

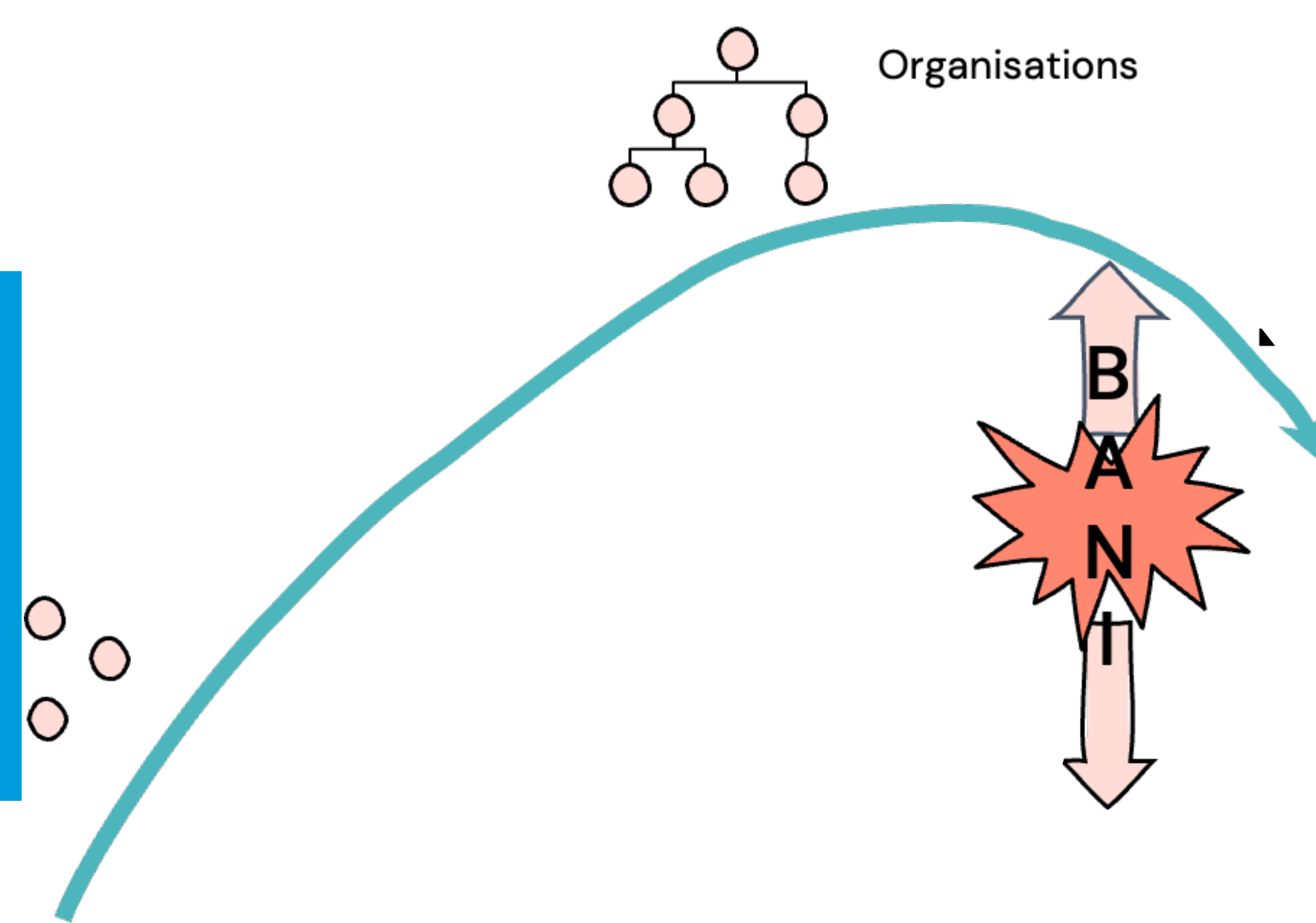
A DISRUPTIVE CONNECTOR LEARNING & EXPERIMENTING WITH GENERATIVE ARTIFICIAL INTELLIGENCE TOGETHER

AAMC – GIR Webinar | June 11, 2024

Elissa Hall, Heather Billings, Andrew Maunder, Henrika Florén, Teresa Sörö | June 2024 | AAMC GIR Webinar

A STATE OF URGENCY

B	Brittle	The strong and stable systems around us are suddenly collapsing.
A	Anxiety inducing	Systems that trigger anxiety pose problems, but not solutions. Things that used to be trustworthy seems now false or alien.
N	Nonlinear	Systems around us don't act as we expect. Cause and effect don't match in scale or speed.
I	Incomprehensible	The logic that we used to use, does not work to explain what we have at task.



What is one thing, that has surprised you about AI?



Why a Promptathon?

- Learn together as a **community**
 - Inclusive invitation to participate
 - Seeding
- **Experiment** with Gen-AI
- **Co-creation** and social knowledge construction

OUR TEAM



Heather Billings, PhD, MA
Faculty Development
Mayo Clinic



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Teaching and Learning,
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Advanced Digital
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Head of continuous
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TOGETHER WE WILL:

Learn as a Community.

- Engage and collaborate as part of this experience
- Invite curiosity and inquiry

Pinpoint your Commitment to Action.

- Establish mutual readiness
- Accelerate abilities

Overview of the webinar:

Why?

The Need & Inspiration

What?

Our Approach

So What?

The Experience

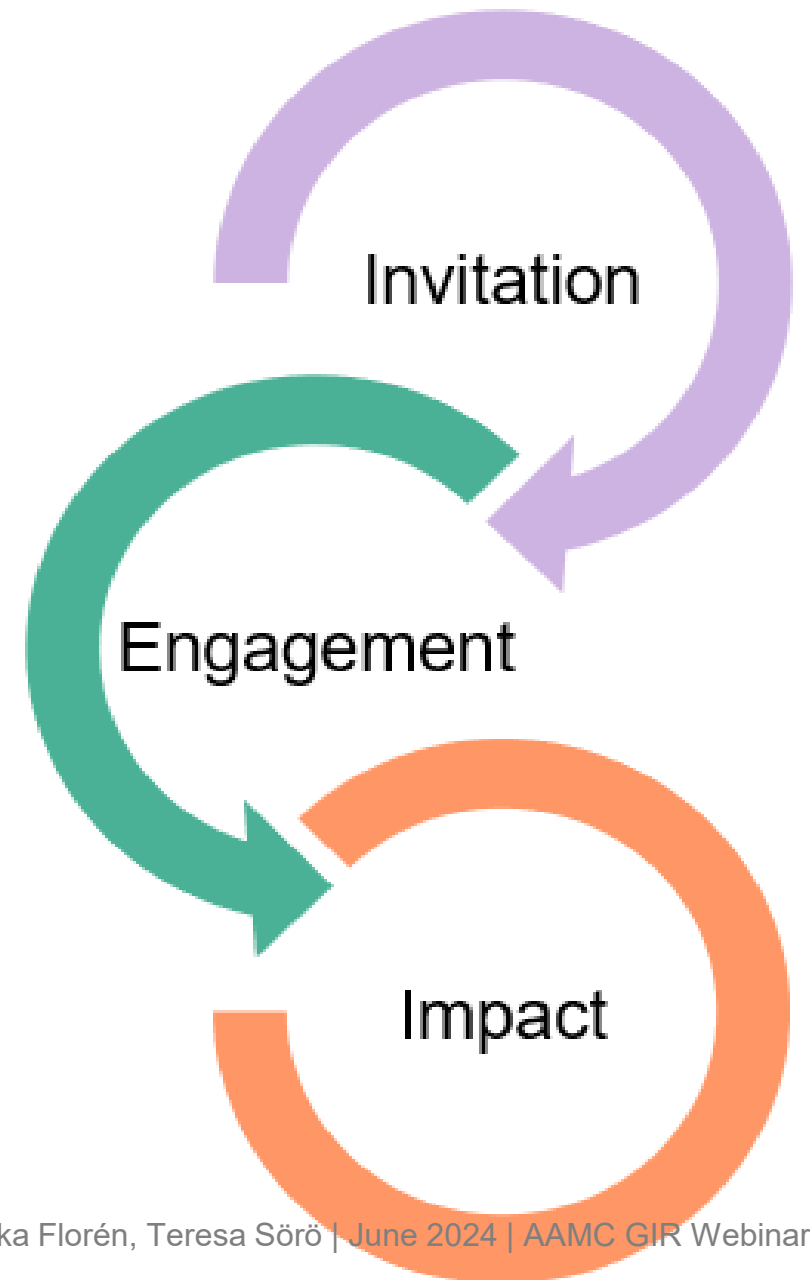
Now What?

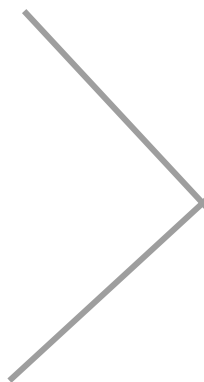
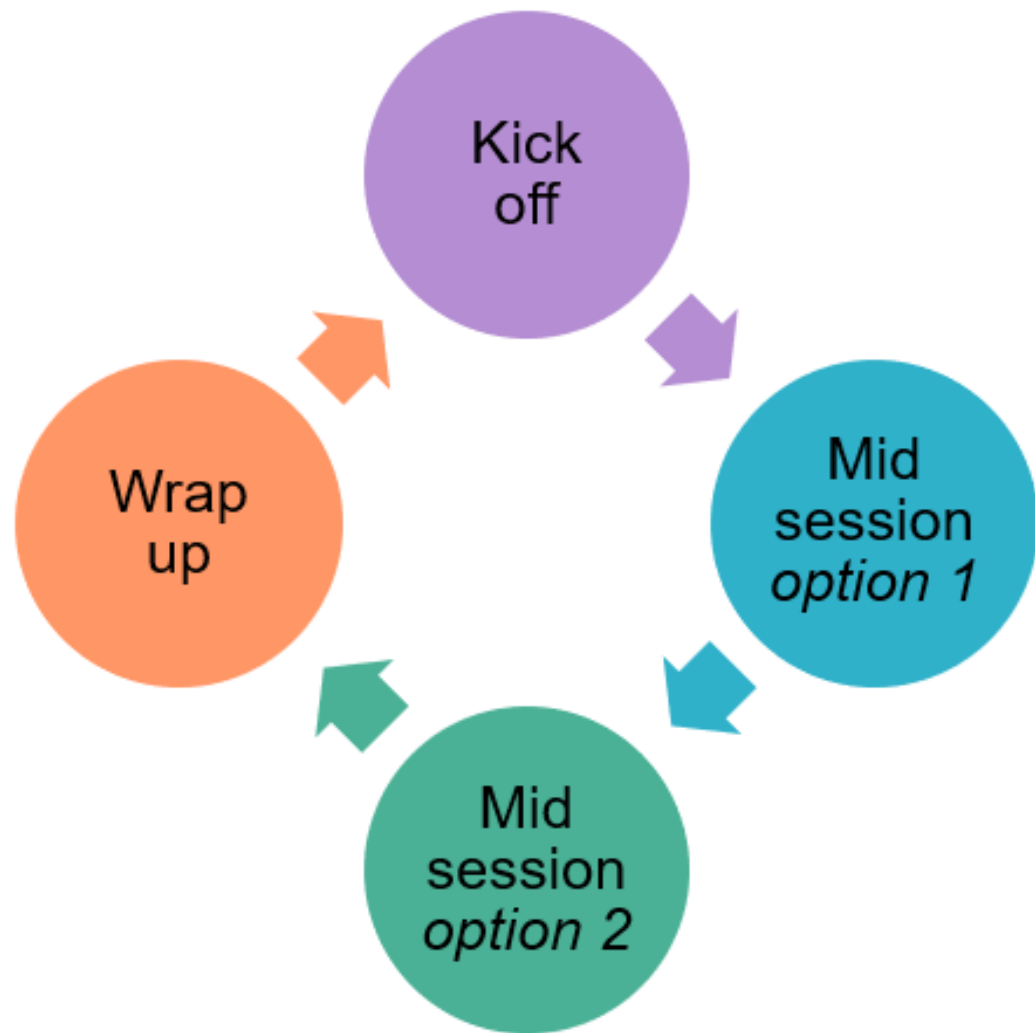
Findings & Next Steps



OUR APPROACH

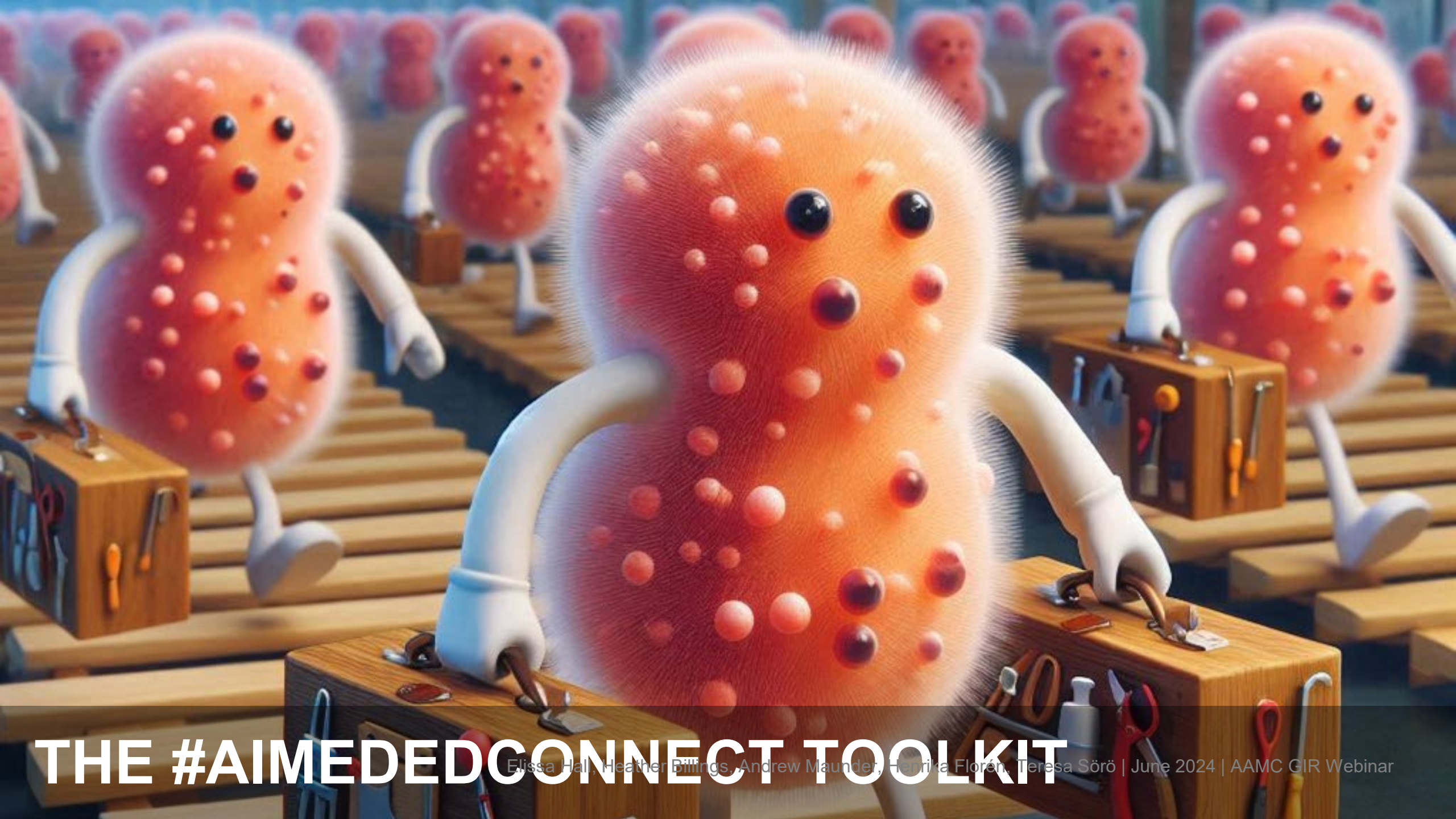
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Created by Kamin Ginkaew
from Noun Project

FORMAT & FACILITATION > COMMUNITY



THE #AIMEDEDCONNECT TOOLKIT

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Get Started | Prompts Away

Welcome MedEd & HPE International Colleagues to our #AIMedEdConnect #Promptathon

We will (1) learn together as a community, (2) engage and experiment with generative AI, and (3) co-construct a repository of prompts for medical and health professions educators. On this page you will find your Promptathon Toolkit. We invite you to use the quick links to skip to sections on the page or scroll through the content step by step.

[Welcome MedEd & HPE International Colleagues to our #AIMedEdConnect #Promptathon](#)

[Step 1: Review Rules of Engagement](#)

[Step 2: Learn How to Prompt](#)

[Step 3: Select Your Generative AI](#)

[Step 4: Warm Up with a Quick Start](#)

[Step 5: Create Prompts & Explore Sample Prompts](#)

[Step 6: Share with Others via the Padlet](#)



BEGIN

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Get a glimpse at our co-created prompt library.

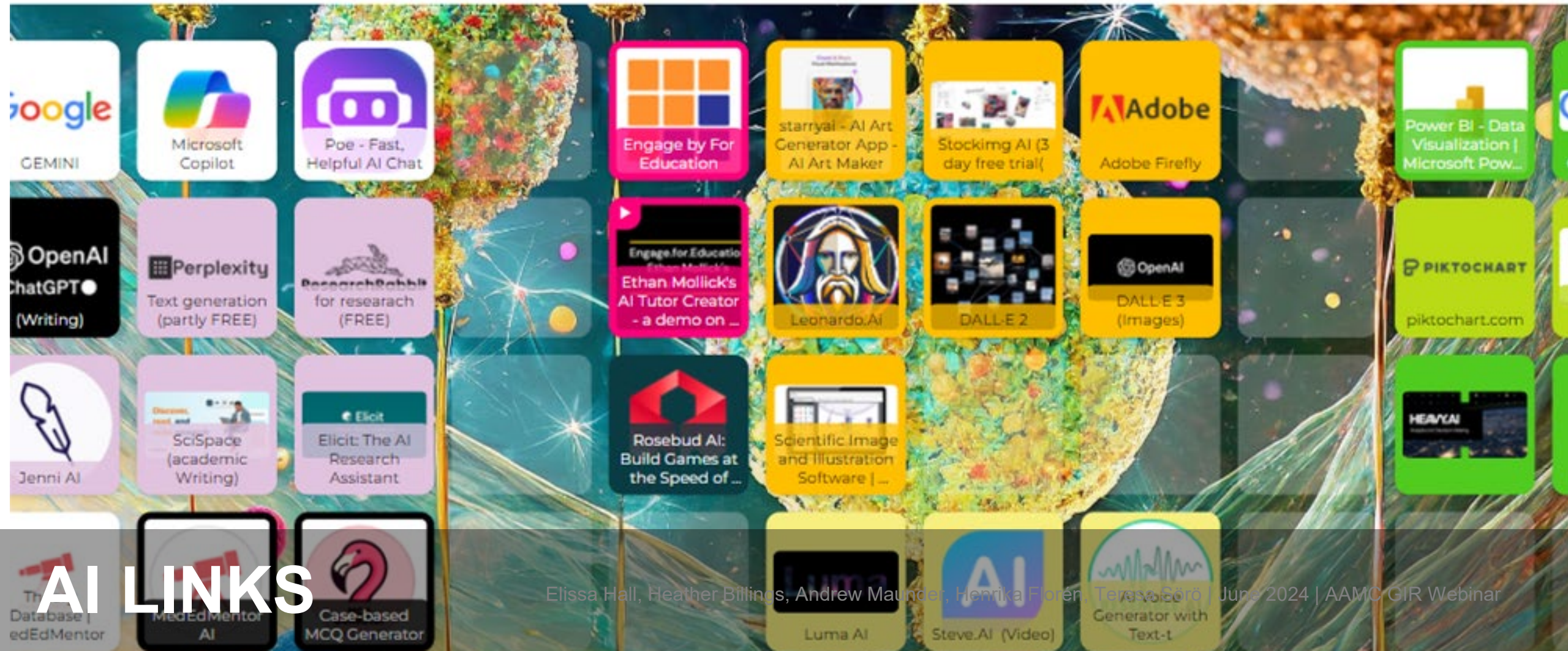
We will be sharing some of the prompts submitted here and sharing out a full library of prompts after the promptathon.



A Co-Created Prompt Library

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Webmix



AI LINKS

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Websites, Blogs, and Resources

Webinars

Help Guides

Publications

Institutional Guidelines

Websites and resources





“The English language uses the word fermentation to describe not only the literal phenomenon of cellular metabolism... but also much more broadly to indicate a state of agitation, excitement and bubbliness

...

Fermentation can be driven by hopes, dreams, and desires; or by necessity, desperation, and anger; or by other forces altogether”

THE EXPERIENCE

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*Sandor Katz - Fermentation as a
Metaphor*

PROMPTING FRAMEWORK

{TASK} refers to general type of output that the prompt should achieve (Example: Write a lesson plan).

{ROLE} refers to the title or persona of the 'person' who will present the response

{AUDIENCE} refers to the title or persona of the 'person' who the response is designed to reach

{CREATE} provides clear instructions about desired format of the response

{INTENT} indicates the overall intention or purpose of the prompt

Adapted from <https://structuredprompt.com>

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Applying TRACI

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You are an irritated furniture buyer. Write a tweet explaining to IKEA why they should stop including allen keys with their modular furniture. The tweet should exhibit razor-sharp wit and be 280 characters or less. Make the madness stop!

Dear @IKEA, enough with the Allen keys already! My toolbox is starting to look like an Allen key convention. Time to rethink your tool strategy.
#TooManyKeys #AllenKeyMadness
#FurnitureFiasco

Open a Generative AI Tool:

ChatGPT 4o - The original, but probably still had the edge

Google Gemini

Microsoft CoPilot (in Bing) - You may have institutional and sanctioned access to this already

Perplexity.ai - Doesn't need a login, but somewhat limited without a license!

Write your own...

{TASK} refers to general type of output that the prompt should achieve (Example: Write a lesson plan).

{ROLE} refers to the title or persona of the 'person' who will present the response

{AUDIENCE} refers to the title or persona of the 'person' who the response is designed to reach

{CREATE} provides clear instructions about desired format of the response

{INTENT} indicates the overall intention or purpose of the prompt



An Example

Generating ideas for a case-based collaborative learning activity

Can you briefly describe which changes/tweaks have changed your prompt? How many iterations did it take you to get to this point?

I went through nine prompts before I was satisfied with this. Following were the prompts I used after the initial prompt:

1. Design a collaborative case-based learning activity for second year medical students with dyspnea as the presenting symptom and a differential diagnosis of myocardial infarction, pulmonary embolism and gastroesophageal reflux disease
2. Okay, this looks good. Please develop the case
3. Provide questions that can be asked to students
4. Refine this activity and questions to give students pointers on errors in clinical reasoning
5. Include questions that also require learners to demonstrate an understanding of the pathophysiology of the signs and symptoms
6. Apply constructivist learning theory to this activity
7. What learning objectives would be appropriate for this case?
8. Tweak the case to include communication & interpersonal skills as well as ethics discussion
9. Refine the case to incorporate the above

We're also using this opportunity to critically evaluate the usefulness of generative AI as 'teacher aide' activities in the HPE space. Are there any problems which you can identify in your results? For example, is the information factually correct? Is there any inherited bias from the training data?

Will need the insight of an SME to avoid errors and ensure the activity is designed at learner level.

How much time have you put into this activity?

Less than 20 minutes



Our Findings

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ANALYSIS

Submissions of
generated prompts

Stay connected

Organisation of own
events

Experiment

Group in themes of
interest

Seeding - template
resources

Multiple entry points, Pre-
party - introduction



Pioneers



Networks



New practices



New dominant
systems

ANALYSIS

Co-constructed
knowledge

Collaboratively learned

Modeled growth
mindset to each other

Engaged with the
technology



Pioneers



Networks



New practices



New dominant
systems

**“EDUCATION MATTERS
MORE THAN EVER RIGHT NOW.”**

Ethan Mollick, PhD, 2024

**“IT IS ESSENTIAL TO
REFLECT FORWARD TO SHAPE THE FUTURE:
COLLECTIVELY WE HAVE AGENCY OVER THE
FUTURE WE WANT TO BUILD.**

Leticia Britos Cavagnaro, PhD, 2024



Where will this journey take us?

Midjourney: a tastefully coloured scanned electron microscope image of a sunrise over a yeast biome landscape. Scanned electron microscope. Realistic. #hopepunk. --ar 16:9

Elissa Hall, Heather Billings, Andrew Moulder, Henrika Flynn, Jieresa Siro, Lynn 2023. Available on CIP Webinar

Midjourney: a tastefully coloured scanned electron microscope image of a sunrise over a yeast biome landscape. Scanned electron microscope. Realistic. #hopepunk. --ar 16:9



Where will this journey take us?

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Further on...

Midjourney: a tastefully colourised scanned electron microscope image of a sunrise over a yeast biome landscape. Scanned electron microscope. Realistic. #hopepunk. --ar 16:9

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