Speaking about (any) Science

Virtual Talks

Scott Morgan

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Larger relevance (part 1)
Single question (!)
Concept/method/data
Summaries
Single Take-home-message
Animation
Personal and vocal energy
Relevance (part 2)
Hour Glass Format

Relevance

Single Question

Concept
Methodology
Data

Take-Home -
Message

Future Steps
Relevance Part 2

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The larger research issues/problems in my field are:

I work on:
  Why?

This project focuses on:
  Why?

Specifically, I want to know:
Why should my peers listen to my talk?
The beginning of the talk should address:

a) The larger relevance of my work.
b) Current problems in our field.
c) The interests of the listeners.
d) All the above.
Relevance

Single Question

Concept
Methodology
Data

Take-Home -
Message

Future Steps
Relevance Part 2

Hour Glass Format
How well can 3D mapping predict field measurements?
What is the functional relationship between GATA-3 and estrogen receptor?
At what age do children appreciate neuropsychological data?
We describe measures of the economic burden of cancer and present current estimates and projections of the national burden of cancer in the US. We discuss ongoing efforts to characterize the economic burden of cancer in the US and identify key areas for future work, including developing and enhancing research resources, improving estimates and projections of economic burden, evaluating targeted therapies, and assessing the financial burden for patients and their families.

MQ: How can we improve estimates of economic burden for cancer patients and their families?
A single umbrella question helps listeners to:

a) Focus on the main idea.
   b) Follow my logic.
   c) Appreciate my findings.
   d) Works beyond virtual talks.
   e) All of the above.
Main Question

What is the functional relationship between GATA-3 and estrogen receptor?

Take-Home Message

GATA-3 coregulates with ER
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Phonological Loop
Reading
Speaking
Listening

Central Executive Function

Visuo-spatial Sketchpad

BADDELEY & HITCH 1976

WORKING MEMORY MODEL
Relevance

Single Question

Concept
Methodology
Data

Take-Home -
Message

Future Steps
Relevance Part 2

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Summarize Continuously!
The images should be:

a) Overcrowded  
b) Static  
c) Heavy on text  
d) None of the above
Visualize Future Steps
The Craft of Delivery

- Side/front lighting
- Use headphone and microphone, but...
- Use speaker phone voice (stand up)
- Professional background (no windows)
- Layer clothing
- Bright colors
- Enthusiasm barometer
The Craft of Delivery

- Side/front lighting
- Use headphone and microphone, but...
- Use speaker phone voice (stand up)
- Professional background (no windows)
- Layer clothing
- Bright colors
- Enthusiasm barometer
- Use your notes
The Craft of Delivery

Most important finding
Virtual Talks need:

a) More repetition
b) More summaries
c) More visual reminders
d) More lights
e) More action
f) All of the above
Future Directions

- The book
- scott@morgangp.com
- 3rdi - mindfulness app
- www.sciencesketches.org
Speaking about (any) Science

Virtual Talks

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