

# Development of Image Based Interactive Resources

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# What are interactive Resources ?

- Interactive learning materials
- Designed to teach a specific learning outcome.
- Comprise of a single or multiple pages .
- Can comprise of
  - Combination of text,
  - Images,
  - Audio,
  - Video - including screencasts, animations,
  - Self test questions and other interactive activities.

# Why are interactive resources essential?

- Make the educational process more collaborative
- Foster active engagement and accountability;
- Promote student retention and learning of the material presented during lecture
- Develop critical-thinking skills; and.
- Enable instructors to assess how well the class is learning that day?

# How images based resources support learning?

- Visual media in their everyday lives of learners
- Learners are accustomed to accessing information in both textual and visual forms.
- The use of images in the classroom is a pedagogical strategy
- Better way to engage students who have grown up in a media-rich environment.
- Digital technology has made images more readily available
- Can be easily incorporated into teaching and learning materials.
- Create visual experiences for student-centered learning

# How to create image based interactive resources ?

- Turn images into engaging media-rich content
- Add hotspots to photos, maps, diagrams etc.,
- Convert static pictures into click-to-explore visuals with video, audio, links and more.
- Lumi is a windows app from Microsoft
- Using Lumi one can create, edit and view interactive HTML elements (H5P packages) in desktop environment.
- Can be freely downloaded from
  - <https://app.lumi.education/#download>



Community

H5P

Cloud Hub

Login

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DONT WANT TO WORK ONLINE?

# Lumi Desktop

Lumi Desktop runs as a desktop program on your computer.

 Windows

 MacOS

 Linux

# What are the Lumi-image based interactions we are going to learn in this Workshop?

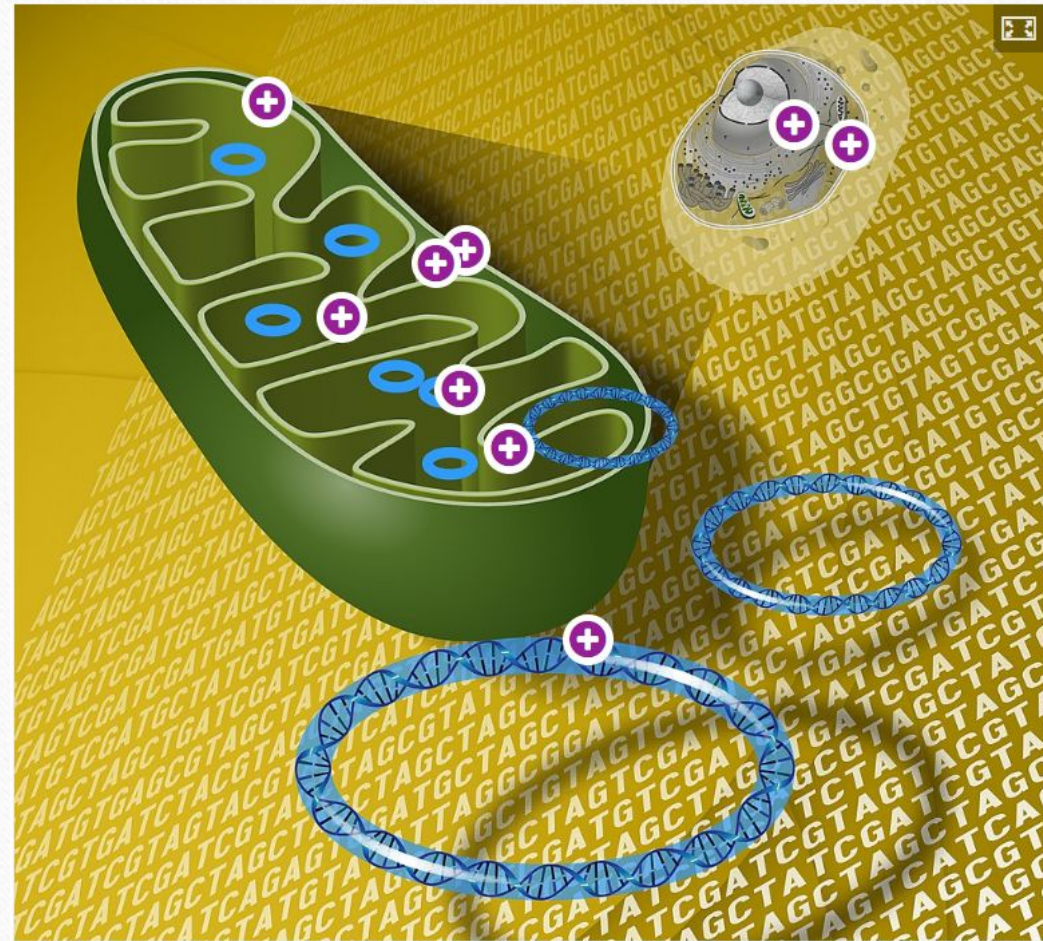
- Image Hot spots
- Image Pairing

## Other Lumi- image based interactions

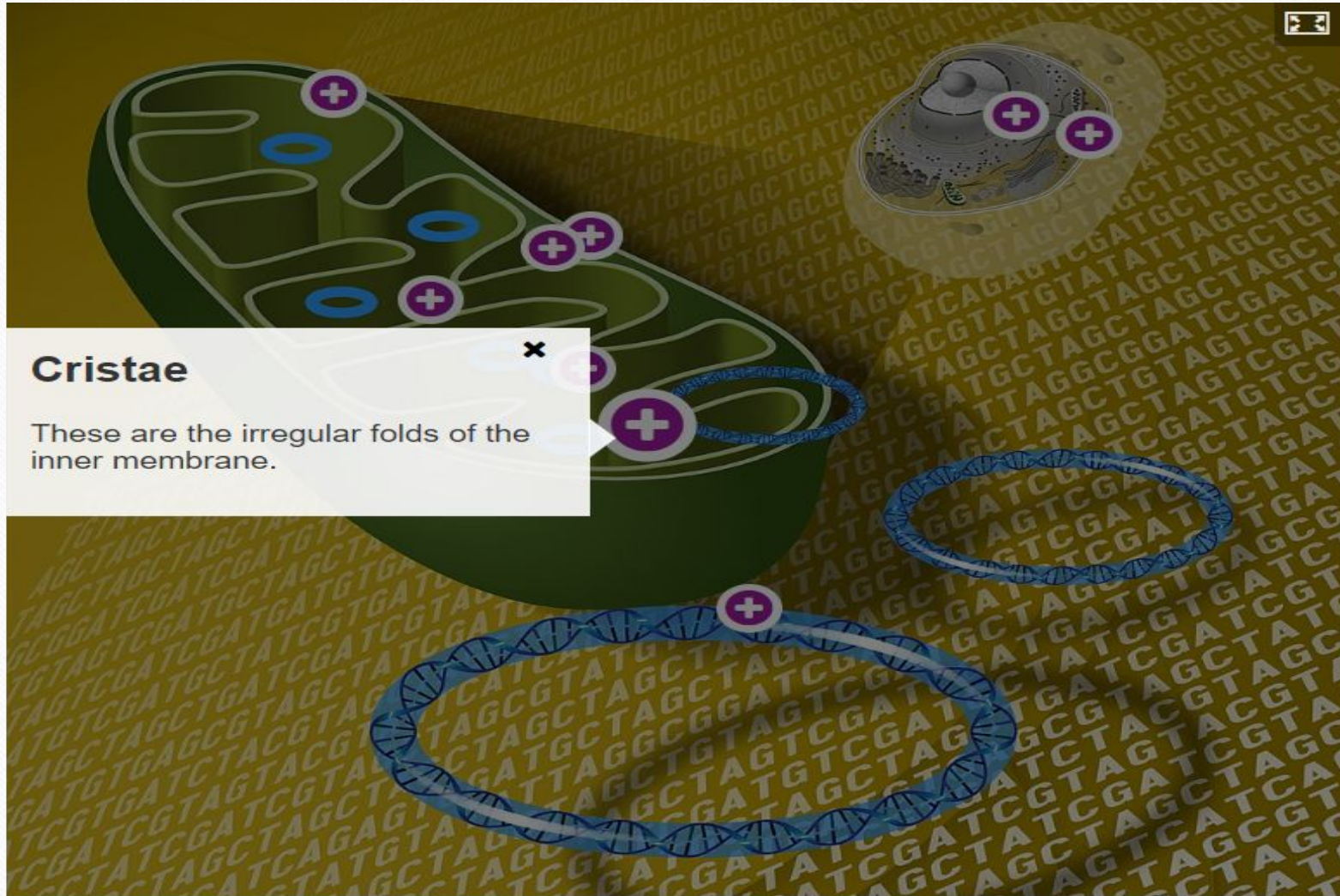
- Image choice
- Image Juxta position
- Image sequencing
- Image slider

# Image Hot Spots

<https://pressbooks.justwrite.in/mitochondrial-inheritance/part/main-body/>







## Cristae

These are the irregular folds of the inner membrane.

Reuse

Rights of use

Embed

H-P




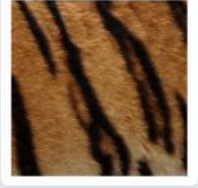








# Image Pairing

- A free HTML5-based image pairing activity
- Allows authors to create pairs of images to be matched.
- Learners are presented with the unpaired images and can drag and drop the images they think matches.
- Authors are also able to test the understanding of a relation between two different images.
- Image pairing is available through the H5P plugin on Drupal, Moodle or Wordpress sites and is embeddable onto any website that allows embeds.

1 of 2

### Image pairing without retry



✓ Check

Reuse Rights of use Embed

H5P

feedback

Would you like to create content like this on your own?

Get started

1 of 2



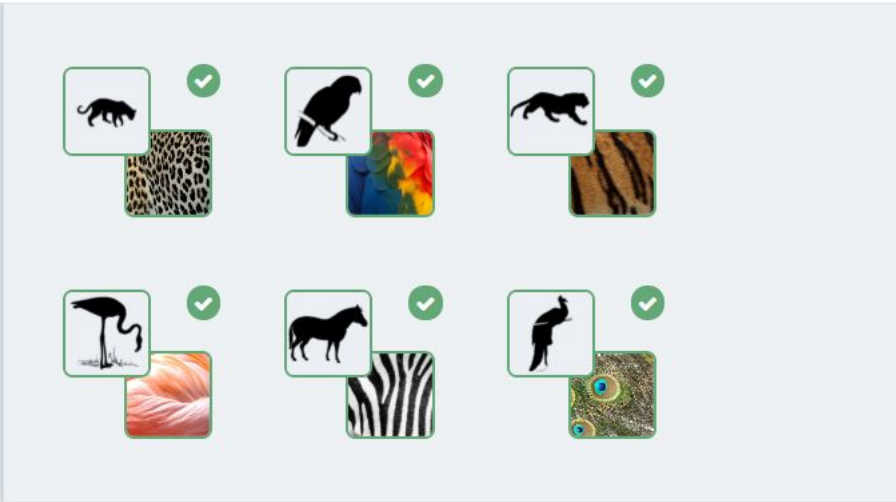
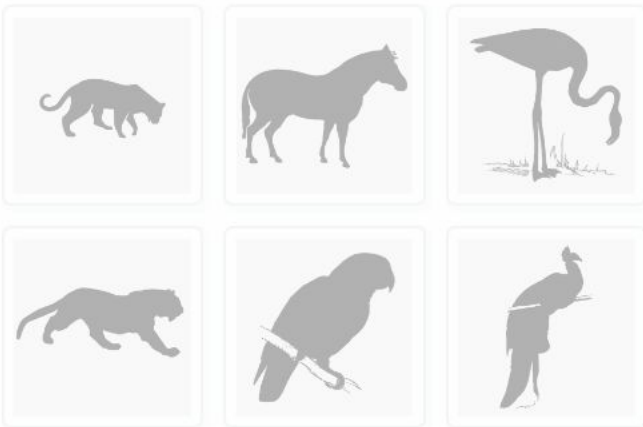
Previous

### Image pairing without retry



Next

Drag images from the left to match them with corresponding images on the right



You got 6 of 6 points



Image pairing  
Image Pair

G20 Summit ...  
Image Pair

Open H5P File

New H5P file

VIEW

EDIT

Drag images from the left to match them with corresponding images on the right



✓ Check



Image pairing  
Image Pair



G20 Summit ...  
Image Pair



Open H5P File



New H5P file

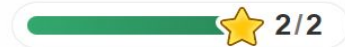
VIEW

EDIT

Drag images from the left to match them with corresponding images on the right



You got 2 of 2 points



# Demo

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- Image Hotspot
- Image Pairing

# References

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- <https://www.bristol.ac.uk/digital-education/teaching-online/interactive-learning-materials/#:~:text=Interactive%20learning%20materials%20are%20interactive,questions%20and%20other%20interactive%20activities.>
- <https://ii.library.jhu.edu/2013/04/19/teaching-with-images/#:~:text=Instructors%20have%20reported%20that%20their,thinking%20skills%20and%20lifelong%20learning.>
- <https://apps.microsoft.com/store/detail/lumi-interactive-content-with-h5p/9PD83XFV86J4?hl=en-in&gl=in&rtc=1>



T h a w k

Y o u