

Obviously turning the dissertation into a book is post-grad project #1. I want to see it in print. (well, I guess, finishing it is project #1.... then book)

My diss work has several obvious spinoffs I'd like to follow through, too—a piece on endophenotyping as an epistemic product of big data, and some commentary on the ethics of data reuse. The moral economy of collectors and computationalists in mol bio is a throughline in all of the projects listed here, but I'd like to do a standalone piece on that as well, maybe as a revisit of the 90s moral economy stuff that you don't see too much anymore. I also want to write a methods piece on following data rather than following controversy in big data sciences—I've learned a lot doing this project and I think some of it would be useful to others.

I'd like to do a project on microbial strain libraries, how intellectual and affective lineages become cataloged in commercial freezers, and how periodic strain revival in turn thaws these connections. I want to interview my dad (a microbiologist) before he retires (soon) and the women he's employed to manage his own, large collection; I want to dig into the published work of the people whose collections he's inherited (mostly deceased, though I'd like to talk to who's left, and find their collection managers/traces of them in the literature); I want to follow his strains into the libraries of his students and collaborators after he's done to see where they go and who cares for them. I see this as a story that could tie together a larger account about how these libraries work as a form of social organization in the field of microbial ecology broadly. This is both a deeply personal project (tracing my own affective investment in collections) and an abstractly interesting one—I think it touches a lot about the kinds of intellectual management that have historically been women's work in molecular biology; the material culture of microbiology; the role of collections in shaping disciplines and lineages; a bunch of other stuff.

I'd like to do something at the Marine Biological Laboratory, maybe with the Marine Resources Center people? The daily maintenance of living specimen collections, the trawling boats, the rhythm of it. This would take at least a season of fieldwork. The relationship between living and "still" or "data-based" collections is really underexplored, this could be a starting point for that. I want to have a reason to live in Woods Hole for a moment.

Plants, like the type specimens you sometimes find in old archives?? Type specimen collections are wild in the general sense, but native plant specimen and seed collections just seem really interesting. Plants are as unruly as more charismatic organisms in collections, and more absent—they're replaced with biological illustration much more frequently than other forms of life I'd like to dig into why that is, and what the representational politics of biological collections tell us about the organization of expertise and the politics of studying living things.

Something on collections as what remains. Thinking not just with fossils, but what collections represent after extinction; after climate and habitat change (when things still exist but not where they were collected); but also as representations of older epistemic modes (there's some HPS work on this already but I think it would tie into contemporary empirical work well)

I want to work with the lab managers and technicians and archivists and computationalists and the people who do this work... not just the PIs who employ them and rationally reconstruct their labor post hoc. I want to see all these groups represented in the social science literature *as scientists* who have meaningfully and creatively reshaped these fields, not just as the tinkerers and hired help that make science possible. I want to produce work that recognizes and values their labor, and which is useful in their fight for citational and professional recognition and better wages.

I want to be working on:

- Collection management labor—gendered, racialized, disciplinary/disciplined

- Epistemology of big data and data reuse

- Microbes in collection and the history of ecological microbiology

- Living organisms in collection (beyond model organisms)

- Politics of biological and biomedical database in/exclusion

- Database ethnography, critical data studies methods