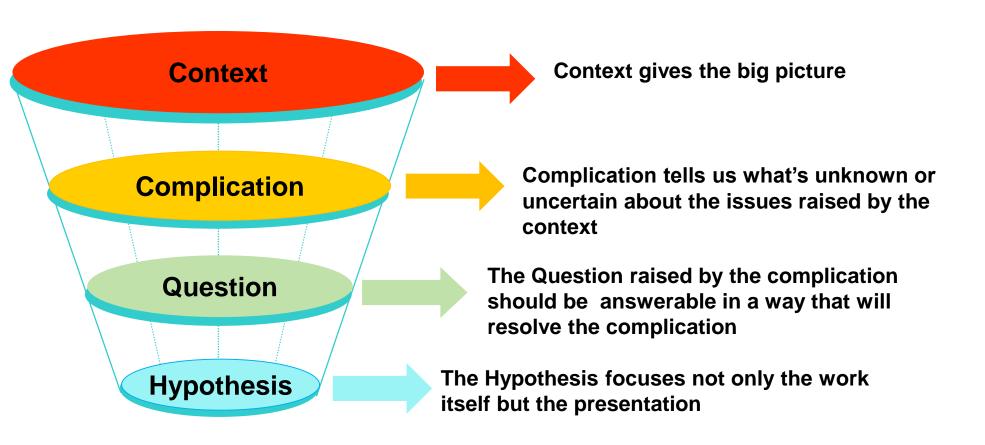
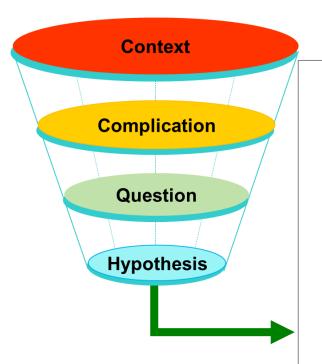
Recall that we begin a presentation with the introductory CCQH pattern -- moving from "big picture" to well-defined problem/hypothesis



This introductory rhetorical pattern is like a funnel – moving from the big/general to the narrow focus of the hypothesis

And recall how in Part 1 we applied the CCQH pattern to create an introductory slide for an actual neuroscience experiment



Our research work: how Amyloid-β oligomers/dimers isolated from deceased human subjects can impair synapse structure, function

Why this research is important

Alzheimers disease (AD) is a critical health problem. Disease distinguished form other dementias by accumulation of Amyloid- β

What we know and don't know

Neuronal alternations can be induced in mice by using synthetic Amyloid- β peptides; Amyloid- β species from cultured cells; Amyloid- β assembly forms.

But soluble Amyloid- β extracted from humans has not been used; and thus pathogenic activity from human species is unknown.

Our experiment

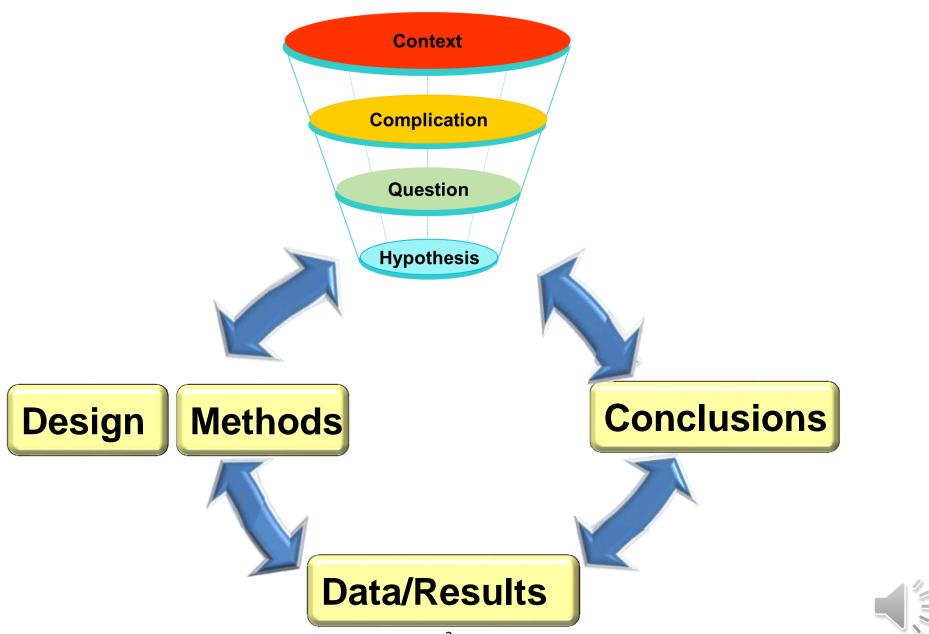
Use soluble Amyloid- β oligomers isolated from cerebral cortex of deceased human subjects with Alzheimer's disease to induce Alzheimer phenotypes in normal adult rodents

Our hypothesis

Soluble A- β from human Alzheimer's diseased brains would impair synapse structure and function, specifically by the actions of A- β oligomers and dimers.

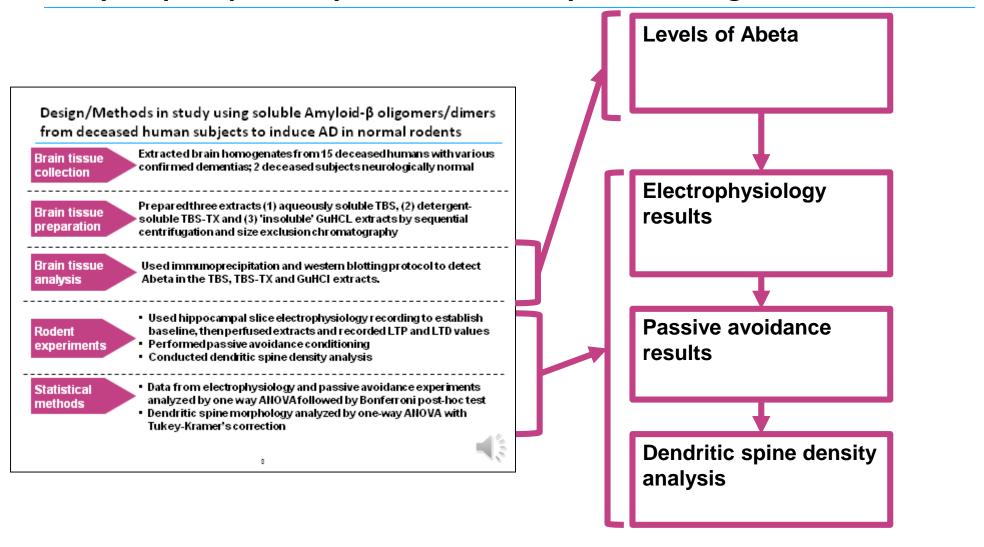
10

After the intro we need to create the other three components of the presentation – Design/Methods; Data/Results; Conclusions



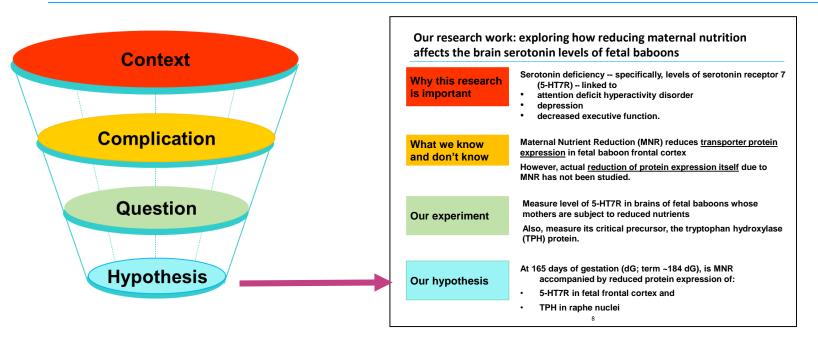


Your Data/Results make up the bulk of your presentation; make sure they map on precisely to the methods you used to gather data



Avoid the hazard of getting bogged down in data discussion – keep in mind that you should devote 1 to 1.5 minutes per slide

Finally conclusions should circle back to hypothesis: was hypothesis correct? If so why, if not in whole or part, why not? ONE SLIDE.



Conclusion: soluble Abeta oligomers extracted from Alzheimer'sdisease brains potently impair synapse structure and function



Final structure – Organize with 10-12 slides max – 1 to 1.5 minute of talking per slide (exception Intro) should be the outer limit

