Should your project be funded, what, if any, steps need to take place in order for your project to begin?

We are shovel-ready! We can begin fixing the irrigation once we receive approval. The plots are ready for planting. We have selected the plants, seeds, materials and educational events for outreach and the timing is perfect for planning (spring/summer) and planting in the fall.

Partners and Stakeholders

**7.     Indicate the project stakeholders, separating the following groups:**

**Intellectual House**

**Kamaka'ike** **(Kanaka ʻŌiwi) / Natalie Bruecher**

President, Polynesian Student Alliance / [polynzn@uw.edu](mailto:polynzn@uw.edu)

Student Lead, wǝɫǝbʔaltxʷ Intellectual House / 206.616.7066

Student Assistant, Multicultural Outreach & Recruitment Office of Minority Affairs and Diversity

Senior, Bachelor of Arts / [bruecher@uw.edu](mailto:bruecher@uw.edu)

Public Health, Medical Anthropology and Global Health

**Sierra Campbell**(Apsaalooke Nation)  
Student Assistant / wǝɫǝbʔaltxʷ - Intellectual House  
Office of Minority Affairs and Diversity

**Iisaaksiichaa Ross B. (*Apsaalooke Nation*) MSIM**  
Tribal Liaison / Tribal Relations

Director / wǝɫǝbʔaltxʷ - Intellectual House  
Office of Minority Affairs and Diversity

wǝɫǝbʔaltxʷ - Intellectual House Box 352835  
4249 Whitman Court, Seattle, WA 98195

206.616.6056  
[dabraine@uw.edu](mailto:dabraine@uw.edu)

**UW Farm**

**Perry Acworth**

Farm Manager

University of Washington Farm

UW Botanic Gardens

School For Environment and Forest Sciences

College of the Environment

[persis@uw.edu](mailto:persis@uw.edu)

206-550-4169

**Sarah Culp**, Student Lead for this project

Medical Anthropology and Global Health Student

*Earth Day Student Coordinator*

University of Washington | 206.658.3788 | she/her/hers

a.     The project partner (the campus unit that the project will work with most directly)

UW Farm and the Intellectual House. Please note – these are *plantings* within the current UW Farm. Signage will be approved by the UWBG sign committee and format is already approved. Content of signs and educational activities largely will be determined by tribes and co-author of this proposal Iisaacksiichaa/Ross Braine, Intellectual House Director.

b.     Who the project will need direct approval from (remember that any project that directly affects a campus unit will require approval from the campus unit prior to funding).  The project partner may or may not be the one providing direct approval.  Some projects will require approval from more than one campus unit.

Intellectual House and UW Farm. Signage layout and design will need approval by UWBG sign committee, Maureen Black and David Zuckerman.

c.     List other important stakeholders for the project (specifically any faculty, staff, student groups, and external individuals or groups that will be involved in the project)

**Faculty**

**Dr. Eli Wheat**, Ph.D. (Seed saving activities and farm classes)   
University of Washington  
Program on the Environment  
206.550.4622

Society for Ecological Restoration Native Plant Nursery – source for perennial plants within Native Permaculture Garden area

**Dr. Jon Bakker**, Professor  
School of Environmental and Forest Sciences, University of Washington  
Box 354115, Seattle, WA 98195-4115  
P: 206-221-3864; E: [jbakker@uw.edu](mailto:jbakker@u.washington.edu)  
<http://faculty.washington.edu/jbakker/>

**UWBG**

Fred Hoyt

Interim Director

**PH** 206-543-3137 **EM** [fhoyt@uw.edu](mailto:fhoyt@uw.edu)

[uwbotanicgardens.org](http://www.uwbotanicgardens.org/)

Maureen Black

Marketing and Events Manager

Mblack6@uw.edu

David Zuckerman

Manager of Horticulture

Box 354115, Seattle WA 98195

**PH**  206.543.8008  **MB** 206.793.3893  **EM** [dzman@uw.edu](mailto:dzman@uw.edu)

[uwbotanicgardens.org]uwbotanicgardens.org

**UW Irrigation**

James Boeckstiegel  
Maintenance Mechanic Lead, Irrigation, Grounds  
UW Facilities

Plant Operations Annex 4, Box 352166  
4515 25th Ave NE, Seattle, WA  98105-4208  
206.221.4379  /  mobile 206.255.8507  
[jboxx@uw.edu](mailto:jboxx@uw.edu)

**UW Grounds**

Norm KwasinskiInterim Grounds MS2   
UW Campus Grounds Operations

Plant Operations Annex 4   Box 352166

3984 Jefferson Rd Seattle, WA 98195-2166  
office 206.616.6469 / mobile  206.786.8548  
[normski@uw.edu](mailto:normski@uw.edu)

**Mercer Court/HFS**

Rob Lubin

Director, Facilities and Capital Planning

HFS Central Office, Terry Hall

1045 NE Campus Parkway

Box 355610 Seattle, WA 98195-5610

Phone – 206 543 7885