Coolest Research Finding EVER!

You[2], Fabulous Helpers[1,2] First Lastname[1], First Lastname[3], First Lastname[3], and Wise and Wonderful PI[2]

Your College, Your town, Your town and state, zip

This poster was created as a cautionary tale by A. Fales-Williams, DVM, Ph.D., Dipl. ACVP, a cautionary tale in her own right…

Abstract

A brief summary of our scientific breakthrough; why it matters, the method we used, and the relevant conclusions. This abstract is **so** tantalizing that all passers-by will want to stand here and read the rest of this poster! In fact, this abstract is the most amazing abstract in the whole abstract book and has been highlighted and dog-eared by multiple scientists, who are all eagerly waiting their turn to come visit your poster and be dazzled by your scientific wonderfulness.

Introduction

Why this study is crucial to the well-being of mankind and humankind; how it fits in with prior research, and why our technique/hypothesis/ findings will change the world. You will have lots to say here and may have to work hard to carve it down to a reasonable size.

Hypothesis:

Do not skip this part! What, specifically, were you trying to answer with this research project?

Study Aim

Here's the short cut clue to this whole poster and last three months of endless toil.

Methods

Here, summarized in a deceiving short few lines, is what we spent the last three months learning, fixing, and doing over and over again.

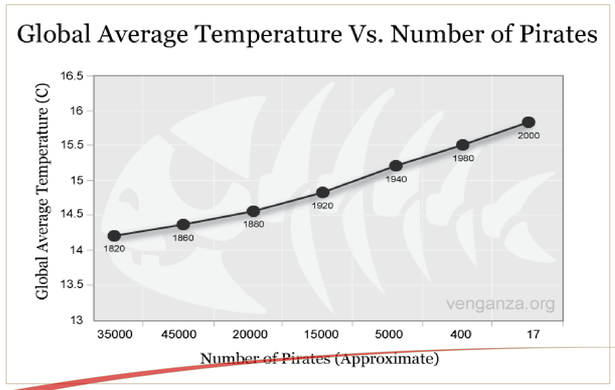
Include, where appropriate:

Population tested:
- ***Cell lines***
- ***Type and number of animals used***
- ***Control populations***
- ***Survey population***

Test method:
- ***Infection routes, dosages, times, agents***
- ***PCR target***
- ***survey development***
- ***Sham dosages***
- ***antibody used, concentration, exposure time***
- ***negative and positive controls***

Statistical methods & software employed

Diagrams can be particularly useful here if you need to show propagation of a colony or cell line, or insertion of a vector.



Graph 1. Example of a fun graph that you can find on the web. This graph basically says nothing and is therefore, unfortunately, not referenced anywhere in the text, which of course would be a big no-no in your poster.

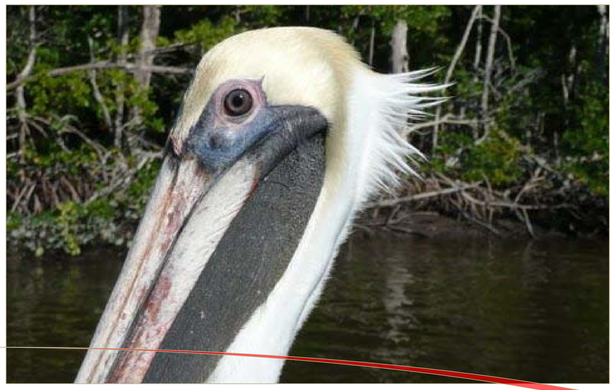
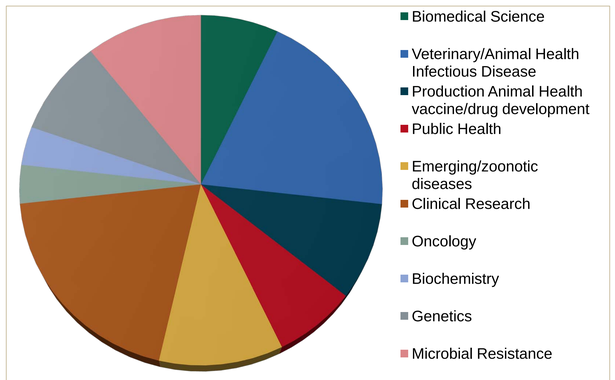


Image 1. Scheming Pelican riding an airboat, hoping for fish. Florida Everglades. This photo has nothing to do with the rest of this poster, but look, it's a pelican!



Graph 2. Responses from 2008 Summer Scholars regarding what areas of research they would consider entering after veterinary degree. N = 19

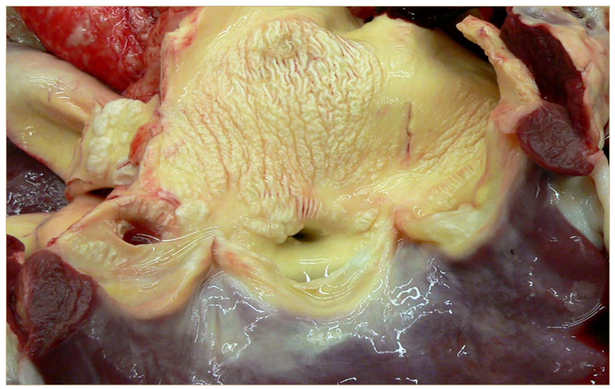


Image 2. Aortic root, horse. There is severe mineralization of the aortic subintima and tunica muscularis, cause unknown. Again, this image has nothing to do with this poster, but would you cross the room to find out more about it? (Fales-Williams, JVDI, 2008.

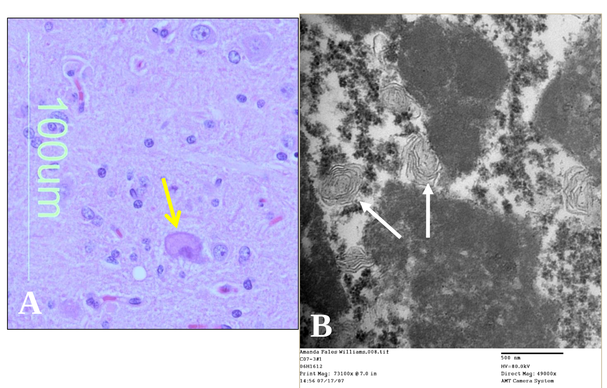


Image 3. Cerebrum, mixed breed dog with Neuronal Ceroid-Lipofuscinosis. A: photomicrograph, H&E stain, bar = 100um, swollen neuron, yellow arrow B: electron micrograph, bar = 500nm. Thumbprint pattern of lysosomal storage material, white arrows.

Image 4. Googly eyed carbohydrate consuming creature bearing some resemblance to certain anatomic pathologists. I've always wanted to put this in a poster.

Methods continued

Some posters need more space for methods, others for results. Given the time frame of summer projects, there is usually more to report about the type of method used, why is it novel, or what optimizing techniques were applied.

Results

Here are the numerical results, best presented as graphs, photomicrographs or tables. Some meaningless data is presented in Graph 1. While each graph or figure should stand alone, this is a good place to describe the relationship between the graphs or tables presented. As noted in Graph 1 and Image 1, there is no connection except both sort of involve water. Images 2, 3 and 4 provides support for the theory that a pathologist was indeed involved with the making of this poster. Allow for plenty of room for high quality photomicrographs, graphs, tables, blots, etc.

Discussion

Data interpretation in context of hypothesis This is the crux of scientific method, right here.

Conclusions

Less words = more impact.

These result support our hypothesis and/or challenges prior literature in this specific way.

Audience should walk away knowing :

1. This
2. This
3. And most importantly: **This**.

Blank space is generally bad, so arrange your images, charts and text to maximize impact.

Acknowledgement: Insert names here.
Include funding sources
Especially helpful resources outside of lab (i.e. did someone take photomicrographs or digitize radiographs for you?)
Lab folk not listed as authors that contributed to results or your learning

Cite relevant literature (3-5 articles)

You never know who's going to come and look at your poster! Could be the author of major papers in your field, so wouldn't it be great if you've cited his/her work?

Send Nobel Prize, job offers or questions here: From the Departments of Department[1] , Department[2], Department[3], and Department, University of School Name