Emphasis on Nature
Melissa Brown
Using the principles of regenerative architecture, can we positively influence the environment of a building, to provide a healthier quality of life?
CLAIM

The environment can help create spaces that externally effect human societies well being. Being able to connect these intertwined relationships provides a holistic experience that embraces the person as a whole to be able to cope and heal.
Research Laboratory:
That will focus primarily on research that extracts natural molecules to treat cancer instead of using synthetic molecules.

Treatment Facility:
Will be able to treat any type of cancer on an out patient bases. Which will include radiation, chemotherapy, minor surgical procedures, breast cancer check ups, gastroenterology and stem cell transplant recovery.

Rehabilitation Center:
Utilizing contemporary and alternative medicines like therapeutic techniques, exercise like yoga an Pilates, spiritual needs, imaging, dietary and lifestyle changes. Basically, anything that will help with the healing and coping processes.
Wisconsin
Turkey River
Mississippi River
Site
Iowa
Oak Road
Great River Road

Millville Township, Clayton County, Iowa
Phytoremediation:
A process that uses various types of plants to remove, transfer, stabilize, and/or destroy contaminants in the soil and groundwater.

Phyto-Extraction:
The uptake of contaminants by plant roots and movement of the contaminants from the roots to aboveground parts of plants. Usually used for metal contaminants in the soil.

Hydraulic Control:
Trees indirectly remediate by controlling groundwater movement. Trees act as natural pumps when their roots reach down towards the water table and establish a dense root mass that takes up large quantities of water.
Initial Concepts

Research  
Nature  
Well-Being  
Treatment

Casr Studies

Maggie Centers

Dell’s Children Medical Center
MY PERSPECTIVE

There has been an interconnected growth that has unexpectedly shown up throughout the entire project. When I started thinking about the type of thesis I wanted to develop it started off with just the environment and how a building can positively influence it. After thinking about it a bit more it then changed into how a building can positively influence people who are sick, which later turned into cancer patients. My personal effect of dealing with cancer is more indirect, in that I saw and dealt with it from caring about people who have been directly affected by cancer. This is how I started to develop my buildings were from the perspective of somewhat of an outsider and providing a place that not only took care of the patient but the entire supportive system that was coping and healing. Cancer is a life changer, a persons whole lifestyle has to change to accommodate and the toll it takes its a huge one everyone around a person diagnosed needs to be strong in order to be there for the cancer patient specifically.
- Don't need the connection
- Walkway to garden outside area
- Useless space
1 level
- no ramps or vertical connections
- greatest a floor with the layout of walls

Shared entrance for both research/teaching

Research/teaching
Wellness
Eating
Access to laboratory connections

Entrance
1. Atrium Space
2. Receptions and Waiting Area
3. Pharmacy
4. Consultation Rooms
5. Chemotherapy Area
6. Draw station
7. Gastroenterology Area
8. Radiation Therapy
9. Surgical Rooms
10. Meeting Spaces
11. Private Space
12. Exercise Therapy Area
13. Dietary Area
14. Resource Area
15. Dry Laboratory
16. Wet Laboratory
17. Research Area
18. Offices
19. Herbal Garden
20. Wetlands
21. Healing Walking Garden
22. Memorial Sanctuary
23. Parking
24. Storage
25. Service Road
Geo-Thermal
The wetlands located on the property act as a supply for geo thermal for cooling and heating the buildings.

Water Harvesting
The atrium structure becomes the main connection of transferring water for collection and use.
Healing Walking Garden
Herbal Garden