

2021 Phenomics Data – REEU Schedule

Activities	Tentative timeline	Responsible Party	Virtual/In-person
Students reach out to mentors to get to know each other and tentative discussion of project and gather relevant materials to read.	1 April – 1 June	Mentor-Student	Self-Organized
Mentor evaluation on recruitment process.	1 April – 1 June	Evaluators-Mentor	Virtual
Arrival at WSU Campus (for those in Pullman): <ul style="list-style-type: none"> ▪ 2-3 pm, the housing coordinator will meet with the students. ▪ 5 pm at PKT or 6 pm at Sigma Nu: COVID-19 Safety Guidelines for new arrivals. 	28 May	OUR	-
REEU program evaluation survey <ul style="list-style-type: none"> ▪ Meeting with project evaluators. 	1 June (9.15-10.30 AM)	Landon Charlo, Zoe Strong	Virtual
REEU site research presentation – <ul style="list-style-type: none"> ▪ Summary of REEU research site and expectations ▪ Know the mentors and their research. Mentors will present briefly – 5-10 min about their background, career path, and research directions. 	1 June (10.30 AM-12.00 PM)	Phenomics Program	Virtual
Student headshot and brief intro about themselves for project website	Due 1 June, 5 pm	Student	Self-Organized
Phenomics Data Boot Camp <p>June 1:</p> <ul style="list-style-type: none"> ▪ Research Basics – Best Practices – Sutton Mooney: 2-3 pm ▪ Role of data science advancements in Ag – Ananth Kalyanaraman: 3-4 pm ▪ Molecular genetics/Basics in genetics – RNA, DNA – Central dogma – Yu Ma: 4-5 pm <p>June 2:</p> <ul style="list-style-type: none"> ▪ Breeding cycle (genetic gain, process, timeline, challenges) – Field crops – Arron Carter: 9-10 am ▪ Breeding cycle (genetic gain, process, timeline, challenges) – Tree fruit – Kate Evans: 10-11 am ▪ Phenomics – Sindhuja Sankaran: 11 am -12 pm ▪ Genomics – Mike Pumphrey: 1-2 pm ▪ Statistical genomics – Zhiwu Zhang: 2-3 pm ▪ Ag basics – Strategies to improve production and management - why we need to grow more food, role of breeding, other strategies – precision management. – Clark Neely: 3-4 pm 	1 June, 2-5 PM 2 June, 9 AM – 5 PM	Phenomics Program	Virtual
Research project (research-project and mentor preferred)			

<ul style="list-style-type: none"> One-on-one meeting with mentor and team. Research orientation & project development 	3-4 June 1-page document describing brief background and research objectives due at 5 pm on 7 June	Mentor-Student	Virtual/In-person
Welcome to Research at WSU – Virtual Orientation and Icebreaker Event	7 June	OUR	Virtual
Research project (research-project and mentor preferred) <ul style="list-style-type: none"> Literature review Research project implementation 	28 May – 4 August 1 June – 4 August [1-2/week] 1 June – 4 August	Mentor-Student Student Mentor-Student	Virtual/In-person
Student-faculty interaction and student-student communication <ul style="list-style-type: none"> REEU student-faculty REEU student-graduate student/research associate 	1 June – 4 August [1-5/week]	Mentor-Student	Virtual/In-person
Student reporting <ul style="list-style-type: none"> Progress presentation Abstract submission https://summerresearch.wsu.edu/visiting-students/ <ul style="list-style-type: none"> Project report 	2 July Due: 14 July Due: 3 Aug	Student	Virtual
<ul style="list-style-type: none"> Poster presentation at WSU Summer Virtual Research Symposium 	Phenomics program [10.30 AM to 12.00 PM] 30 July	OUR	Virtual
<ul style="list-style-type: none"> Participation at WSU Summer Virtual Research Symposium 	Other programs [10.30 AM to 12.00 PM] 3 Aug, 6 Aug	OUR	Virtual
Professional/career development <ul style="list-style-type: none"> Research brown bags Graduate education Abstract development workshop Oral presentation preparation workshop 	Every Thursday 12-1 pm PST [June 10, 17, 24; July 1, 8, 15, 22] 14 June 11 am-12 pm 30 June 12-1 pm 19 July 12-1 pm	OUR	Virtual
Introduction to Extension (Dr. Lisa DeVetter)	24 June, 11-11.30 am	Phenomics Program	Virtual
Field Trip (Wenatchee, WA, Host: Dr. Kate Evans)	9 July	Phenomics Program	In-person
Field Day Participation	Farmington Field Day (1 July) Raspberry Field Day, Lynden, WA (14 July, 1-3 pm) Honeycrisp Meet-Up, Prosser, WA (22 July, 10 am-12 pm)	Phenomics Program	In-person OR Virtual
Entertainment <ul style="list-style-type: none"> https://summerresearch.wsu.edu/summer-in-pullman/ [In Pullman] https://www.tripadvisor.com/Attractions-g58622-Activities-Mount_Vernon_Washington.html [Mt. Vernon] https://www.tripadvisor.com/Attractions-g58820-Activities-Wenatchee_Washington.html [Wenatchee] 	7 June – 4 August	Self-organized	In-person
Phenomics Program Closing	4 August (9-10 AM)	Phenomics Program	Virtual
REEU program evaluation survey	4 August (10-11.30 AM)		

Departure from WSU campus	5 August	-	-
Post-Summer Program Survey	9 August	OUR	Online

Other resources: <https://summerresearch.wsu.edu/training-videos/>