



中央研究院
ACADEMIA SINICA

JoVE 使用手冊

提升研究效率與創新教學實踐



jove

JoVE Introduction

簡介與影片系列特色





JoVE 為全球首創的影音期刊出版平台，
旗下期刊具 Impact Factor 並收錄於 SCI/SCIE，

現已發展為結合 AI 的教育科技平台，全面支援研究與教學。

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！



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
- Peer Reviewed 以及標準化的影片配置格式

JoVE Collections

JoVE Research 研究

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

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

- Accounting
會計學
- Finance
財務金融
- Macroeconomics
總體經濟學
- Marketing
市場行銷
- Microeconomics
個體經濟學

JoVE AI 全面解密



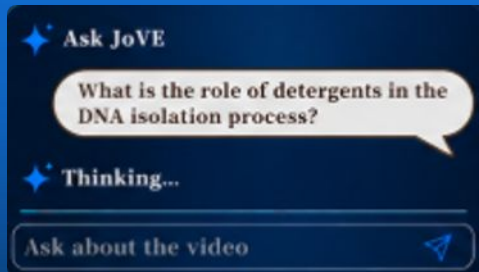
Scan



亮點1: JoVE Visualize 視覺化研究網路

★消除文字歧義, 讓研究操作細節「看見即所得」

- 看見即所得: AI 精準配對 4000萬篇學術文獻 與 2.5萬支實驗影片。
- 醫研效益: 無需再盲目翻找補充資料! 直接從抽象文獻跳轉至手術、細胞培養、動物模型等具體操作細節, 精準確認技術可重複性, 全面消除文字歧義。



Scan



亮點2: Ask JoVE 智慧搜尋 加速知識理解

★從關鍵字過渡到「概念理解」, 提供互動式實驗輔助

- 互動式實驗輔助: 影片旁隨身 AI 助理, 即時提供步驟摘要與問答。
- 自然語言發問: 拋棄傳統關鍵字! 直接輸入「如何進行外泌體萃取?」或「如何建立特定腫瘤動物模型?」, AI 即可精準提供 說明並配對對應操作影片, 化繁為簡。

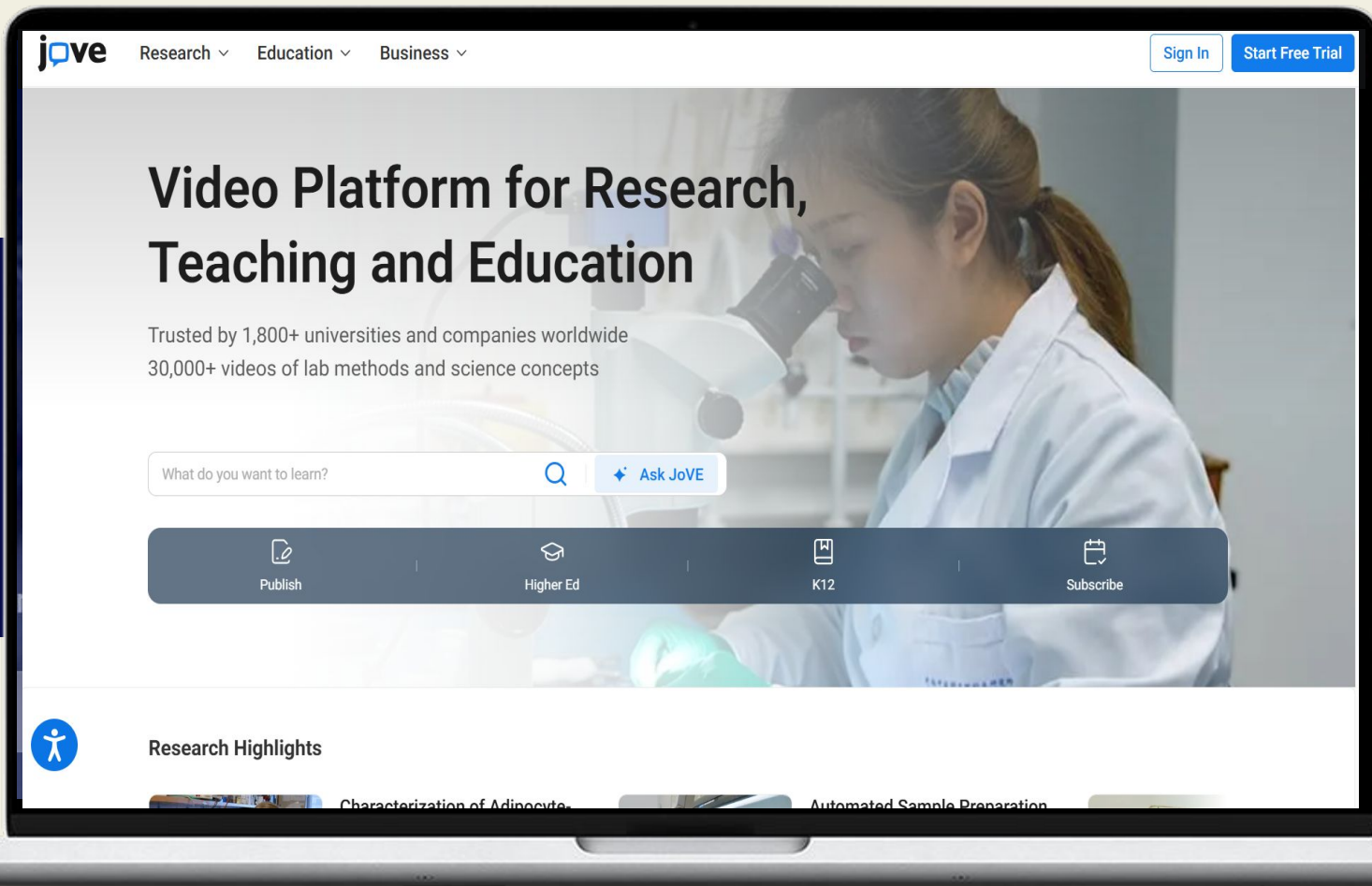
How to Access JoVE

如何註冊帳號與登入



1

前往 JoVE 首頁
www.jove.com



2

請點選“Sign in”
「登入」

jove

Research ▾

Education ▾

Business ▾

Sign In

Start Free Trial

Video Platform for Research, Teaching and Education

Trusted by 1,800+ universities and companies worldwide
30,000+ videos of lab methods and science concepts

What do you want to learn?



Ask JoVE



Publish



Higher Ed



K12



Subscribe



Research Highlights



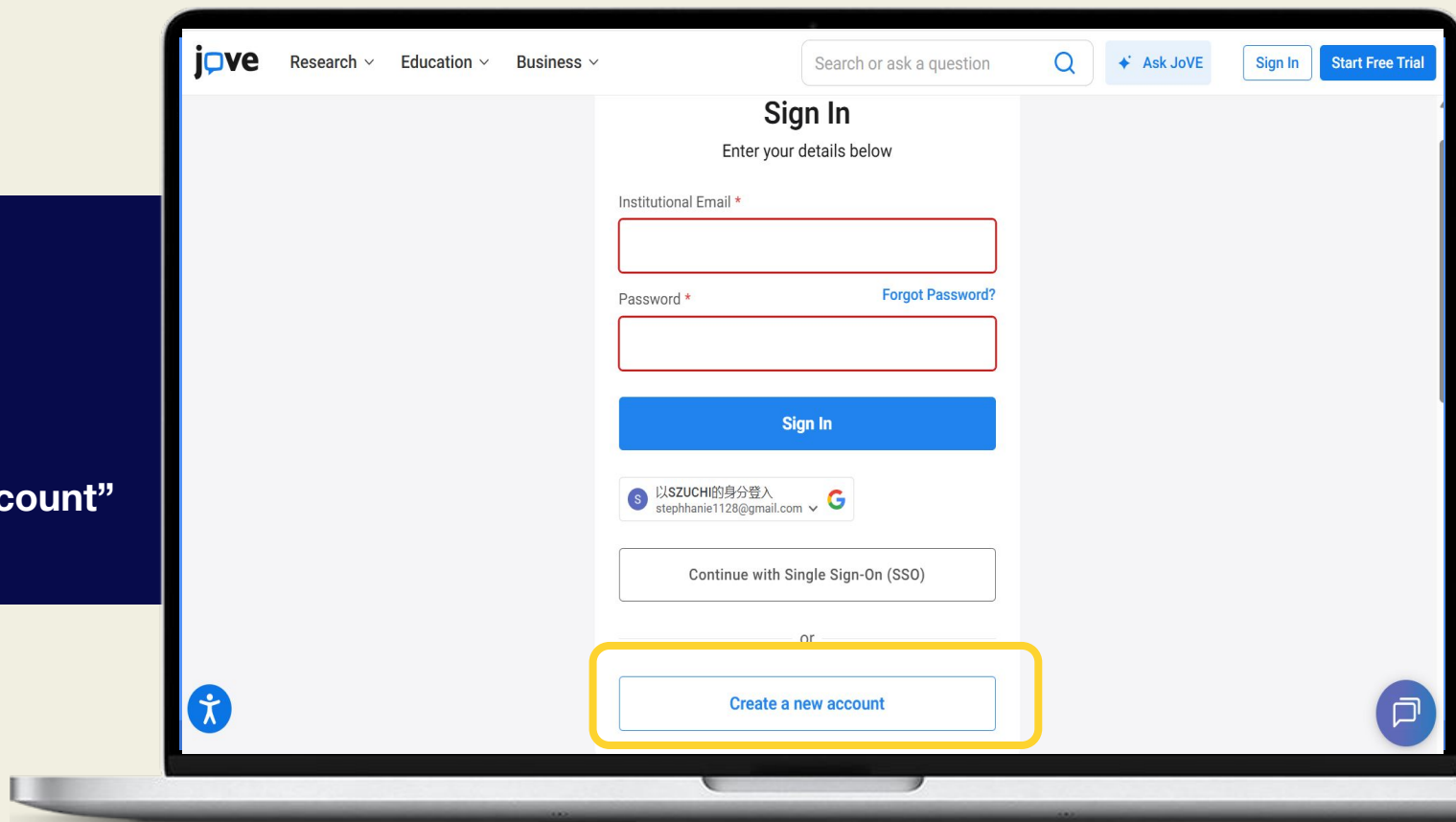
Characterization of Adipocytes



Automated Sample Preparation

3

請點選
“Create an Account”
「建立帳號」



4

輸入院/校方網址 email
“___@.edu.tw”

jove Research ▾ Education ▾ Business ▾

Search or ask a question

Ask JoVE Sign In Start Free Trial

Create Your Account

Institutional Email *

Create Account

or

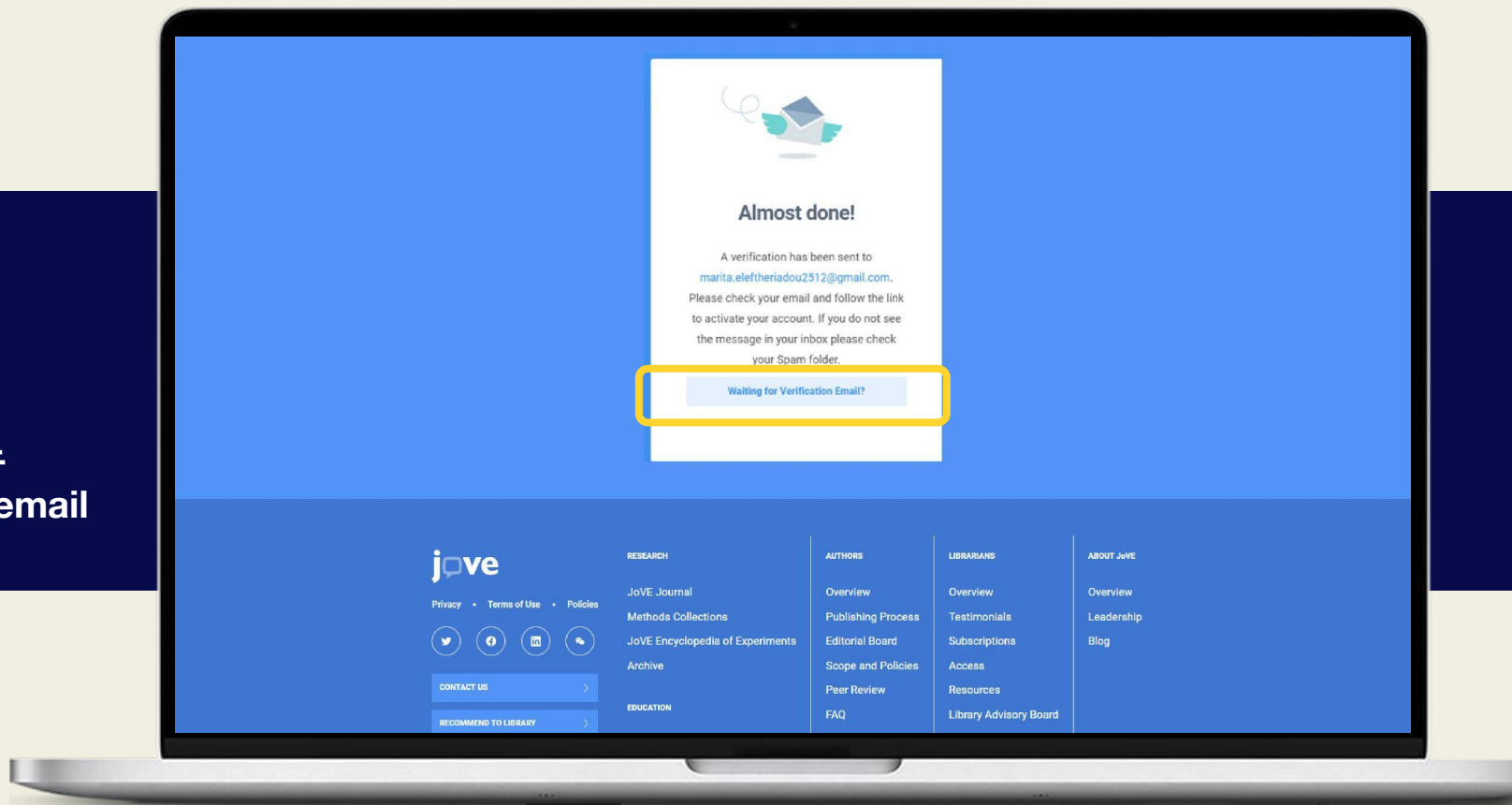
Sign in

If you need assistance with registration or login, please contact our Support team at support@jove.com

___@as.edu.tw /
___@gate.sinica.edu.tw

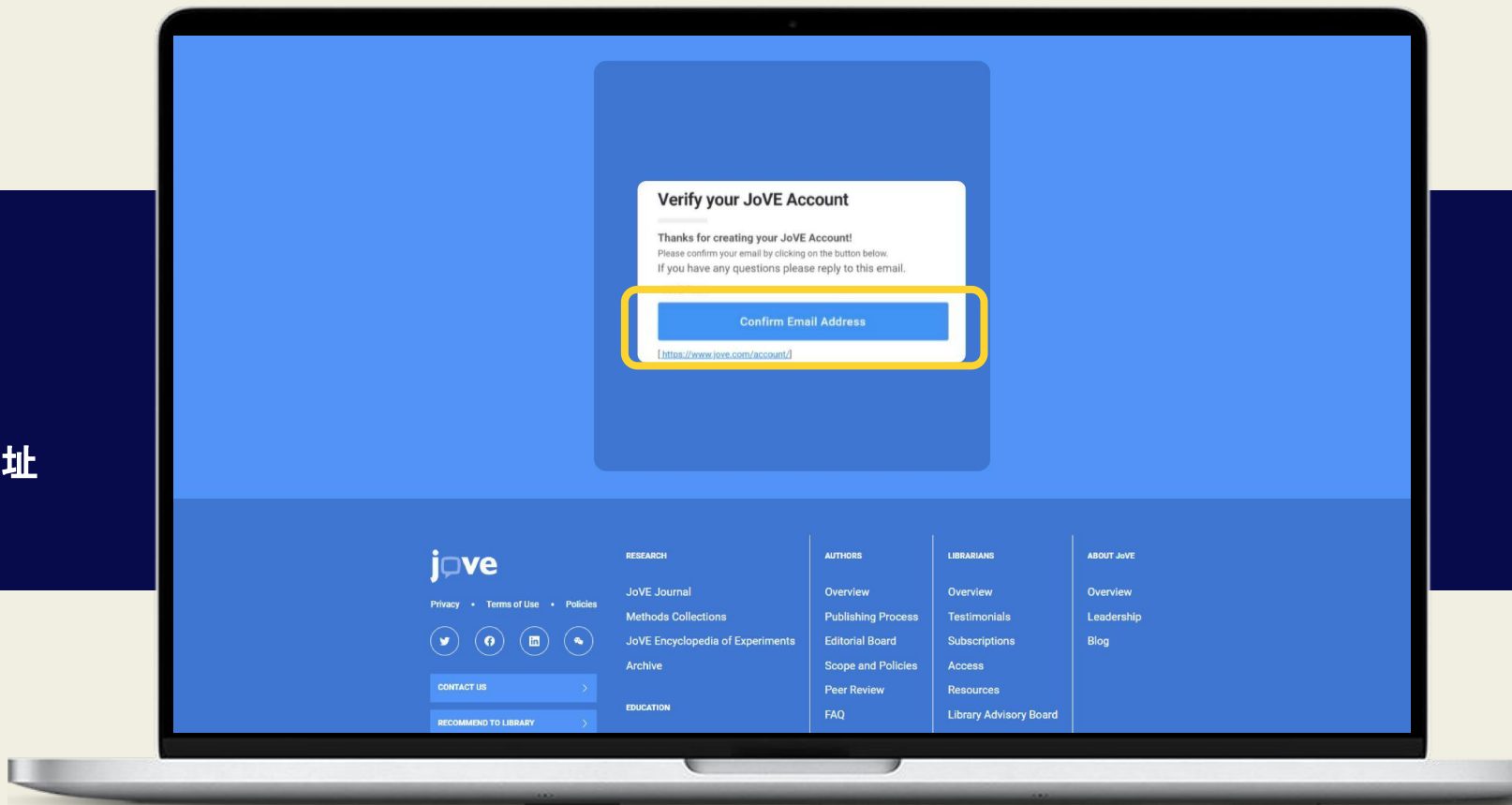
5

等待確認信件 Verification email



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

Select a Role



Job Title

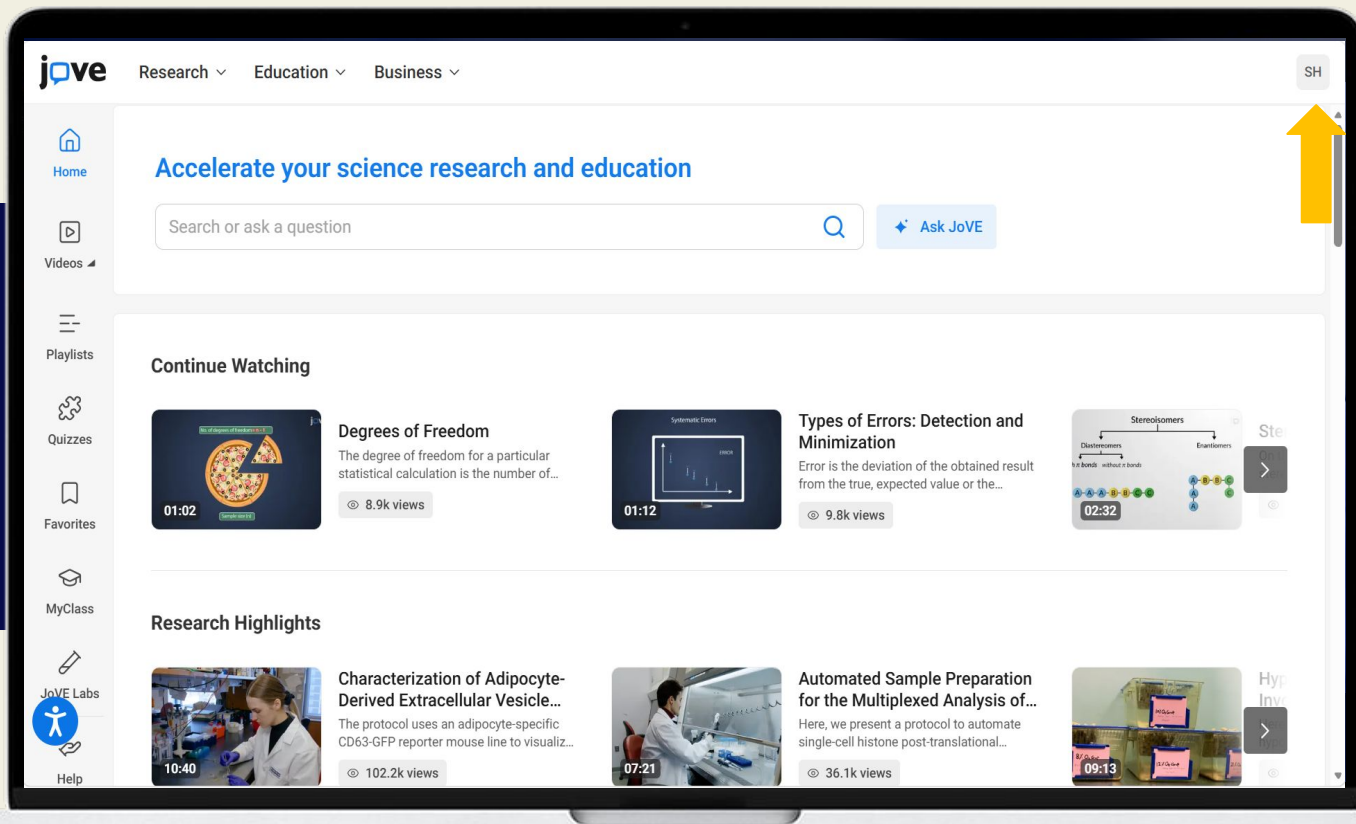
Create Account

10個字元 (英文字母大小寫, 數字及符號)

✦ 輸入

“Academia Sinica Institute of Life Science”
即可在下拉選單中搜尋到, 並點選選取

8

帳號建立
完成!

JoVE Research





Home



Videos ▾



Playlists



Quizzes



Favorites



MyClass

Accelerator

Search or

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

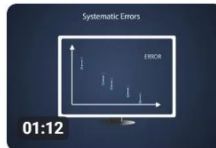
Continue Watching



Degrees of Freedom

The degree of freedom for a particular statistical calculation is the number of...

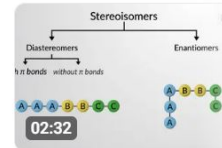
8.9k views



Types of Errors: Detection and Minimization

Error is the deviation of the obtained result from the true, expected value or the...

9.8k views



Ster

>

Research Highlights

點開

Research Education Business SH

Research 研究系列 下拉選單

Subjects

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

Products

- JoVE Journal
- JoVE Encyclopedia of Experiments
- JoVE Visualize

Search: **Ask JoVE**

涵蓋 13 大主題 2 大系列影片 1 AI 搜尋工具

- JoVE Journal** 科學期刊
- Encyclopedia of Experiment (EOE)** 實驗百科全書
- JoVE Visualize** 快速整合配對研究文獻與實驗技術影片

* Ask JoVE 輸入關鍵字 AI 馬上為您配對整合專屬的 JoVE 影音 (一般搜尋旁均設有)

Automated Sample Preparation Hyg

Research 研究系列 下拉選單**Subjects**

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

Products

JoVE Journal
JoVE Encyclopedia of Experiments
JoVE Visualize

點開**JoVE Journal 科學期刊 為例**

Ask JoVE

Automated Sample Preparation

Hyp

The screenshot shows the JoVE Journal homepage. A yellow box highlights the search bar at the top right, containing the text "Search or ask a question" and a magnifying glass icon. A yellow arrow points from a black text box to this search bar. Another yellow box highlights the "Sections" area at the bottom, which contains a grid of subject categories. A yellow arrow points from a black text box to this "Sections" area. The left sidebar contains navigation icons for Home, Videos, Playlists, Quizzes, Favorites, MyClass, and JoVE Labs. The main header includes the JoVE logo and navigation links for Research, Education, and Business. The main content area features the JoVE Journal title, a description, and four buttons: "Publish with JoVE", "Topical Collections", "Editorial Board", and "Archive".

JoVE Journal

Scientific video journal. Peer-reviewed.
Indexed in PubMed and Web of Science.

Search or ask a question

Ask JoVE

SH

Home

Videos

Playlists

Quizzes

Favorites

MyClass

JoVE Labs

Publish with JoVE

Topical Collections

Editorial Board

Archive

Sections

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

或是於搜尋欄位,直接搜尋有興趣的主題

選單主題列,均可點選進入有興趣的主題



JOURNAL
Genetics

點開

期刊影片化，嚴謹同儕評審，並收錄於
PubMed 與 Web of Science中的內容，
讓科學期刊更容易理解

右方可滑動搜尋有興趣的期刊

jove Research Education Business All Search or ask a question EN SH

Filters Reset all filters

Show Articles

All With video

Date 2005 2025

Author Search...

Institution Search...

Video coming soon

269 views • 2025 •
Jooa Kwon^{1,2}, George Z. He^{3,4}, Mirana Ramialison^{1,2,3,4,5}, Hieu T. Nim^{1,2,3,4}
¹Department of Paediatrics, Faculty of Medicine, Dentistry and Health Sciences, University of Melbourne,...

Cite PDF

Dual CRISPR-Interference Strategy for Targeting Synthetic Lethal Interactions...

646 views • 2025 •
Jeffrey L. Schloßhauer^{1,2}, Sama Shamloo^{1,2}, Katja Schamrin^{1,2}, Jochen Imig^{1,2}
¹Chemical Genomics Centre of the Max Planck Society, ²Max Planck Institute of Molecular Physiology

Cite PDF

CRISPR Epigenome Editing in Human Cells using Plasmid DNA Transfection a...

1.5K views • 2025 •
Anna E. Christenson^{*1}, Nikita S. Divekar^{*1}, Mitzi G. Hernández Zamora¹, Carolyn D. Nguyen¹, James K....
¹Department of Molecular and Cell Biology, University of California, Berkeley, ²Chan Zuckerberg Biohub - ...

Cite PDF

Showing results 1-10 of 440 for Journal Genetics

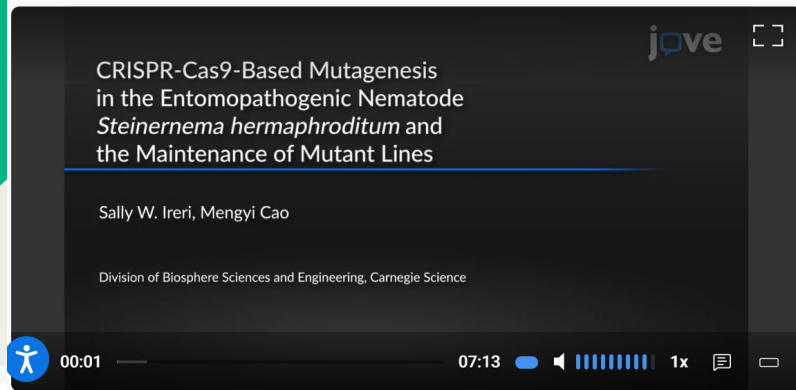
1 2 3 4 5 6 ... 44

點開

左方選單可依日期，作者，組織機構 設定預搜尋的期刊

可以加到我的最愛清單 ,影片提供連結分享

CRISPR-Cas9-based Mutagenesis in the Entomopathogenic Nematode *Steinernema hermaphroditum* and the Maintenance of Mutant Lines



Chapters in this video

- 0:00 Introduction
- 0:20 Nematode Preparation and CRISPR Target Selection for Microinjection in *Steinernema hermaphroditum*
- 2:38 CRISPR-Cas9 Microinjection and Post-Injection Recovery in *Steinernema hermaphroditum*
- 5:54 Results
- 6:39 Conclusion

按期刊格式排列，
可快速點選欲瀏覽 內容

Related Videos



相關期刊影片也會
列出於下方

Download PDF

Download Materials List

可引用也可加到播放清單，
作為隨時參閱的資料庫

期刊PDF 以及材料列表 可直接下載

影片可置入學習系統 LMS亦或提供連結分享

JoVE Education



點開

Research ▾ Education ▴ Business ▾ SH

Education 教育系列 下拉選單

Subjects

- Biology
- Chemistry
- Clinical
- Engineering
- Environmental Sciences
- Information Literacy
- Mathematics
- Pharmacology
- Physics
- Psychology
- Statistics

Products

- JoVE Core
- JoVE Lab Manual
- JoVE Science Education

涵蓋 11 大主題 3 大系列影片

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

* Ask JoVE 輸入關鍵字 AI 馬上為您配對整合專屬的 JoVE 影音 (一般搜尋旁均設有)

Home

Videos ▾

Playlists

Quizzes

Favorites

MyClass

Search

Ask JoVE

Ste

>

jove Research ▾ Education ▴ Business ▾ SH

Education 教育系列 下拉選單

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- Biology
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- Clinical
- Engineering
- Environmental Sciences
- Information Literacy
- Mathematics
- Pharmacology
- Physics
- Psychology
- Statistics

Products

- JoVE Core
- JoVE Lab Manual
- JoVE Science Education

點開

JoVE Science Education 科學方法與實作教育 為例

Home

Videos ▾

Playlists

Quizzes

Favorites

MyClass

Search

Ask JoVE

Ste

>

The screenshot shows the JoVE Science Education website interface. At the top, there is a navigation bar with 'Research', 'Education', and 'Business' dropdown menus. A search bar is located on the right, containing the text 'Search or ask a question' and a magnifying glass icon. To the right of the search bar is a button labeled 'Ask JoVE' and a user profile icon labeled 'SH'.

Below the navigation bar, the breadcrumb trail reads 'Home > Education > JoVE Science Education'. The main content area is divided into two columns. The left column, titled 'Education Videos', contains a sidebar with various navigation options: Home, Videos, Playlists, Quizzes, Favorites, MyClass, JoVE Labs, and Help. The 'Videos' option is highlighted. Below this, a list of subjects is provided: All Subjects, Biology, Chemistry, Clinical, Engineering, Environmental Sciences, Information Literacy, Mathematics, Pharmacology, and Physics. The 'Biology' subject is highlighted.

The right column, titled 'Science Education', displays a grid of video thumbnails. The first row shows two thumbnails: 'Basic Biology' and 'Advanced Biology'. The second row shows a thumbnail for 'Chemistry'. Each thumbnail has a title and a subtitle. The 'Basic Biology' and 'Advanced Biology' thumbnails have the subtitle 'SCIENCE EDUCATION'. The 'Chemistry' thumbnail has the subtitle 'SCIENCE EDUCATION'.

Annotations in yellow boxes highlight specific features: a box around the search bar with the text '或是於搜尋欄位, 直接搜尋有興趣的主題'; a box around the 'Biology' subject in the sidebar with the text '左方選單和右方主題列, 均可點選進入有興趣的主題'; and a box around the 'Basic Biology' and 'Advanced Biology' video thumbnails.



SCIENCE EDUCATION
Basic Biology

10分鐘影片,講解實驗理論與操作的
影片資料庫

點開

右方可滑動搜尋有興趣的實驗操作影片

JOVE SCIENCE EDUCATION
Basic Biology

Home > Education > JoVE Science Education > Basic Biology > Biology I: yeast, *Drosophila* and *C. elegans*

15 Videos - 138 Minutes [Add to LMS](#)

An Introduction to *Saccharomyces cerevisiae*
Saccharomyces cerevisiae (commonly known as baker's yeast) is a single-celled eukaryote that is frequently used in...
10:48 234.6k views

An Introduction to *Drosophila melanogaster*
Drosophila melanogaster, also known as the fruit fly, is a powerful model organism widely used in biological...
09:16 179.4k views [Free Sample](#)

An Introduction to *Caenorhabditis elegans*
Caenorhabditis elegans is a microscopic, soil-dwelling roundworm that has been powerfully used as a model...
09:13 106.7k views

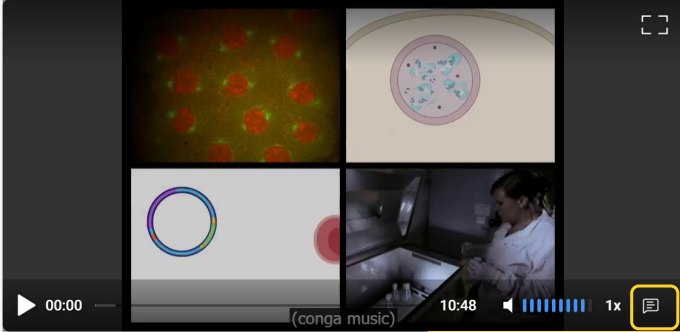
點開

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

Educ... > JoVE Science E... > Basic Bi... > Biology I: yeast, Drosophila a... > An Introduction to *Saccharomy...*

An Introduction to *Saccharomyces cerevisiae*

Video Quiz ***可創建考試題庫** English



00:00 (conga music) 10:48 1x

多種語言可切換

Add to LMS Add to Playlist

Chapters in this video

- 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:

Now Playing An Introduction to *Saccharomyces cerevisiae*
Related Videos
234.6K Views

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

也可加到播放清單,作為隨時參閱的資料庫

影片可置入學習系統 LMS亦或提供連結分享

Dedicated JoVE Team in 台灣



Account Manager
Shawn Lin (林序庠)
shawn.lin@jove.com



Customer Success Specialist
Szuchi Huang (黃思綺)
szuchi.huang@jove.com

Questions?

Scan Me



JoVE Customer Success Specialists (Taiwan)

客戶成功專員(台灣)

黃思綺 Szu Chi Huang

0966236204

szuchi.huang@jove.com



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