

A female scientist with blonde hair tied back, wearing a white lab coat and a stethoscope, is looking through a microscope. The background is a blurred laboratory setting. The entire image is framed by a blue border.

jove

Journal of Visualised Experiments

实验视频期刊



JoVE课程专家

万元, M.S. Analytical Chemistry



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JoVE实验视频读者群



产品经理**Selina**
产品试用



Enhance Research and Education with JoVE Videos!

Presented By
Yuan Wan



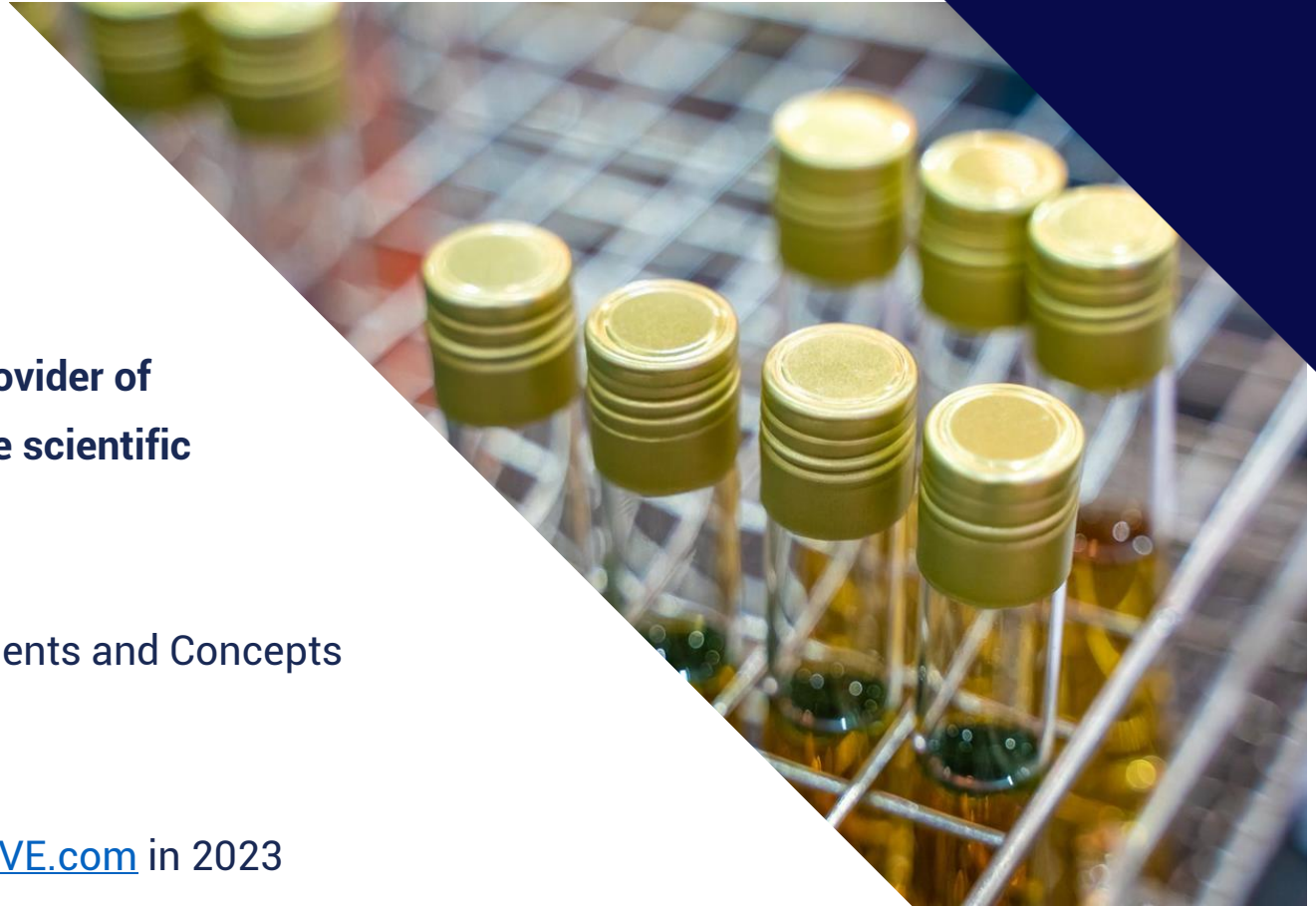
大纲

- JOVE期刊整体概况
- 期刊各板块及资源
- MyClass使用方法/Quiz使用方法
- 定制化视频专辑制作
- JOVE投稿流程

ABOUT JoVE

JoVE is the world-leading producer and provider of science videos with the mission to improve scientific research and education.

- 18,000+ Videos on Science Experiments and Concepts
- 1200+ subscribing institutions
- 66,500,000 of unique visits per year
- 343,000,000 days spent on www.JoVE.com in 2023



What Problems JoVE Solves

RESEARCH

- High Cost and Time to Learn Research Methods (Reproducibility)
- Low Productivity
- Limited Funding Spent to Train and Learn Methods
- Loss of Knowledge Due to Staff Turnover

EDUCATION

- Lack of Student Engagement
- Students Not Comprehending Complex Concepts
- Low Student Retention in STEM Majors
- Poor Test Scores
- Time it Takes Preparing Course Materials



阅文献千遍 不如 看视频一眼

实验文章

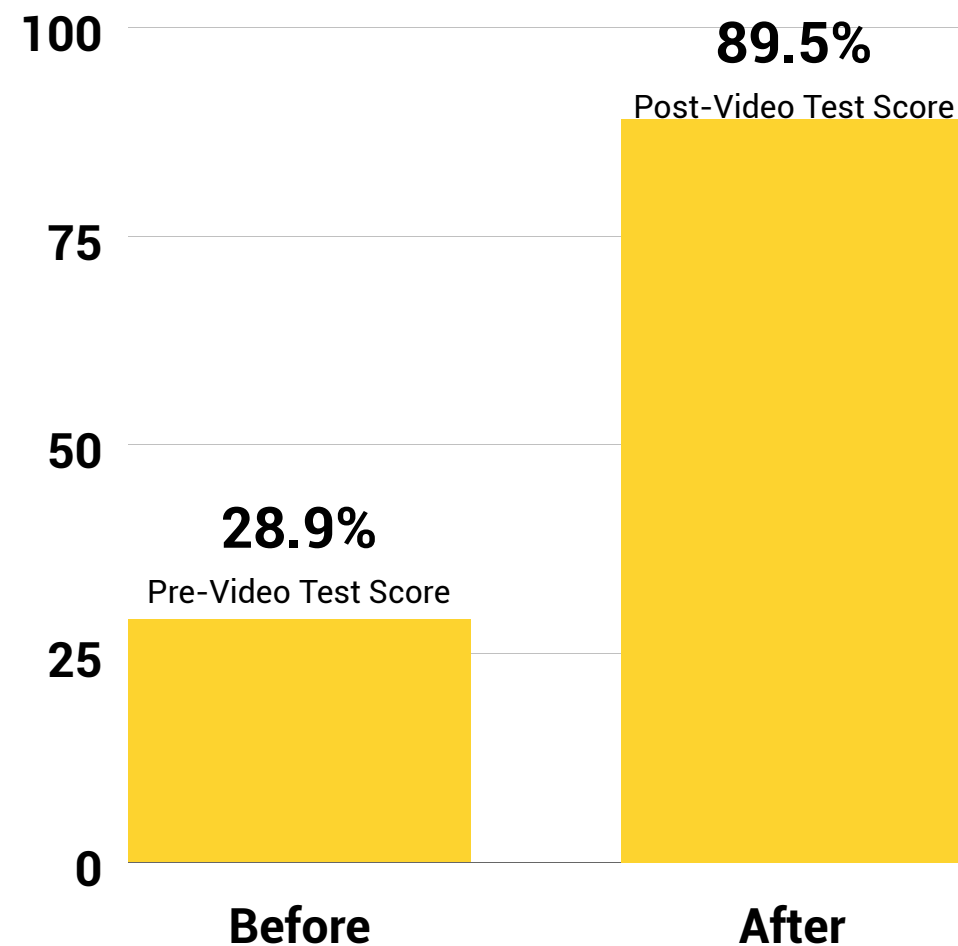
“三点钟方向定位中期纺锤体，用固定移液管固定。应用压电脉冲穿透透明带。用去核移液管接触中期板。抽吸纺锤体，并取出移液管。”

实际场景



JoVE Videos Have Huge Impact

JoVE videos were seen to have a significant positive impact on students' learning and test performance: average **test scores increased from 29% to 89% in an independent study at UCLA.**



Source: [UCLA Case Study](#), Ramachandran et al., J. Chemical Education 2021

Dr. Moshe Pritsker

- 普林斯顿大学生物学博士，
哈佛大学博士后
- JoVE实验视频期刊创始人及
CEO

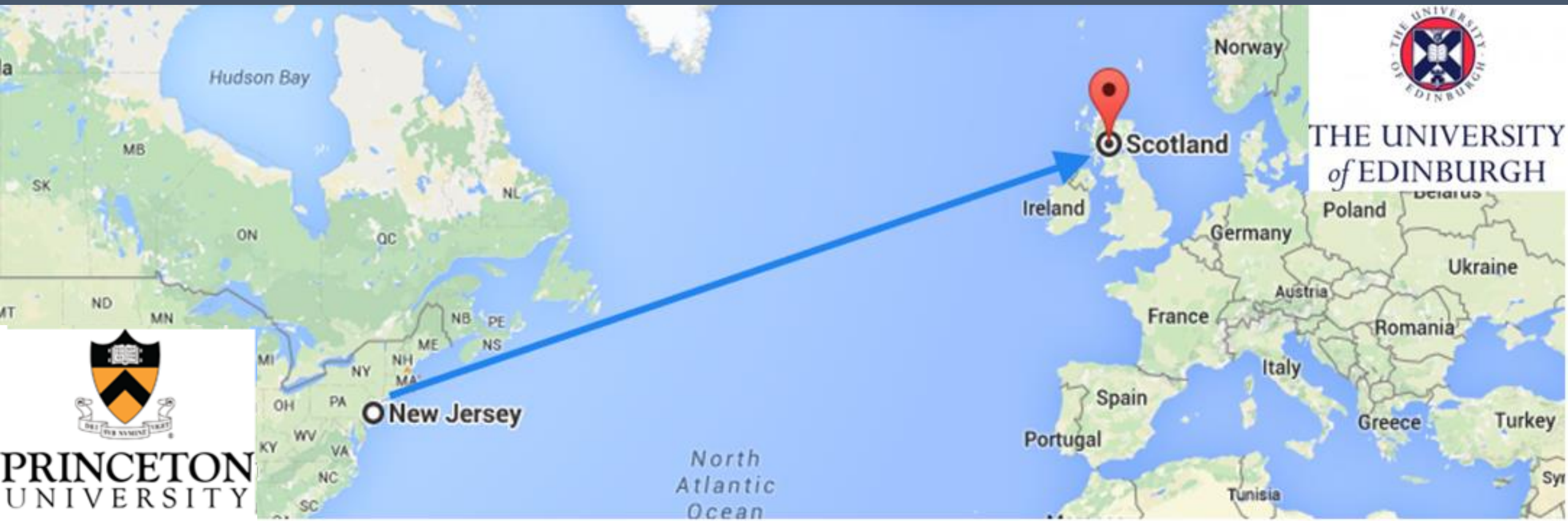


Moshe Pritsker, Ph.D.

重复一个实验曾花费的时间和金钱

2 months of travel

\$10,000 for 1 experiment



Nobel Laureate JoVE Authors



Jack Szostak



2009 Nobel Prize Winner



Physiology or Medicine

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Frances Arnold



2018 Nobel Prize Winner



Chemistry

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Robert H. Grubbs



2005 Nobel Prize Winner



Chemistry

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Oliver Smithies



2007 Nobel Prize Winner



**Physiology or
Medicine**

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John B. Gurdon



2012 Nobel Prize Winner



**Physiology or
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Ben Feringa



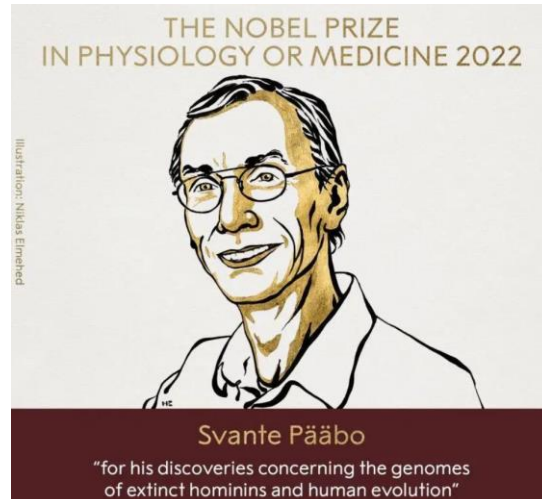
2016 Nobel Prize Winner



Chemistry

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Nobel Laureate JoVE Authors



Svante Pääbo



2022 Nobel Prize Winner



Physiology or Medicine

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引物延伸捕获：从严重退化的DNA来源有针对性的顺序检索

DOI: [10.3791/1573-v](https://doi.org/10.3791/1573-v)

Svante Pääbo, Adrian W. Briggs¹, Jeffrey M. Good¹, Richard E. Green¹, Johannes Krause¹, Tomislav Maricic¹, Justin C. Williams², Udo Stenzel¹

Max-Planck Institute for Evolutionary Anthropology, Leipzig¹, University of Wisconsin-Madison²



实验视频来自



HARVARD
UNIVERSITY



Stanford University

Berkeley
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National Institutes of Health
Turning Discovery Into Health

Yale University

以及世界各地的学术机构

JOVE实验视频来自于哈佛大学 (Harvard)、麻省理工学院 (MIT)、斯坦福大学 (Stanford)、耶鲁大学 (Yale)、加利福尼亚大学伯克利分校 (UC Berkeley)、哥伦比亚大学 (Columbia) 等世界著名高校及学术研究机构的实验室。

上述这些机构的学者同时也在利用JOVE进行科研工作。

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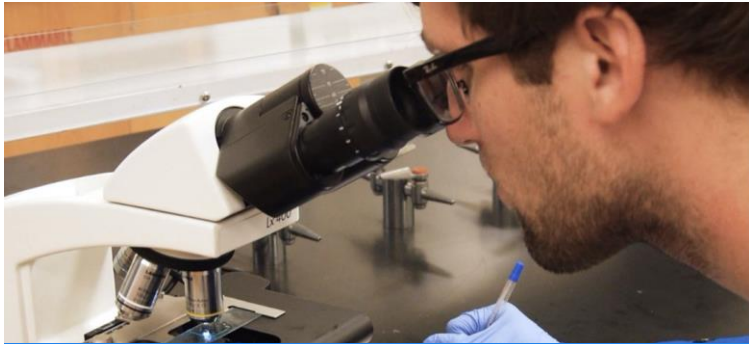
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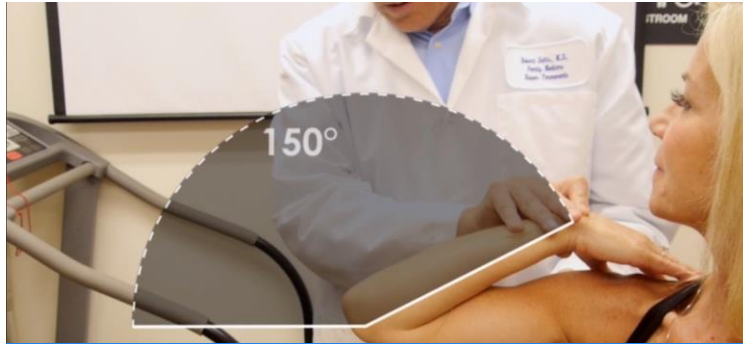


JoVE Supports an Array of Instruction & Research Needs



Education

- Curriculum focused multimedia
- MyClass platform
- Improves science teaching and learning



Training

- Efficient training tool for onboarding new lab members
- Provides refreshers for seasoned scientists



Research

- Peer-reviewed methods in video and text form
- Improves reproducibility and productivity
- Helps visualize the intricate details of cutting-edge experiments

JoVE

数据库总有**18,000+** 视频

不断增加前沿实验的数据库

JoVE数据库视频种类包括科学原理、实验操作、一线研究等，其分类：

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- [生物](#)
- [化学](#)
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- [有机化学](#)
- [社会心理学](#)

科学教育 Science Education

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- [工程](#)
- [环境科学](#)
- [物理](#)
- [心理学](#)

实验室手册 Lab Manual

- [生物](#)
- [化学](#)

研究部分

实验百科 Encyclopedia of Experiments

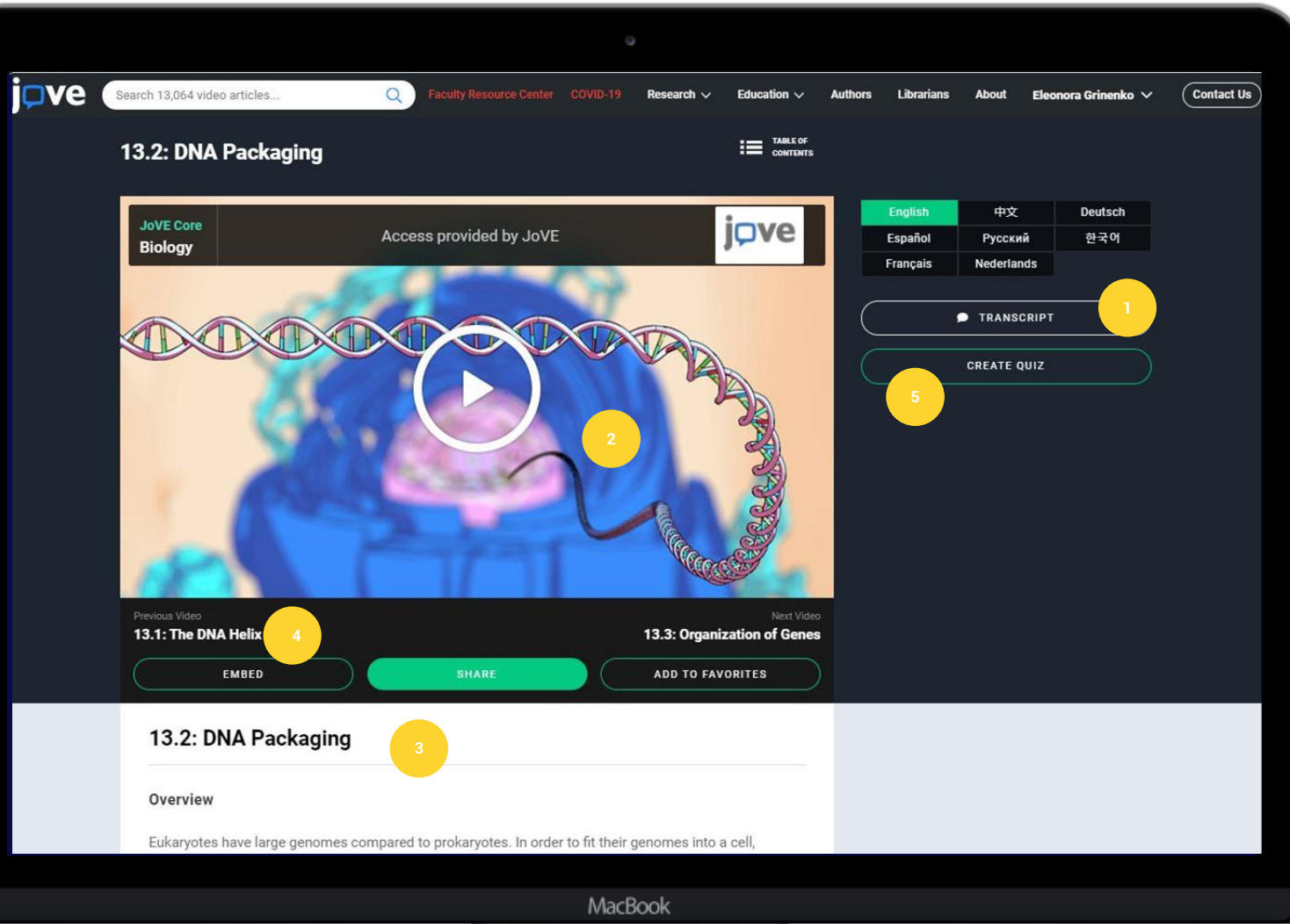
- [生物](#)
- [癌症研究](#)

期刊 Journal

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- [免疫与炎症](#)
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JoVE Core - Helpful Features for Instructors



1

Video Transcript

2

Short Video

3

Reading Material

4

Embed, Share, Add to Favorites buttons

5

Create Quiz

JoVE Core - Helpful Features for Students



The screenshot displays the JoVE Core website interface. At the top, there is a search bar with the text "Search 12,463 video articles..." and a navigation menu with links: Faculty Resource Center, COVID-19, Research, Education, Authors, Librarians, About, Eleonora Grinenko, and Contact Us. The main content area features a video player with a blue and orange background. A language selection menu is open, showing options for English, Français, Português, العربية, עברית, Русский, 中文, Italiano, Español, Nederlands, 日本語, Türkçe, Deutsch, and 한국어. A transcript box is visible on the right side of the video player, containing text about eukaryotes and DNA packaging. Below the video player, there are buttons for "Previous Video", "Next Video", "13.1: The DNA Helix", and "13.3: Organization of Genes". At the bottom, there are buttons for "EMBED", "SHARE", and "ADD TO FAVORITES".

13.2: DNA Packaging

Overview

Eukaryotes have large genomes compared to prokaryotes. In order to fit their genomes into a cell, eukaryotes must pack their DNA tightly inside the nucleus. To do so, DNA is wound around proteins called histones to form nucleosomes, the main unit of DNA packaging. Nucleosomes then coil into compact fibers known as chromatin.

- 1 Voice-over Translations
- 2 Animations Illustrating Key Concepts
- 3 Subtitles and Closed Captions
- 4 Speed Regulation

JoVE Science Education

500+ videos

easy-to-understand
video demonstrations

key conceptual and methodological details
that are difficult to visualize using
text alone

[Advanced Biology](#) [6 collections]

[Basic Biology](#) [6 collections]

[Chemistry](#) [6 collections]

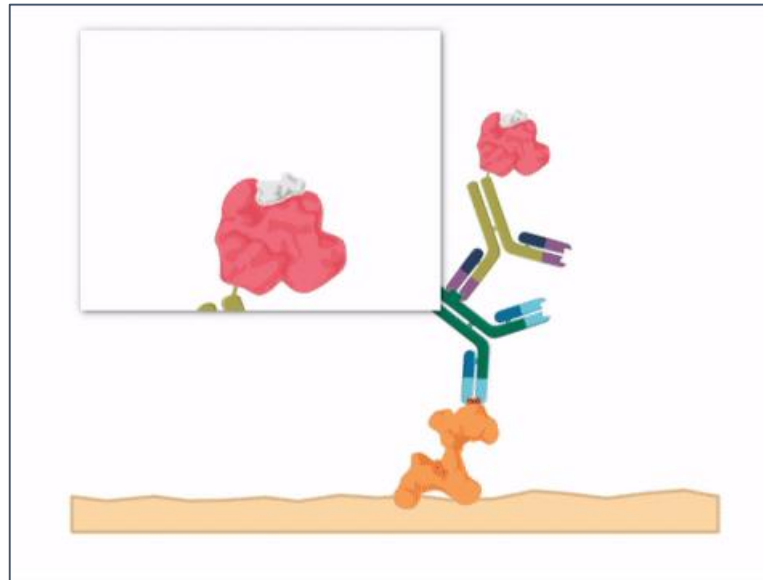
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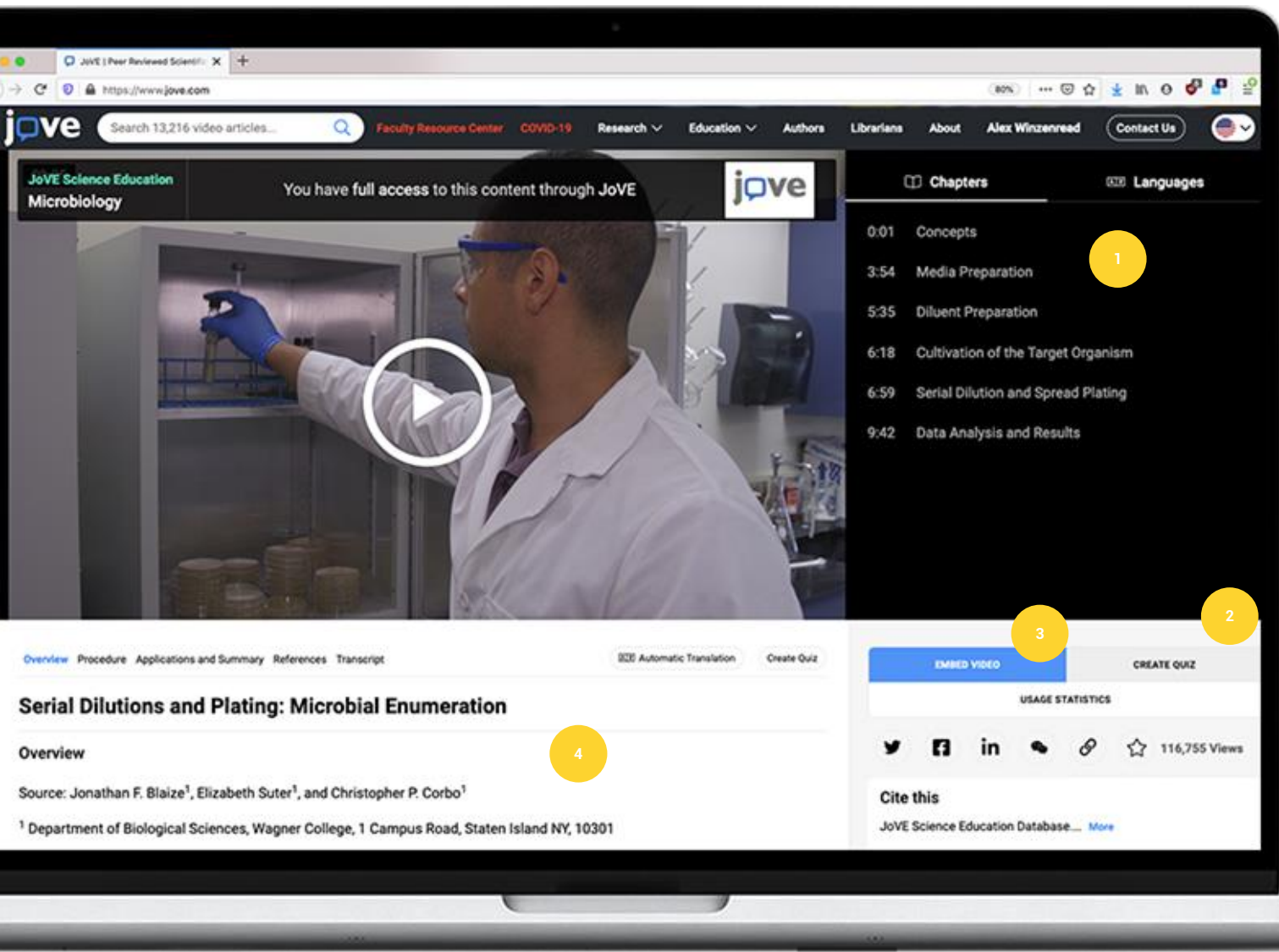
**Basic Biology - The
ELISA Method**



**Advanced Biology - An
Introduction to
Neuroanatomy**



JoVE Science Education - Helpful Features for Instructors

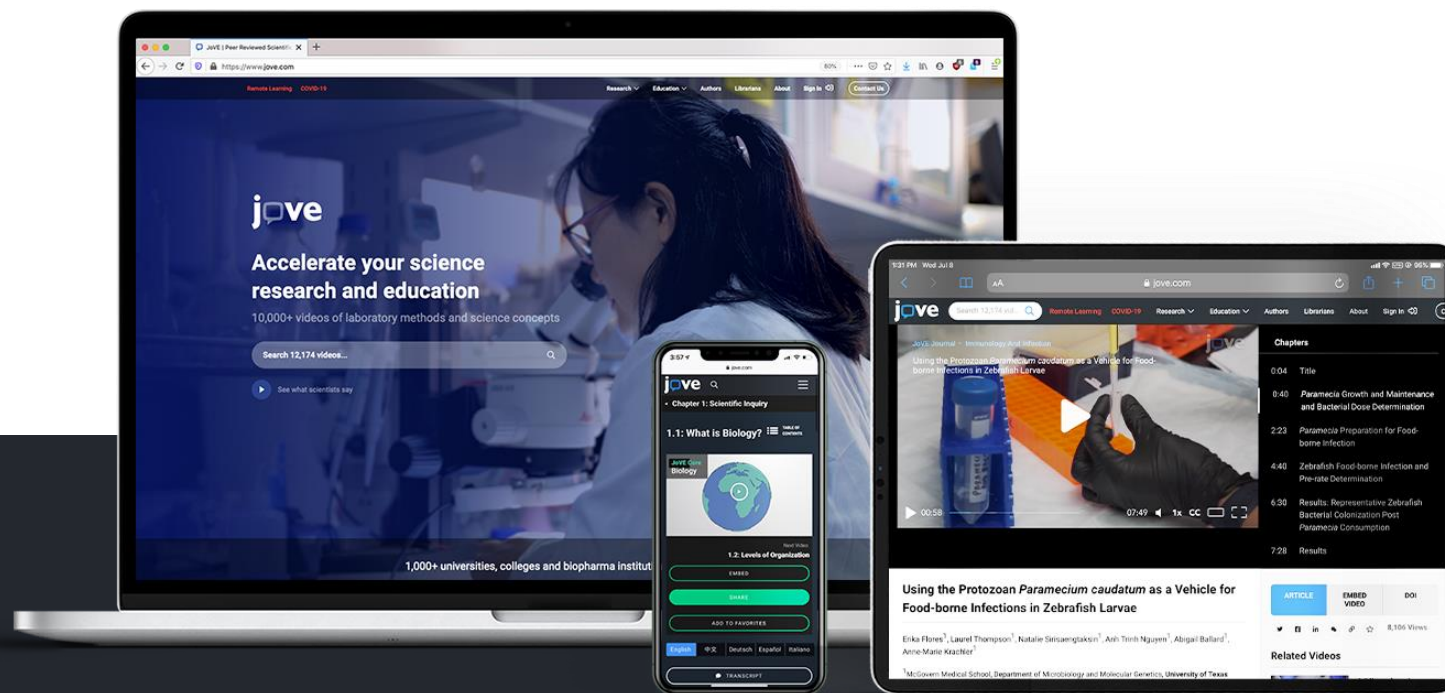


- 1 Navigation
- 2 Create Quiz
- 3 Embed Video
- 4 Protocol

如何观看 JoVE 视频

机构内:

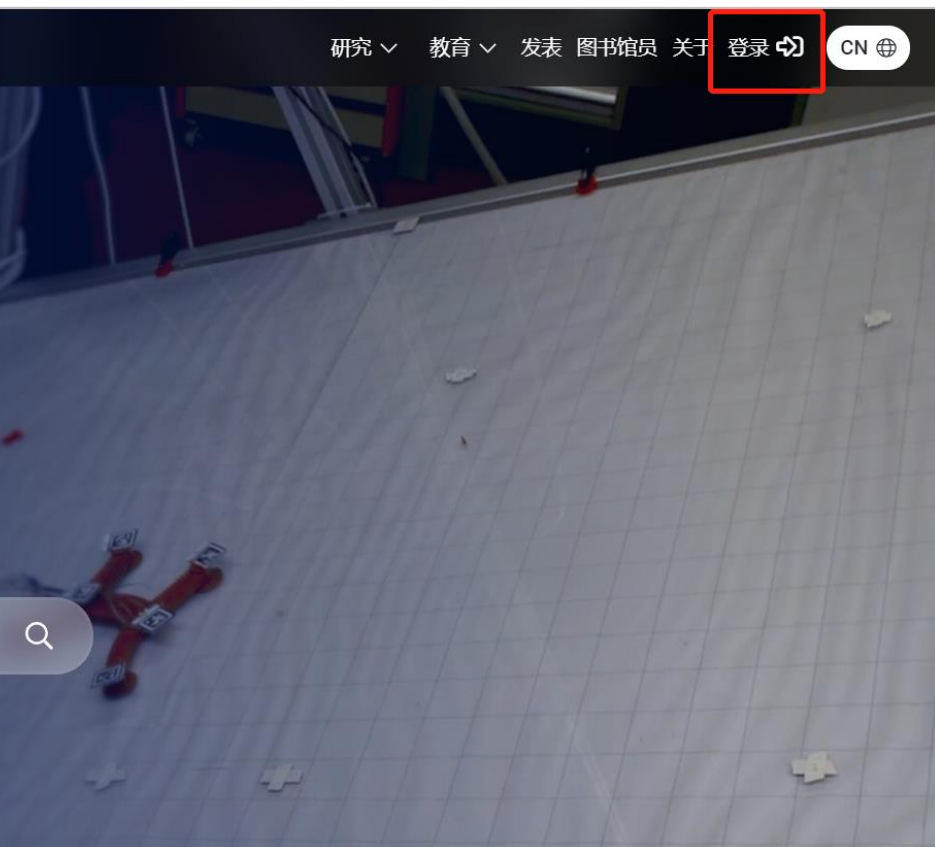
- ✓ 机构IP地址直接可用



机构外:

- ✓ 机构邮箱注册登录
- ✓ MyClass平台分享

邮箱注册



登录

在下方输入您的详细信息

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Class Details

Class Name: 植物学 DEMO

Description:

Faculty Name: Yuan Wan

Access Type: Open

Students can join using any email address

Invite Students

(0 students in the class)

Contents added to this Class

Playlists & Quizzes added to this class for your students

Playlists

Quizzes

Add Playlist

Name

No. Of Videos

Actions

浙江大学-陈文镜老师-细胞生物学-授本科一年级

50

Edit

View Analytics



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2.3 电子行为

定制化视频专辑与实验培训项目的视频匹配

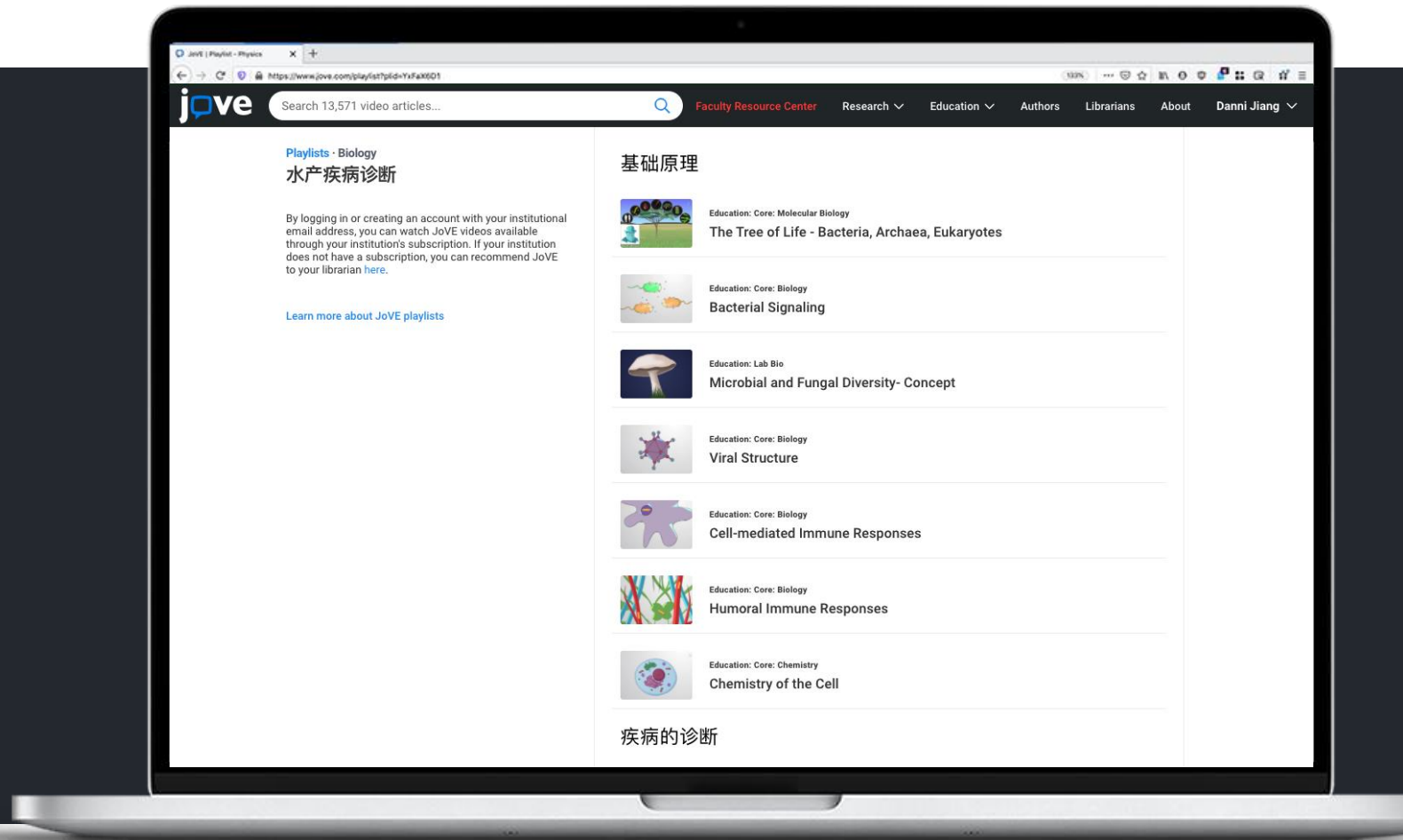
大量节省备课，备研究培训的时间



JoVE的课程专家会相对教学大纲/实验培训项目进行视频匹配



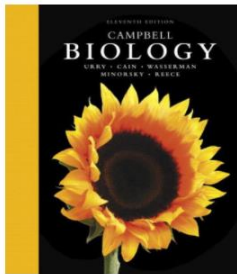
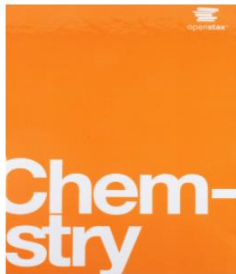
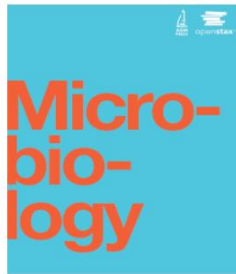
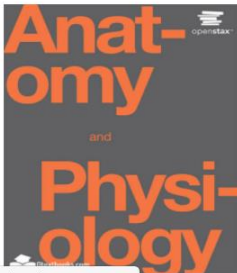
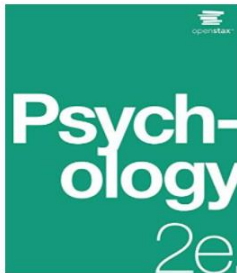
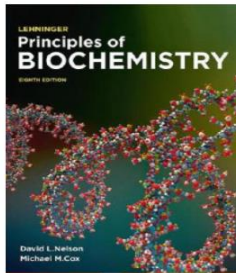
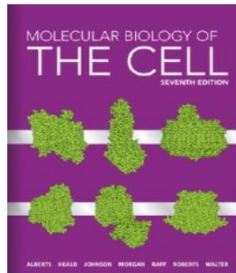
收到匹配视频后，可以轻易根据需求增减视频



教科书匹配

- Campbell Biology
- OpenStax Biology
- OpenStax Chemistry
- OpenStax Microbiology
- OpenStax Anatomy & Physiology

jove Search 14,153 video articles... Faculty Resource Center Research Education Authors Librarians About Yuan Wan EN

			
OpenStax Biology	Urry, Lisa A., et al. <i>Campbell Biology</i> . 12th ed., Pearson, ©2021.	Flowers, Paul, et al. <i>Chemistry 2e</i> . OpenStax, 2021.	Parker, Nina, et al. <i>Microbiology</i> . OpenStax, 2021.
			

<https://www.jove.com/textbook-mapping/2>

投稿过程

从投稿到剧本，我们来帮您...



作者投稿

作者向JoVE提交往常的科学文稿，其中包括实验操作的具体步骤和有象征性的结果。



同行审查+ 脚本编剧

如果文稿被接受，文稿会被剧本团队的科学家改写为脚本。



制作

编辑团队会花一整日在作者实验室拍摄需要的实验步骤和场景。剪辑后，视频会添加画外音。



出版

文章在JoVE正式出版后，会在Web of Science和PubMed索引。



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问答环节

- 1、JoVE包含哪两个主要部分？
- 2、JoVE目前有多少个视频？
- 3、在校外怎么访问JoVE才有权限？

Q&A



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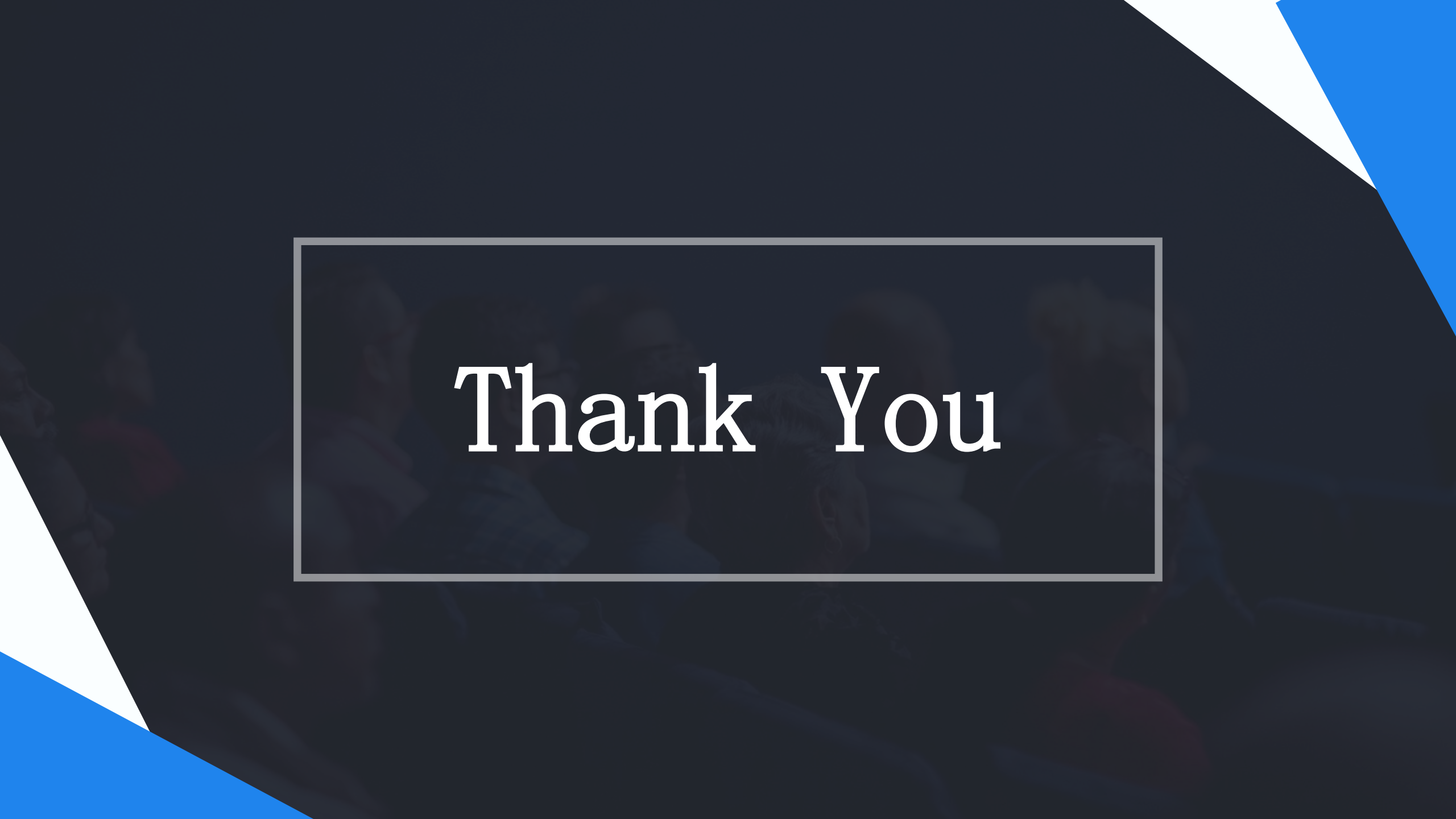


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Thank You