





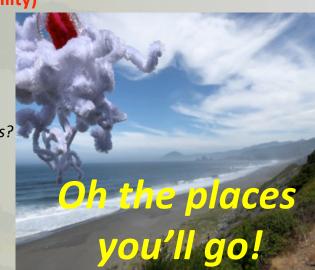


# BUILD NEW CONNECTIONS





- Academic priority K-12, urban/rural communities, tribal majority schools
  - Not always well-funded, or valued, often ignored, subjected to standardized testing that primarily benefits others.
     Complex brain development underway, unacknowledged diversity, mental health...
- Homeless youth (p:ear), incarcerated youth (MacLaren Correctional Facility)
  - "It's like people see me as an object, not as a human being"
- Young graduate researchers, undergraduates (PSU, OHSU,...)
  - How does my research relate to the world? How can I explain it?
  - Where can I go from here? "Alternative careers" in science...
- Artists: Painters, Dancers, Storytellers, Musicians
  - How does my work relate to other fields? How do I connect with new audiences?
  - How is my practice influenced and enriched by discoveries about the brain?
- Area businesses (BioGift, Intel, Velo Cult, Hospitals)
  - How can we better connect with everyone in our community?
- Members of the public
  - Why are my taxes spent on research? Art? What are we discovering? Making?



## Why art & brains..?

- Motivation, engagement, empathy
- Exploration, creativity, INNOVATION
- Personal relevance of STEAM material

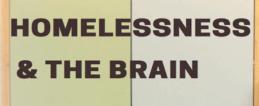












Thurs, Oct 19th 10am - 1pm



p:ear mentor gallery 338 NW 6th Ave

nwnoggin.org pearmentor.org

STREET KIDS ART NEURO-SCIENCE











## Synapses, Stories & Song

Confederated Tribes of the Grande Ronde, Siletz



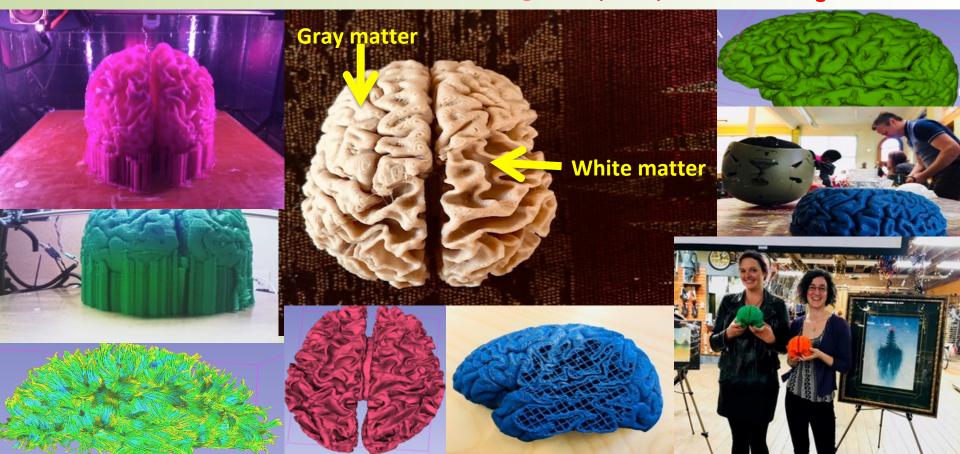






## **Art + Neuroscience = 3D printed brains**

Collaboration with Make + Think + Code @ PNCA, Intel, PDX 3D Printing Lab!





### FRI OCT 19

B\*\*\*\*\* OF THE SUN SHANNON ENTROPY DISENCHANTER MOUTHBREATHER STARGASM





## Connect. And copy!

**REACH OUT. PARTNER. GO PLACES.** 

There are resources in ALL our communities...

 Public schools, hospitals, art museums, homeless shelters, youth correctional facilities, pubs, retirement homes,...

 And don't wait for institutions, especially if they focus more on preserving administrative structures instead of fulfilling their mission...



#### Making a pipe cleaner neuron...

1. Start with a good amount of (colorful) pipe cleaners, I have 20 here.



2. Create the soma or cell body by linking several pipe cleaner hoops together.



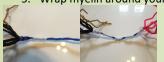
3. Attach dendrites to your soma by wrapping them around the soma pipe cleaners.



4. Attach axon terminals to the other end of your axon.



5. Wrap myelin around your axon.



## **MAKE CONNECTIONS**

**MAKE ART** 

6. Create a nucleus for your soma by wrapping two pipe cleaners around each other.
Attach your nucleus inside your soma. You have a neuron!



