



# JoVE

協助再現實驗，加速研究與教學！



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# jove

打造科學影片，  
讓**教學**、**學習**和**科學實作**  
更有效率、更有成效，也更生動有趣！



# Visualizing > Reading

## TEXT ARTICLE

“Position the metaphase spindle at 3 o’clock and hold it with holding pipette. Apply piezo pulses to penetrate the zona pellucida. Touch the metaphase plate with the enucleation pipette. Aspirate the spindle and withdraw the pipette.”

## REAL LIFE



# An Overview of JoVE

## Video Library

- **25,000+** 部影片，持續擴增中
- 每年發表 **1,200+** 部新影片
- 擁有 **1,200+** 訂閱機構
- 全球**數百萬**使用者
- **持續努力** 製作更多內容

## Video Features

- **全年無休 24/7** 全球可用
- **14 種語言**翻譯與配音
- 超過 **10,000+** 可下載的  
實驗操作流程

# JoVE Collections

## JoVE Research 研究

- **JoVE Journal**  
科學期刊
- **Encyclopedia of Experiment**  
實驗百科

## JoVE Education 教育

- **JoVE Core**  
核心概念
- **JoVE Science Education**  
科學方法與實作教育
- **JoVE Lab Manual**  
實驗手冊

## JoVE Business 商學

- **Marketing**  
市場行銷
- **Microeconomics**  
個體經濟學
- **Finance**  
財務金融

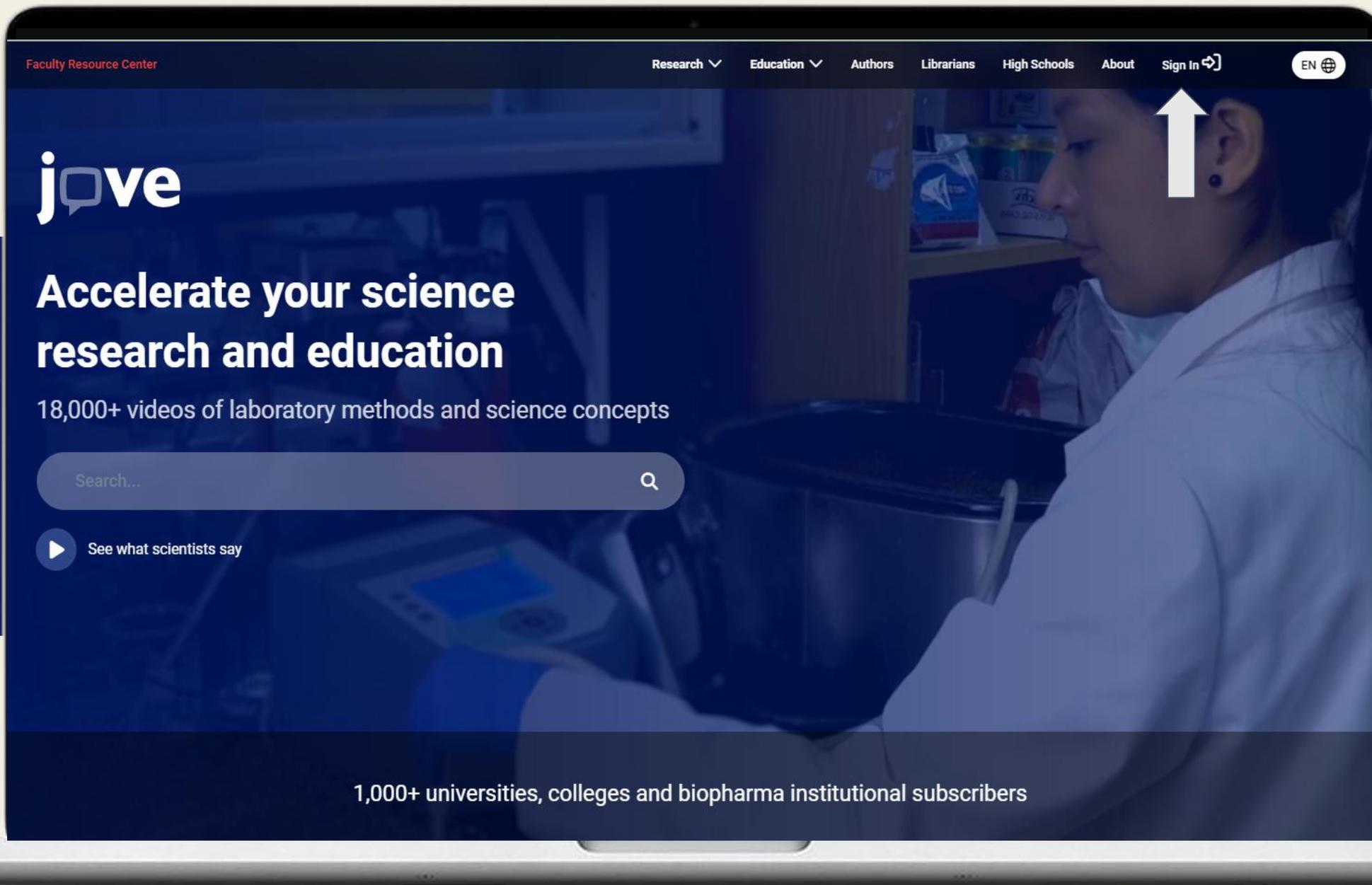
# How to Access JoVE

如何註冊帳號與登入



1

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2

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EN

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## Accelerate your science research and education

18,000+ videos of laboratory methods and science concepts

Search...



See what scientists say

1,000+ universities, colleges and biopharma institutional subscribers

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Password\*

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We use/store this info to ensure you have proper access and that your account is secure. We may use this info to send you notifications about your account, your institutional access, and/or other related products. To learn more about our GDPR policies click [here](#).

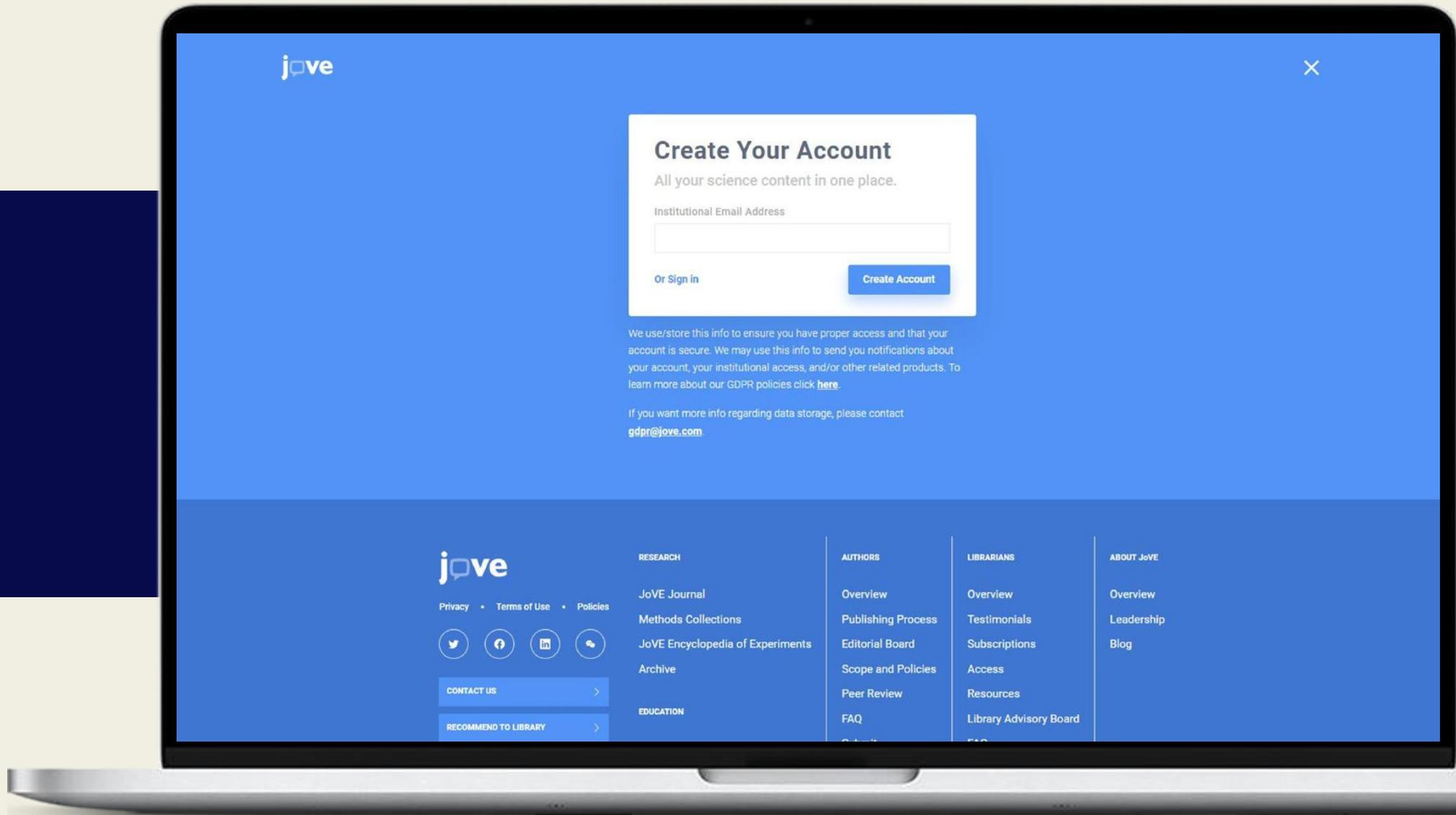
If you want more info regarding data storage, please contact [gdpr@jove.com](mailto:gdpr@jove.com).

3

請點選  
“Create an Account”  
「建立帳號」

4

輸入email



5

## 等待確認信件 Verification email



### Almost done!

A verification has been sent to [marita.eleftheriadou2512@gmail.com](mailto:marita.eleftheriadou2512@gmail.com). Please check your email and follow the link to activate your account. If you do not see the message in your inbox please check your Spam folder.

[Waiting for Verification Email?](#)

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[JoVE Journal](#)

[Methods Collections](#)

[JoVE Encyclopedia of Experiments](#)

[Archive](#)

#### EDUCATION

#### AUTHORS

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[Editorial Board](#)

[Scope and Policies](#)

[Peer Review](#)

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#### ABOUT JoVE

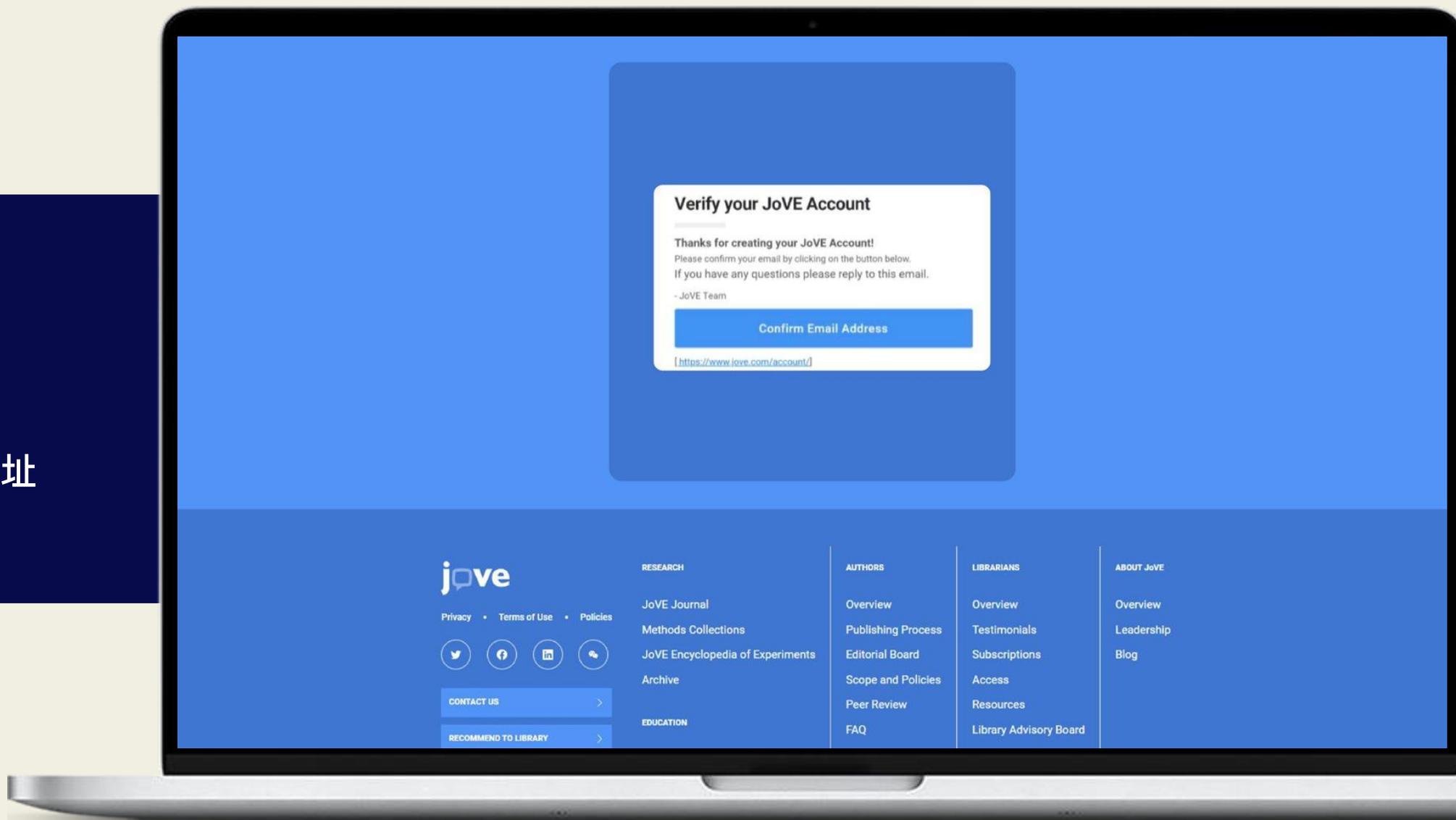
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[Leadership](#)

[Blog](#)

6

確認email 網址  
"Confirm"



7

輸入基本資料  
完成後點選  
“Create Account”

### Just abit more...

Thanks for your patience!

First Name

Last Name

Password

Confirm Password

Institution

Select a Role

Job Title

Create Account

8

帳號建立  
完成!

Faculty Resource Center

Research ▾

Education ▾

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Szuchi Huang

EN 

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## Accelerate your science research and education

18,000+ videos of laboratory methods and science concepts

Search...



See what scientists say

1,000+ universities, colleges and biopharma institutional subscribers

# JoVE Research





網頁左上方列出精選資源

Research 研究系列/ Education 教育系列/ Business 商學系列

# Accelerate your science research and education

25,000+ videos of laboratory methods and science  
concepts

Search or ask a question



Get help here



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EN 

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Start Free Trial

## Research 研究系列 下拉選單

- Behavior
- Biochemistry
- Biology
- Bioengineering
- Cancer Research
- Chemistry
- Developmental Biology
- Engineering
- Environment
- Genetics
- Immunology and Infection
- Medicine
- Neuroscience

涵蓋 13 大主題

- JoVE Journal
- JoVE Encyclopedia of Experiments **NEW**
- JOVE VISUALIZE **NEW**
-  JoVE Chrome Extension **NEW**

JoVE Journal 科學期刊

Encyclopedia of Experiment (EOE) 實驗百科全書

Ask  
JoVE

Get help here

jove

## Research 研究系列 下拉選單

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- Biology
- Bioengineering
- Cancer Research
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點開

- JoVE Journal
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-  JoVE Chrome Extension **NEW**

JoVE Journal 科學期刊 為例

Ask JoVE

Get help here

或是於搜尋欄位,直接搜尋有興趣的主題

The screenshot displays the JoVE website interface. At the top, there is a navigation bar with 'Research', 'Education', and 'Business' dropdown menus, a search bar with the text 'Search or ask a question', and a language selector set to 'EN'. Below the navigation bar is a sidebar with icons for Home, Videos, Playlists, Quizzes, Favorites, MyClass, and Help. The main content area is divided into 'RESEARCH All' and 'SUBJECTS'. The 'SUBJECTS' list includes Behavior, Biochemistry, Bioengineering, Biology, Cancer Research, Chemistry, Developmental Biology, and Engineering. A grid of six research video thumbnails is shown, each with a title and 'JOURNAL' label. The thumbnails are: 1. A mouse on a treadmill (Behavior), 2. A scientist in a lab coat working at a computer (Biochemistry), 3. A scientist in a lab coat working in a lab (Bioengineering), 4. A tray of petri dishes with worms (Biology), 5. A scientist in a lab coat looking at a computer monitor displaying a brain scan (Cancer Research), and 6. A scientist in a lab coat working with glassware (Chemistry). A yellow box highlights the search bar and the 'SUBJECTS' list. A yellow box highlights the 'RESEARCH All' section and the grid of video thumbnails. A yellow box highlights the 'Behavior' subject in the 'SUBJECTS' list. A yellow box highlights the 'Behavior' video thumbnail. A yellow box highlights the 'Biochemistry' video thumbnail. A yellow box highlights the 'Bioengineering' video thumbnail. A yellow box highlights the 'Biology' video thumbnail. A yellow box highlights the 'Cancer Research' video thumbnail. A yellow box highlights the 'Chemistry' video thumbnail.

Home

Research Videos

RESEARCH All

SUBJECTS

All

Behavior

Biochemistry

Bioengineering

Biology

Cancer Research

Chemistry

Developmental Biology

Engineering

JOURNAL Behavior

JOURNAL Biochemistry

JOURNAL Bioengineering

JOURNAL Biology

JOURNAL Cancer Research

JOURNAL Chemistry

左方選單和右方主題列,均可點選進入有興趣的主題



JOURNAL  
Genetics

期刊影片化, Peer-reviewed · 並收錄於  
PubMed 與 Web of Science 中的內容,  
讓科學實驗更容易理解與再現

點開

右方可滑動搜尋有興趣的期刊

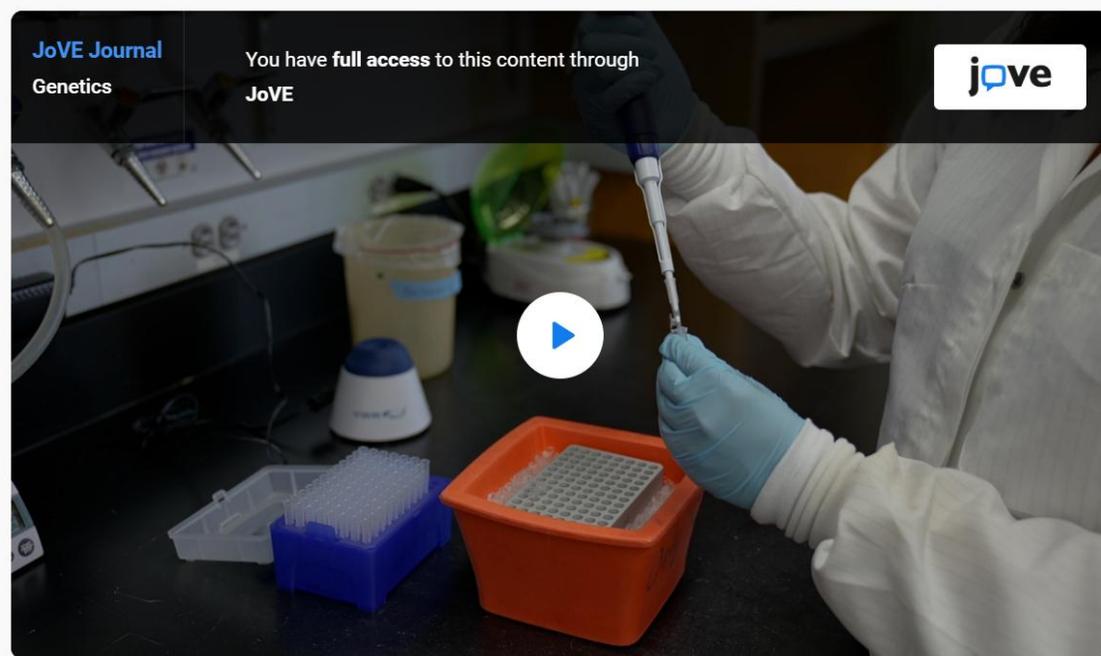
The screenshot shows the Jove website interface. On the left is a navigation sidebar with options like Home, Videos, Playlists, Quizzes, Favorites, MyClass, and Help. The main content area is divided into a 'Filters' section on the left and search results on the right. The 'Filters' section includes a 'Date' filter with a range from 2005 to 2025, an 'Author' search box, and an 'Institution' search box. The search results on the right are for 'Journal Genetics' and show three video entries:

- Video coming soon**: 269 views · 2025 · [Green dot]. Authors: Jooa Kwon<sup>1,2</sup>, George Z. He<sup>3,4</sup>, Mirana Ramialison<sup>1,2,3,4,5</sup>, Hieu T. Nim<sup>1,2,3,4</sup>. Institution: <sup>1</sup>Department of Paediatrics, Faculty of Medicine, Dentistry and Health Sciences, University of Melbourne,...
- Dual CRISPR-Interference Strategy for Targeting Synthetic Lethal Interactions...**: 646 views · 2025 · [Green dot]. Authors: Jeffrey L. Schloßhauer<sup>1,2</sup>, Sama Shamloo<sup>1,2</sup>, Katja Schamrin<sup>1,2</sup>, Jochen Imig<sup>1,2</sup>. Institutions: <sup>1</sup>Chemical Genomics Centre of the Max Planck Society, <sup>2</sup>Max Planck Institute of Molecular Physiology.
- CRISPR Epigenome Editing in Human Cells using Plasmid DNA Transfection a...**: 1.5K views · 2025 · [Green dot]. Authors: Anna E. Christenson<sup>\*</sup>, Nikita S. Divekar<sup>\*</sup>, Mitzi G. Hernández Zamora<sup>1</sup>, Carolyn D. Nguyen<sup>1</sup>, James K.... Institutions: <sup>1</sup>Department of Molecular and Cell Biology, University of California, Berkeley, <sup>2</sup>Chan Zuckerberg Biohub -...

At the bottom of the search results, it says 'Showing results 1-10 of 440 for Journal Genetics' with a pagination control showing page 1 of 44.

點開

左方選單可依日期, 作者, 機構 設定欲搜尋的期刊



### CRISPR Epigenome Editing in Human Cells using Plasmid DNA Transfection and mRNA Nucleofection Delivery

Full Text English <> ↻ ⋮

#### Chapters in this video

- 0:00 Introduction
- 1:02 Nucleofection of Epigenome Editor mRNA into K-562 Cells
- 3:33 Data Analysis
- 6:33 Results

#### Related Videos

- A Standard Methodology to Examine On-site...  
8.0K Views
- Establishment of Genome-edited Human Pluripotent...  
10.7K Views

按期刊格式排列，可快速點選欲瀏覽內容

相關期刊影片也會列出於下方

- Download PDF
- Download Materials List

期刊PDF 以及材料列表 可直接下載

可引用以及加到我的最愛清單

多種語言可切換

影片可置入學習系統LMS亦或提供連結分享

也可加到播放清單,作為隨時參閱的資料庫

# JoVE Education



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Education 教育系列 下拉選單

- Biology
- Chemistry
- Clinical
- Engineering
- Environmental Sciences
- Pharmacology
- Physics
- Psychology
- Statistics

涵蓋 9 大主題

- JoVE Core
- JoVE Science Education
- JoVE Lab Manual
- JoVE Quiz
- Faculty Resource Center

JoVE Core 核心概念

JoVE Science Education 科學方法與實作教育

JoVE Lab Manual 實驗手冊

Search or ask a question



Education 教育系列 下拉選單

- Biology
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- JoVE Science Education
- JoVE Lab Manual
- JoVE Quiz
- Faculty Resource Center

點開

JoVE Science Education 科學方法與實作教育 為例

Search or ask a question







SCIENCE EDUCATION  
Basic Biology

點開

右方可滑動搜尋有興趣的實驗操作影片

The screenshot shows the Jove website interface. On the left is a navigation menu with icons for Home, Videos, Playlists, Quizzes, Favorites, MyClass, and Help. The main content area is titled 'SCIENCE EDUCATION Basic Biology' and lists several video categories: 'General Laboratory Techniques', 'Basic Methods in Cellular and Molecular Biology', 'Biology I: yeast, *Drosophila* and *C. elegans*' (highlighted with a yellow box), 'Biology II: Mouse, Zebrafish, and Chick', 'Lab Animal Research', and 'Lab Safety'. On the right, a list of videos is displayed under the heading 'Biology I: yeast, *Drosophila* and *C. elegans*'. The first video is 'An Introduction to *Saccharomyces cerevisiae*' with a 10:48 duration and 234.0k views, marked with a yellow '點開' button. The second is 'An Introduction to *Drosophila melanogaster*' with a 09:16 duration and 185.8k views. The third is 'An Introduction to *Caenorhabditis elegans*' with a 09:13 duration and 109.2k views. The fourth is 'Yeast Maintenance'.

點開

左方選單有關,一般實驗室常用儀器或技術的指導影片,生物安全相關,又或者模式生物操作等

JoVE Science Education > Basic Biology > Biology I: yeast, Drosophila and C. elegans... > An Introduction to Sacch...

JoVE Science Education  
Biology I: yeast, Drosophila and C. elegans

You have full access to this content through JoVE

Skip to...

- 0:00 Overview
- 0:45 Introduction to Saccharomyces cerevisiae
- 2:50 Why use this Organism?
- 4:47 Important Discoveries
- 8:16 Applications
- 10:21 Summary

Videos from this collection:

- An Introduction to Saccharomyces cerevisiae  
Biology I: yeast, Drosophila and C. elegans

Embed Video Add to Playlist Create Quiz EN

從簡介,理論 帶到應用層面  
可快速點選欲瀏覽內容

這系列相關影片也會  
列出於下方

可加到我的最愛清單

提供影片連結分享

多種語言可切換

也可加到播放清單,作為隨時參閱的資料庫

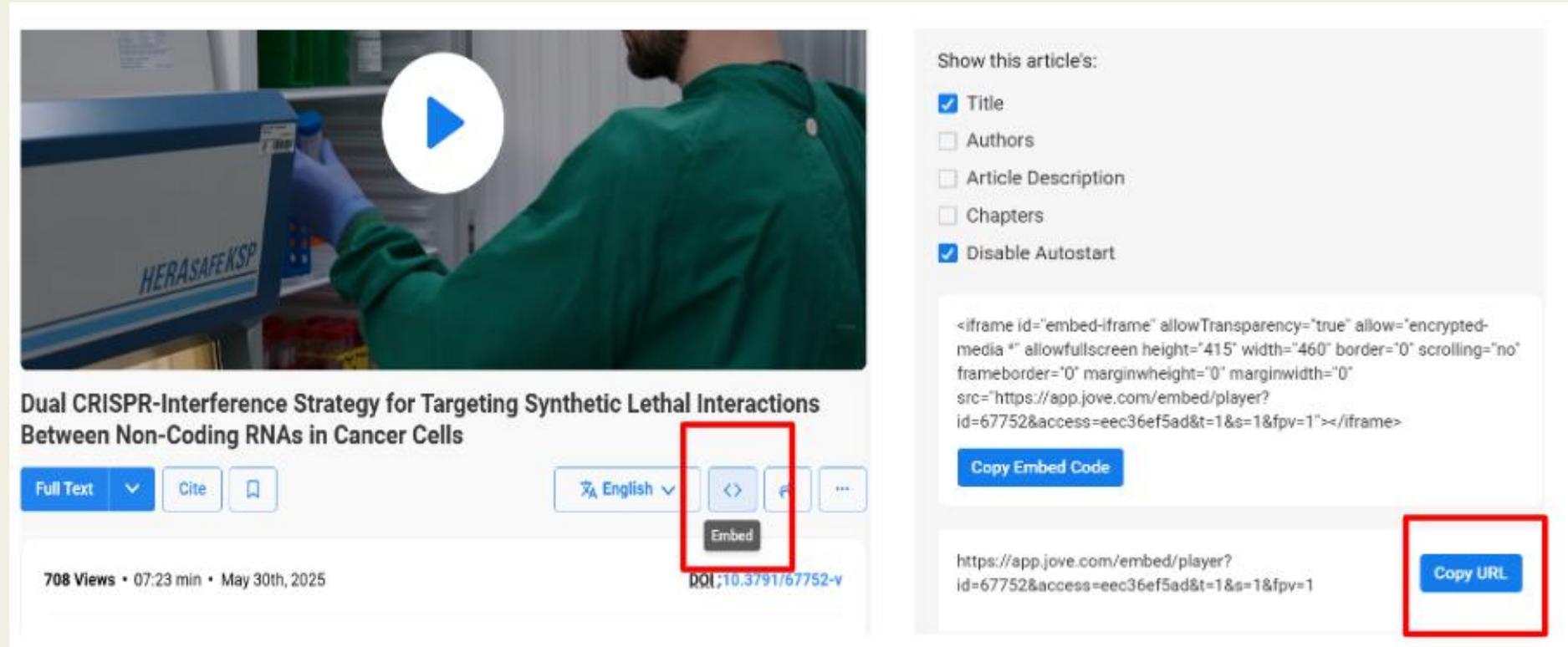
\*可創建考試題庫

影片可置入學習系統LMS亦或提供連結分享

**Embed Video:  
鑲嵌JoVE影片，一秒開啟播放!**



登入 JoVE 帳號後，只須在欲選用的影片，點選 **Embed video** 按鈕，copy URL 即可以超連結方式分享給學生參考，例如鑲嵌於PPT、PDF或教學系統。



The screenshot displays the JoVE video player interface for the article "Dual CRISPR-Interference Strategy for Targeting Synthetic Lethal Interactions Between Non-Coding RNAs in Cancer Cells". The video player shows a person in a green lab coat working with a blue HERASAFEKSP biosafety cabinet. A large play button is overlaid on the video. Below the video, the article title is displayed, along with buttons for "Full Text", "Cite", and "Bookmark". A language dropdown menu is set to "English", and an "Embed" button is highlighted with a red box. The video ID "DOI:10.3791/67752-v" is visible below the video player. On the right side, the "Show this article's:" section includes checkboxes for "Title", "Authors", "Article Description", "Chapters", and "Disable Autostart". Below this, the embed code is shown, and a "Copy Embed Code" button is present. At the bottom right, the URL "https://app.jove.com/embed/player?id=67752&access=eec36ef5ad&t=1&s=1&fpv=1" is displayed, with a "Copy URL" button highlighted by a red box.

HERASAFEKSP

Dual CRISPR-Interference Strategy for Targeting Synthetic Lethal Interactions Between Non-Coding RNAs in Cancer Cells

Full Text Cite

English

Embed

DOI:10.3791/67752-v

Show this article's:

- Title
- Authors
- Article Description
- Chapters
- Disable Autostart

```
<iframe id="embed-iframe" allowTransparency="true" allow="encrypted-media *" allowfullscreen height="415" width="460" border="0" scrolling="no" frameborder="0" marginheight="0" marginwidth="0" src="https://app.jove.com/embed/player?id=67752&access=eec36ef5ad&t=1&s=1&fpv=1"></iframe>
```

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留下任何故事、建議與指教！

SCAN ME



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