HAAG Weekly Report Week 7

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Time-Log

What did you do this week?

- Annotated 243 images
- Created a plan to integrate the annotator into the web app

What are you going to do next week

- Keep website updated
- Integrate annotator into web application

Blockers, things you want to flag, problems, etc.

- None

Abstracts:

Link: https://dl.acm.org/doi/pdf/10.1145/2470654.2470725

At the Interface of Biology and Computation

Representing a new class of tool for biological modeling, Bio Model Analyzer (BMA) uses sophisticated computational techniques to determine stabilization in cellular networks. This paper presents designs aimed at easing the problems that can arise when such techniques—using distinct approaches to conceptualizing networks—are applied in biology. The work also engages with more fundamental issues being discussed in the philosophy of science and science studies. It shows how scientific ways of knowing are constituted in routine interactions with tools like BMA, where the emphasis is on the practical business at hand, even when seemingly deep conceptual problems exist. For design, this perspective refigures the frictions raised when computation is used to model biology. Rather than obstacles, they can be seen as opportunities for opening up different ways of knowing

Summary: This group created an Bio Model Analyzer (BMA), and showed how their tool was accepted into a community, and how scientists are dealing with the fast changing landscape of technology.

What did you do and prove it

I annotated 243 images. I decided to take a break from this for now to work on the web application. Since ml-morph is a platform that can deal with many types of animal marking, I decided to integrate my annotator into the app. This will make it so that the user will be able to fix any landmarkings that are not to their liking before downloading. Here is an image of the most recent image I have marked:

```
11232   1132.00 1159.00
11233   787.00 1135.00
11234   825.00 802.00
11235   647.00 723.00
11236   537.00 545.00
11237   961.48 919.76
11238   950.09 857.11
11239   826.70 800.16
11240   830.50 900.78
11241   1640.10 887.49
11242   1615.42 800.16
11243   1499.62 881.79
11244   1522.40 938.75
11245   1875.51 2213.31
11246   1624.92 2209.52
11247   1662.88 2310.13
11248   750.76 2321.52
11249   779.24 2211.41
11250   545.74 2272.16
11251   IMAGE=all_auto_images/processed_May 16th Miami 3_05-16-2024 17_25_04_1-18.jpg
11252
```