Behind Fungi Lines

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What is Fungus!?

- Fungi includes mushrooms, mold, and yeast
- Has one gene per trait
- Fungi is in food and medicine
- Causes diseases in both humans and plants
- Spoils food
- Can be used to make penicillin
What are the scientists trying to figure out?

- Identify the different spores in fungi
- Find relations between fungi and diseases
What is the importance of this research?

Understanding fungus allows scientists to:
- Stop fungi related diseases
- Create new medicines
- Prevent fungi from growing on crops
- Try and see if they can change it and keep it from getting into food
How do computers help in this process?

- Connects to the microscopes and looks closely at the slides.
- Controls microscope automatically.
- It helps look at the structure.
How can we help?

As a computer scientist we can help by making 3D models of the fungi's structure to figure out which is which.