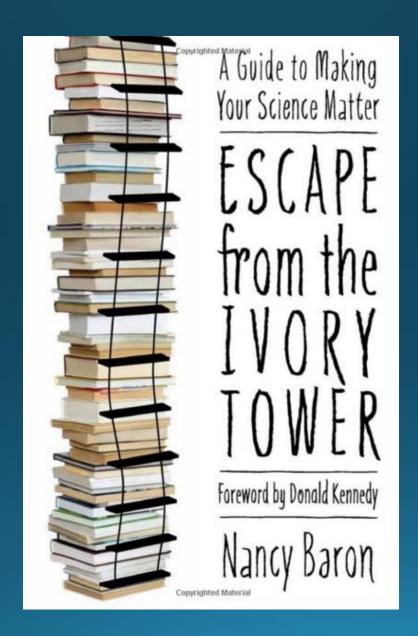
### **Science Communication 101**

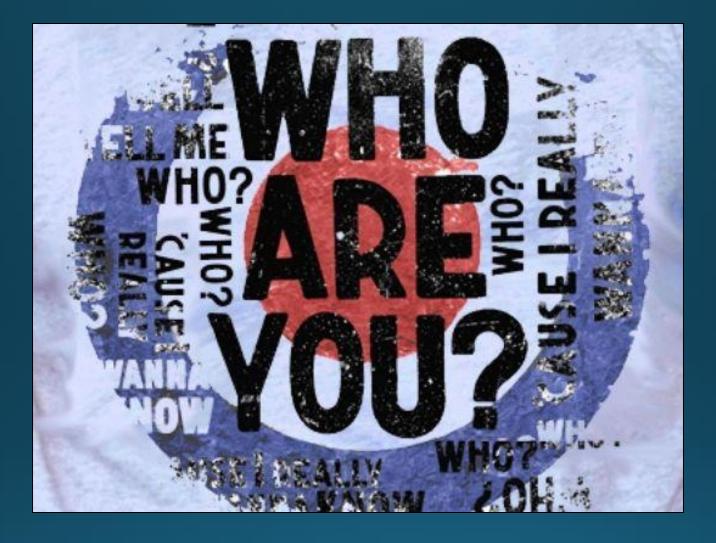
Identifying your Message Knowing your Audience Avoiding Jargon



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### For more information:





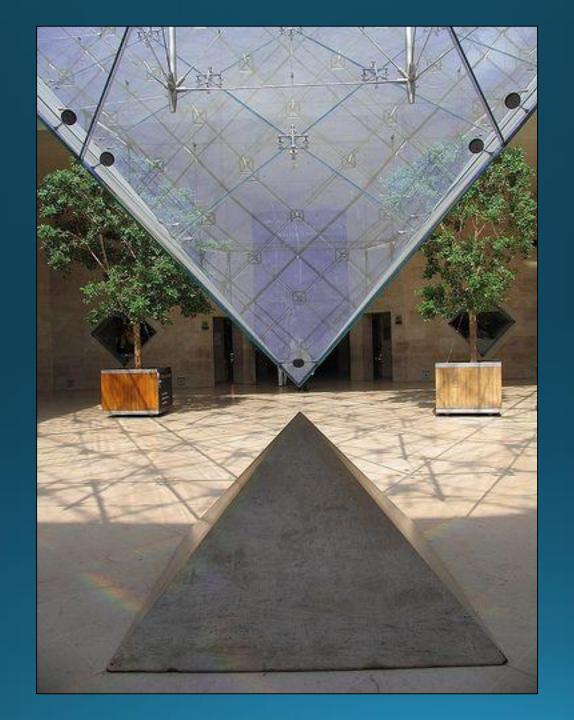
WHAT ARE YOUR CONCERNS WITH RESPECT TO COMMUNICATING ABOUT YOUR WORK?

WHAT DO YOU HOPE TO GET FROM THIS SESSION?

### What this is not...

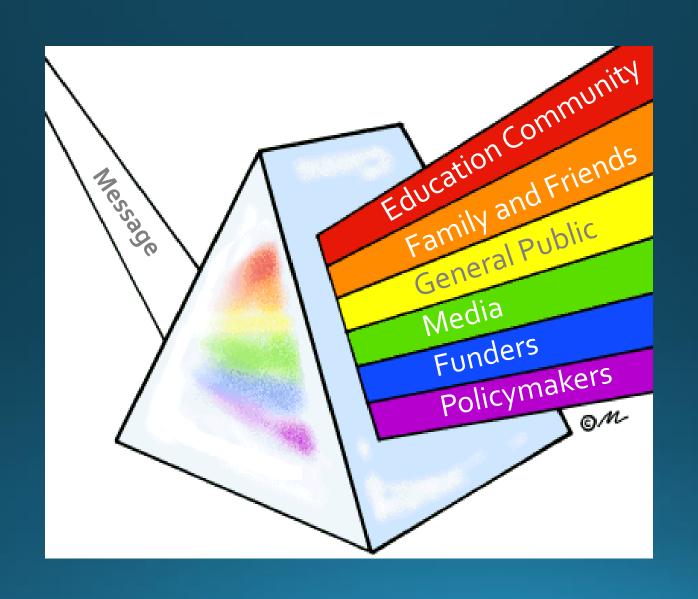


What this is...





#### AUDIENCE - AUDIENCE !



Control

Significant

Theory

```
It was the best of times.
   it was the worst of times"
            - A Tale of Two Cities
"The times were high-variance."
            -An Analysis of Cities (n=2)
```

To conduct a study that will help determine

Elucidated the mechanisms by which...

Foster interdisciplinary collaborations...



To study

Showed how

**Build teams** 

Central nervous system interactions between gustatory afferent activities and the quality and quantity of saliva



Why we drool

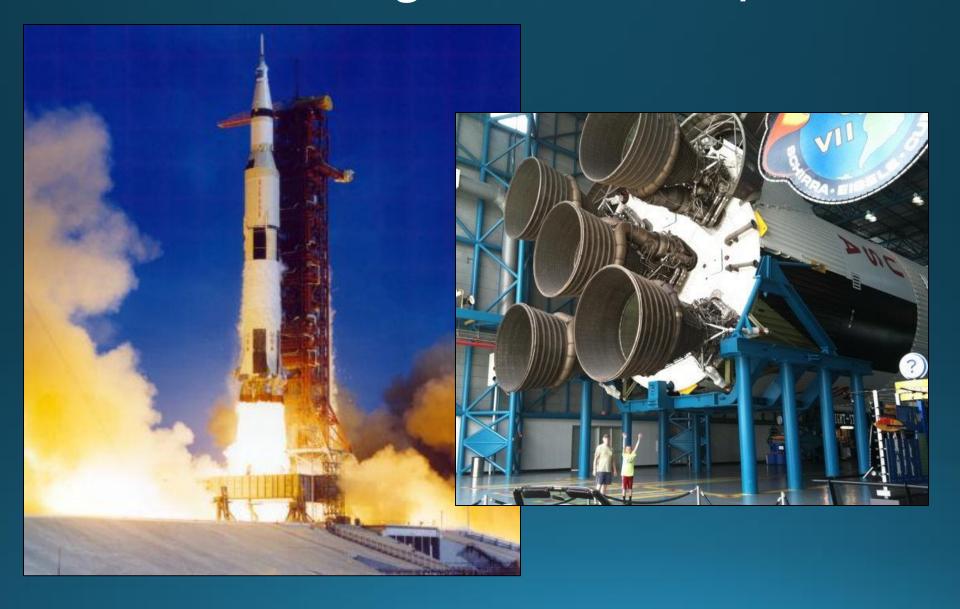
## Simplify "Number Jargon"

32 million Americans = 1-in-10 Americans

"The largest dinosaurs had brains about 8 cm in diameter"

"The largest dinosaurs had brains about the size of a baseball"

# "Number Jargon" – An Exception



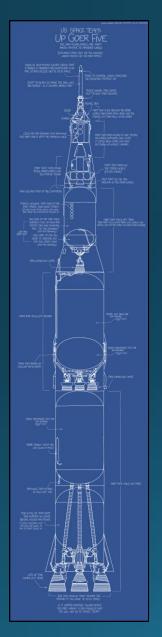
# If you MUST use jargon...

- Keep it to a minimum
- Define it first, and then introduce the term
- Make sure the definition is provided the first time you use the term

But, mostly.....

TRY TO AVOID JARGON!

### Need help avoiding jargon?





## http://splasho.com/upgoer5/

HINTS TOP LATEST LIBRARY



#### THE UP-GOER FIVE TEXT EDITOR

CAN YOU EXPLAIN A HARD IDEA USING ONLY THE <u>TEN HUNDRED</u> MOST USED WORDS? IT'S NOT VERY EASY. TYPE IN THE BOX TO TRY IT OUT.

I investigate the lpr mutation in mice, which results in spontaneous autoantibody production due to premature termination of transcription of the gene encoding the apoptosis-signaling receptor Fas in autoreactive lymphocytes.

I study a change in small animals which makes them get sick because some bad cells in their body don't die when they should.

UH OH! YOU HAVE USED NON-PERMITTED WORDS (INVESTIGATE, LPR, MUTATION, MICE, RESULTS, SPONTANEOUS, AUTOANTIBODY, PRODUCTION, DUE, PREMATURE, TERMINATION, TRANSCRIPTION, GENE, ENCODING, APOPTOSIS, SIGNALING, RECEPTOR, FAS, AUTOREACTIVE, LYMPHOCYTES)

# "The De-Jargonizer" http://scienceandpublic.com

#### **De-Jargonizer** Article Choose Files no files selected You also can insert the text manually: The pr mutation in mice results in premature termination of transcription of the gene encoding the apoptosis-signaling receptor Fas. As a result, pr mice develop severe lymphoproliferation and lupus-like autoantibodies. Growing evidence suggests that the lpr mutation is "leaky" and that low levels of Fas are expressed in lpr mice. To determine if Fas expressed in lpr mice is contributing to apoptosis we generated a novel strain of mice (B6/lprgld) which is homozygous for both the lpr mutation and the gld mutation which encodes nonfunctional Fas ligand (FasL) protein. If low levels of Fas in B6/lgr mice contribute to apoptosis and lessen the severity of disease, the B6/lgrdd mice, which also lack functional FasL, would be expected to develop a more severe form of disease than B6/lpr mice. Our results revealed no significant increase in either lymphoproliferation or autoimmunity in B6/lprgld mice compared to B6/lpr or B6/gld mice. Additionally, no increase in surface expression of Fas was detected by flow cytometry on B6/lprgld lymphocytes compared to B6/lpr lymphocytes. However, histological examination of B6/lprgld liver revealed a marked increase in lymphocytic infiltration. Start Result Common Mid-Frequency: Rare: Score:

Number Of Words:

# "The De-Jargonizer"

#### http://scienceandpublic.com

De-Jargonizer Multiple Text Grading About Instructions Examples Literature Developers How to cite Contact Us **De-Jargonizer** Article Choose Files no files selected You also can insert the text manually: Start Result The lpr mutation in mice results in premature termination of transcription of the gene encoding the apoptosis-signaling Common: 64%, 155 receptor Fas. As a result, Ipr mice develop severe lymphoproliferation and lupus-like autoantibodies. Growing evidence suggests that the Ipr mutation is "leaky" and that low levels of Fas are expressed in Ipr mice. To determine if Fas expressed in Ipr Mid-14%, 34 mice is contributing to apoptosis we generated a novel strain of mice (B6/lprgld) which is homozygous for both the lpr mutation Frequency: and the gld mutation which encodes nonfunctional Fas ligand (FasL) protein. If low levels of Fas in B6/lpr mice contribute to apoptosis and lessen the severity of disease, the B6/lprgld mice, which also lack functional FasL, would be expected to develop Rare: 22%, 54 a more severe form of disease than B6/Ipr mice. Our results revealed no significant increase in either lymphoproliferation or autoimmunity in B6/lprgld mice compared to B6/lpr or B6/gld mice. Additionally, no increase in surface expression of Fas was Score: detected by flow cytometry on B6/lprgld lymphocytes compared to B6/lpr lymphocytes. However, histological examination of B6/lprgld liver revealed a marked increase in lymphocytic infiltration, compared to livers of B6/lpr and B6/gld mice. Our results Number Of suggest that, while low levels of Fas in Ipr mice may not be contributing to amelioration of lymphoproliferation or autoimmunity, Words: they may be partially protecting the liver from abnormalities which arise in the absence of Fas-mediated apoptosis. Download

### Tell A Story

- Make it personal
- Use analogies and metaphors
- Use humor and/or drama
- Provide statistics
- Hook them with something surprising or counterintutive

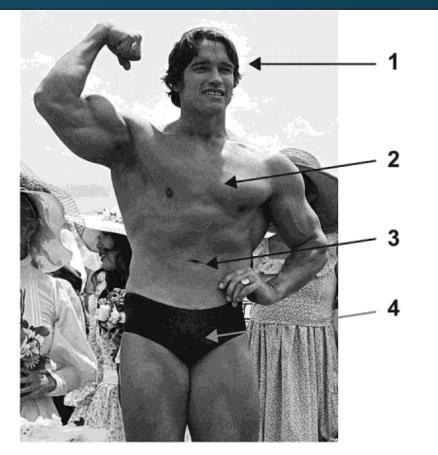


Figure 1-1. The four organs of mass communication. To reach the broadest audience, you need to move the process out of the *head* (1) and into the *heart* (2) with sincerity, into the *gut* (3) with humor and intuition, and, ideally, if you're sexy enough, into the *lower organs* (4) with sex appeal. Photo courtesy of © Mirkine/Sygma/Corbis.

# Be Definitive!





