



We will begin momentarily at 2pm ET



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Have Questions?







"Why am I muted?"
Don't worry. Everyone is
muted except the presenter
and host. Thank you and
enjoy the show.

Type them into questions box!







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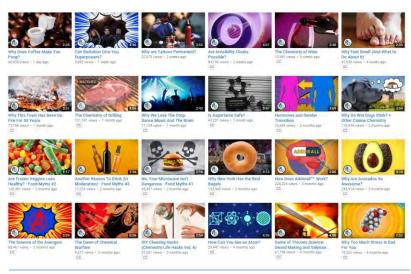


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Upcoming ACS Webinars®

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Thursday, August 27, 2015

"Choices and Trends in Solid Dosage Form Section: Salt, Cocrystal, Prodrug or Amorphous?"

Scott Trzaska, Principal Scientist, J-Star Research **Ronald Smith**, Distinguished Scientist, Merck



Thursday, September 10, 2015

"How to Create a Safer and More Sustainable Lab Through Green Chemistry"

Jeffrey Whitford, Director of Global Citizenship, Sigma-Aldrich David C. Finster, Professor of Chemistry, Wittenberg University





"Science Communication: Visual Chemistry by Design"



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SCIENCE COMMUNICATION

VISUAL CHEMISTRY BY DESIGN

ACS Webinars – August 13, 2015 Andy Brunning



VISUAL CHEMISTRY BY DESIGN

- Why communicate chemistry visually?
- How can we communicate chemistry to a non-specialist audience?
- How can we engage a non-specialist audience?
- What resources can be used to create infographics?



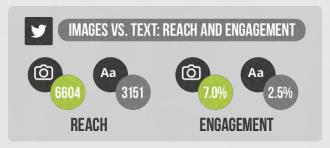






WHY COMMUNICATE CHEMISTRY VISUALLY?

- Chemical structures lend themselves to a visual approach.
- Provides clear and succinct summary of topics.
- Higher online engagement images achieve greater reach and engagement than text.











AUDIENCE INTERACTIVE POLL

WHERE DO YOU USUALLY GET YOUR CHEM NEWS?

(You may choose multiple sources)

- Chemistry/Science-based news sites (e.g. C&EN, Chemistry World, Nature News, New Scientist)
- · General news sites
- Scientific journals
- Social media-based sites (e.g. IFLS)



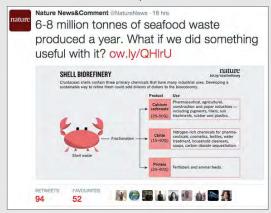






COMMUNICATING RESEARCH VISUALLY

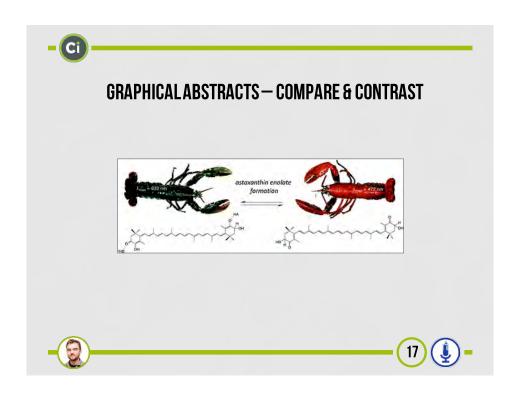
• Some research articles and chemistry news articles include graphical abstracts or summaries, but they tend to be under-utilised.

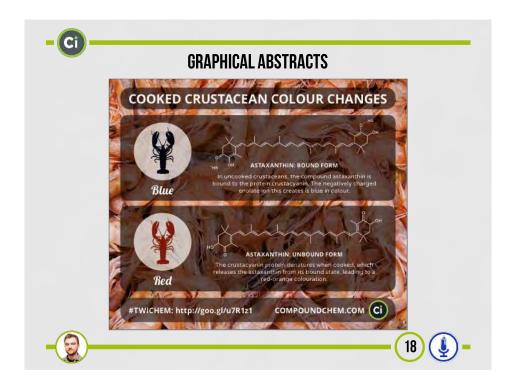


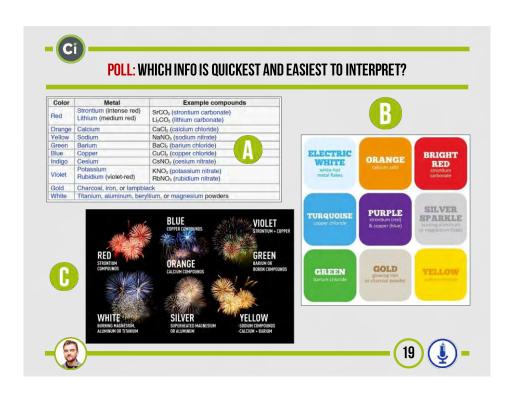
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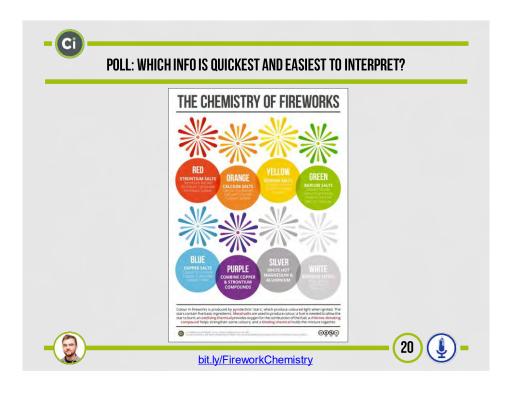


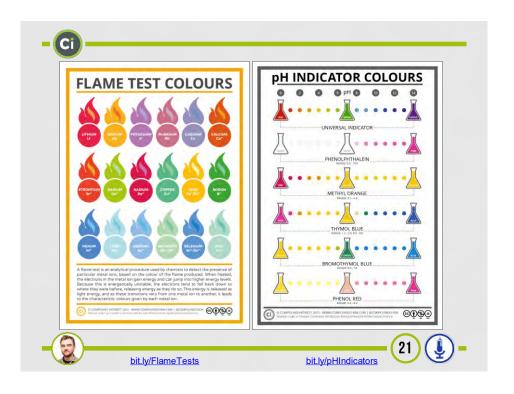


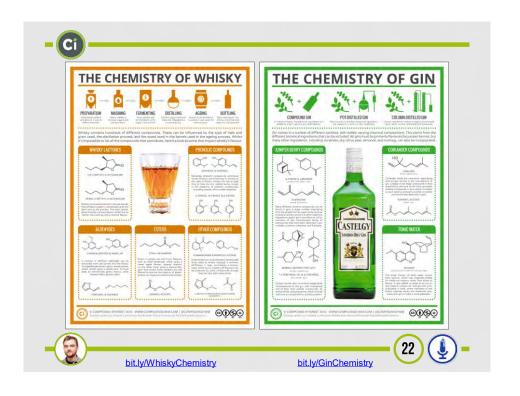


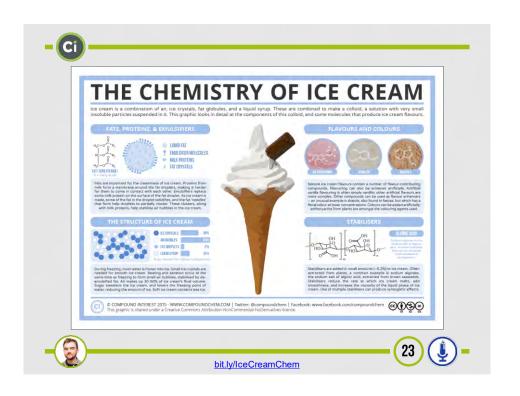


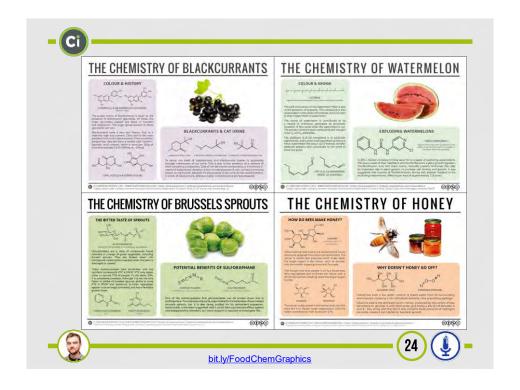


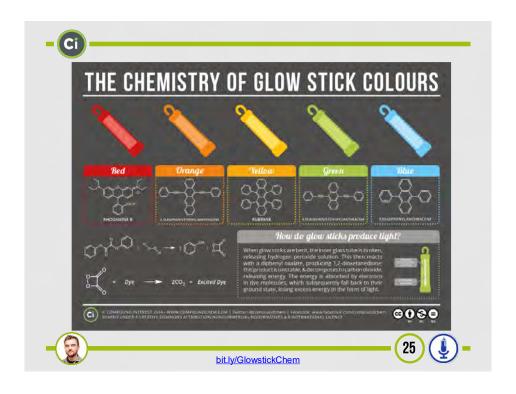


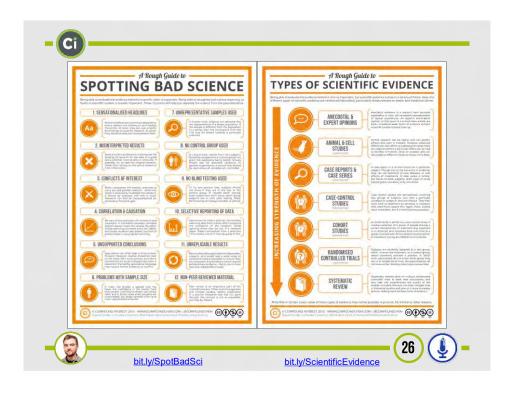














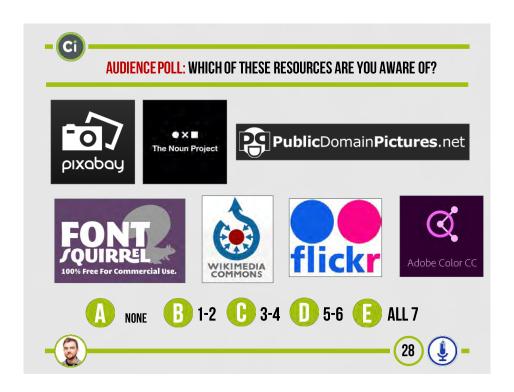
INFOGRAPHIC GUIDELINES

- Avoid 'long' infographics square or rectangular dimensions work best.
- · A general audience needs a 'hook'.
- Good balance of text vs. images.
- Sensible use of colour
- Sensibly sized text avoid lower than size 12 where possible.
- Well-referenced information the #ICanHazPDF hashtag is a useful one on Twitter if you don't have access to particular journals containing studies of interest.
- For general audience: use technical terms sparingly, or accompanied by explanations.
- · Consider license graphic will be shared under.











INFOGRAPHIC RESOURCES



ChemDraw

Chemical drawing program. Also allows tweaking of appearance of chemical structures.



Adobe InDesign

Desktop publishing program. Other, free desktop publishing programs are also available online.



Pixabay

Very useful resource for public domain pictures (freely usable). <u>publicdomain pictures.com</u> is another.









INFOGRAPHIC RESOURCES



Font Squirrel

Useful site for free font downloads. WhatTheFont.com allows image uploads to identify fonts.



Adobe Colour CC

Free online colour picker that will also automatically generate complementary colours or shades.



The Noun Project

Free icons for design projects. Most are CC licensed, though there are some public domain icons as well.









TAKE-AWAY IDEAS

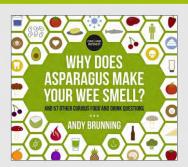
- Consider the use of **simple infographics** to help communicate chemistry topics or research.
- Make use of **free resources online** to help produce visual communications.
- Avoid over-complication keep communication as jargon-free as possible, and don't over-crowd the design.



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THE COMPOUND INTEREST BOOK

8 OCTOBER 2015 IN THE UK Early Spring 2016 in the US

Focusing on the chemistry of food and drink – clear chemical explanations for strange effects.

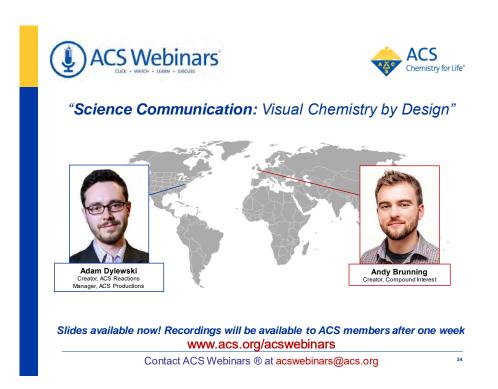
bit.ly/whydoesasparagus





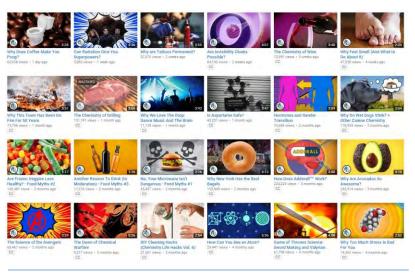












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