



Accelerate your science
research and education.

Introduction:



Trevor Schuck, Account Manager for Key Accounts

Trevor has a Bsc in Comprehensive Science from Villanova University and has 2+ years experience in building library relations.

Trevor is the Key Contact for OhioLINK Access and Questions

Trevor.schuck@jove.com



Dr Maaïke Pols, Scientific Advisor

Maaïke obtained a PhD in Cell Biology from Utrecht University where she was involved in teaching and research. She did a post doc at the University of Queensland and then moved to London as an editor for F1000Research before joining JoVE in 2017
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- What is JoVE?
- What is JoVE?
- Create a free JoVE account for remote access

Ask your JoVE Curriculum Specialist for help

- Your access to JoVE Education resources
- Sharing videos with students
- JoVE training sessions and customer support





creates scientific videos
that make **Teaching**,
Learning, and **Practicing**
Science more efficient,
effective, and engaging.



CEO Moshe Pritsker, Ph.D.
in 2006 at Princeton
University

“

It was really difficult learning new experiments from traditional science journals, and especially as a non-native English speaker ... there must be a better way to do it! Why not complement published experiments with a video showing the steps in vivid detail?

Moshe Pritsker, Ph.D.
CEO, JoVE



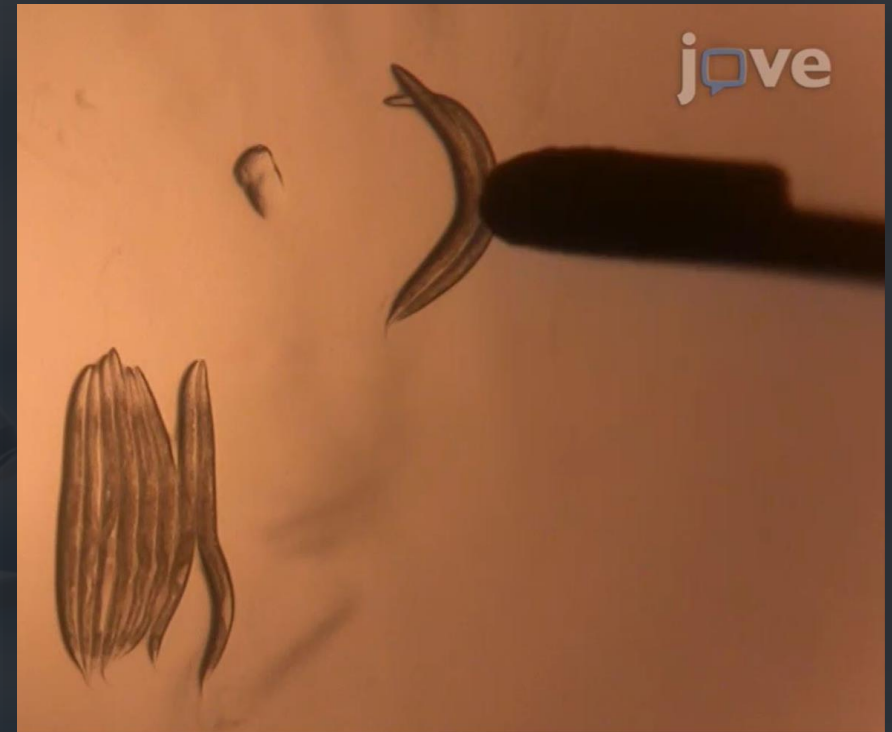
”

Visualizing > Reading

TEXT ARTICLE

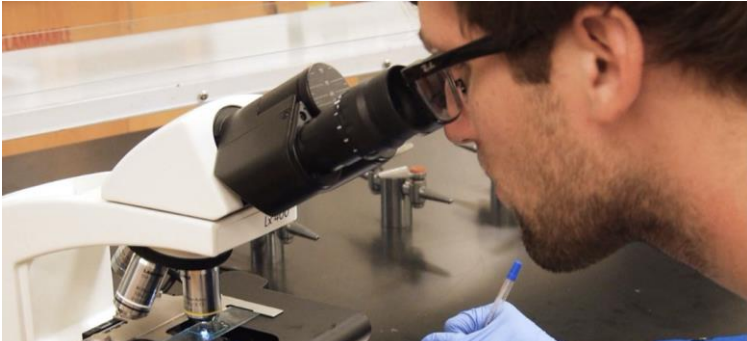
“Once sodium azide has evaporated, line up animals to desired imaging setup. Move the animals side by side with anterior and posterior sides in the same orientation for all animals. Image animals immediately.”

REAL LIFE

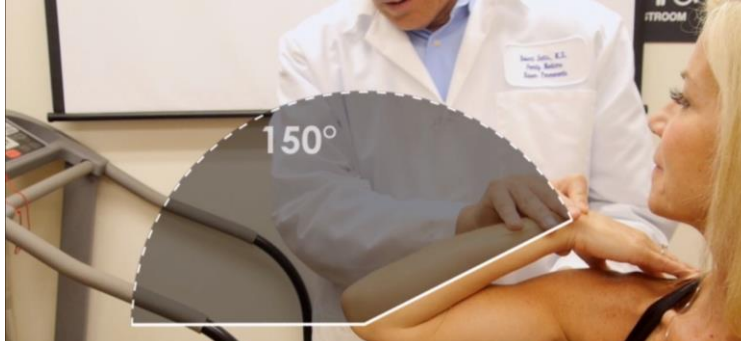


WHAT IS JoVE?

JoVE creates scientific videos for five unique resources:



Education



Training



Research

- **JoVE Core**

An animated text book. Foundational concepts are explained through high-impact animations and real-life experimentation. (Biology, Chemistry, Social Psychology series)

- **JoVE Lab Manual**

Videos for both instructors and students in introductory biology lab courses. (Biology and Chemistry series)

- **JoVE Science Education**

Teaching scientific fundamentals through simple easy-to-understand video

- **JoVE Video Journal**

Publishes experimental techniques in visual format with detailed text protocols to increase scientific reproducibility and productivity.

- **JoVE Encyclopedia**

Collections of experimental techniques for specific model organisms

Video Library

- **12,500+** videos in a growing library
- **1,200+** new videos published per year
- **1,000+** subscribers
- **8+ million** users worldwide

Video Features

- **24/7** access worldwide
- **10+** languages in translations and voice-overs
- **10,000+** downloadable protocols

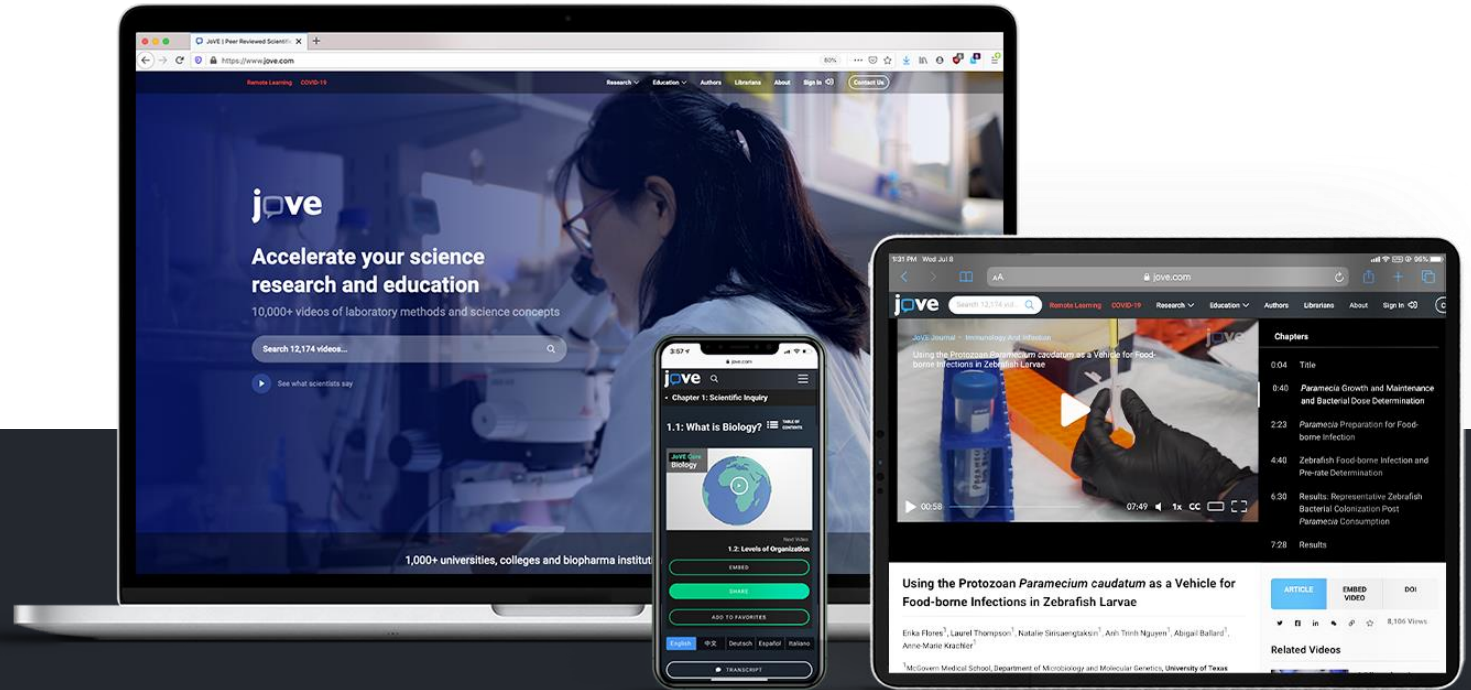
Accessing JoVE Videos

On Campus:

- ✓ IP Recognition; videos within subscription play instantly

Off Campus:

- ✓ Domain authentication
- ✓ OpenAthens and Shibboleth
- ✓ Authenticated remote access with EZProxy
- ✓ Embedded in your LMS (learning management system)



Accessing JoVE Videos Through a JoVE Account

On and Off Campus:

- ✓ Create a free librarian or faculty JoVE account with an institutional email address to:

Check your JoVE access

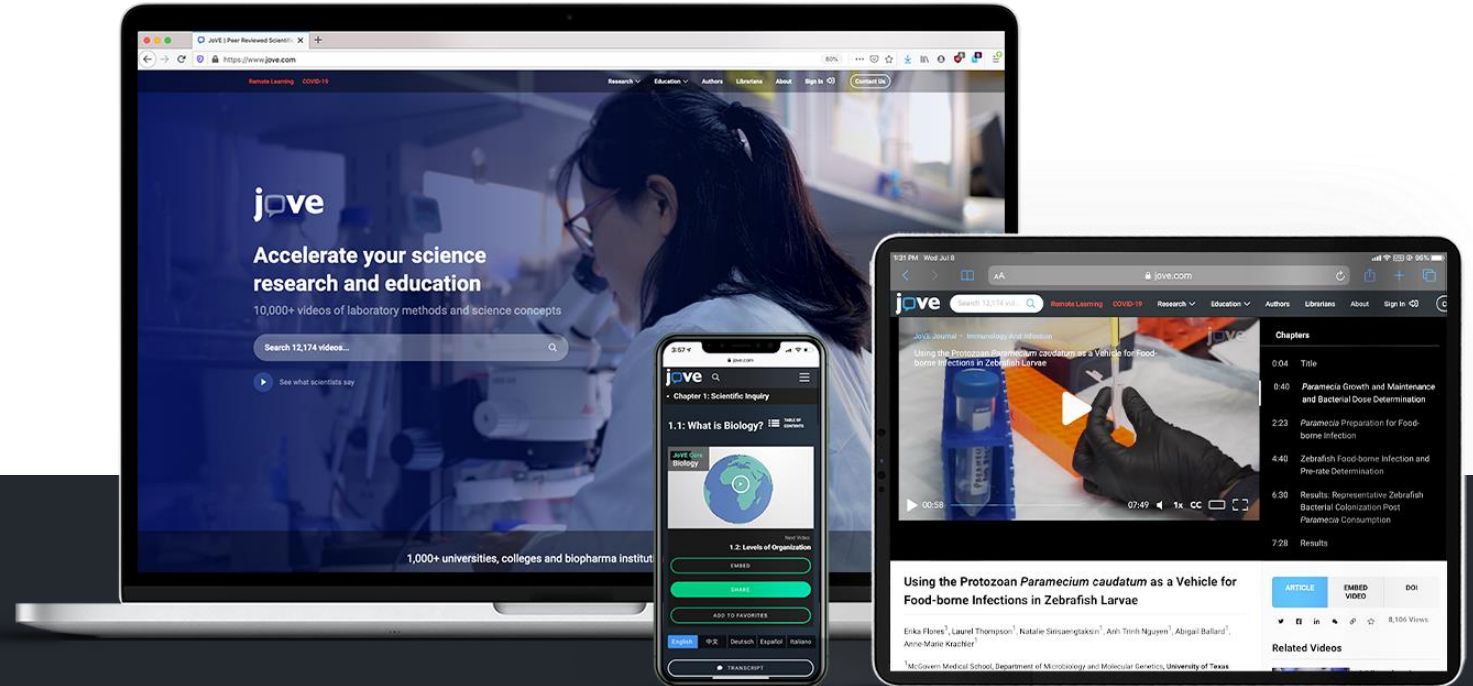
Watch videos even when off campus

Create embed codes to share videos with off-campus students

Create JoVE Tests

Create a playlist of your favourite videos

Post questions and comments for article authors



JoVE Core

Video textbooks that can serve as effective primary or supplementary teaching resources.

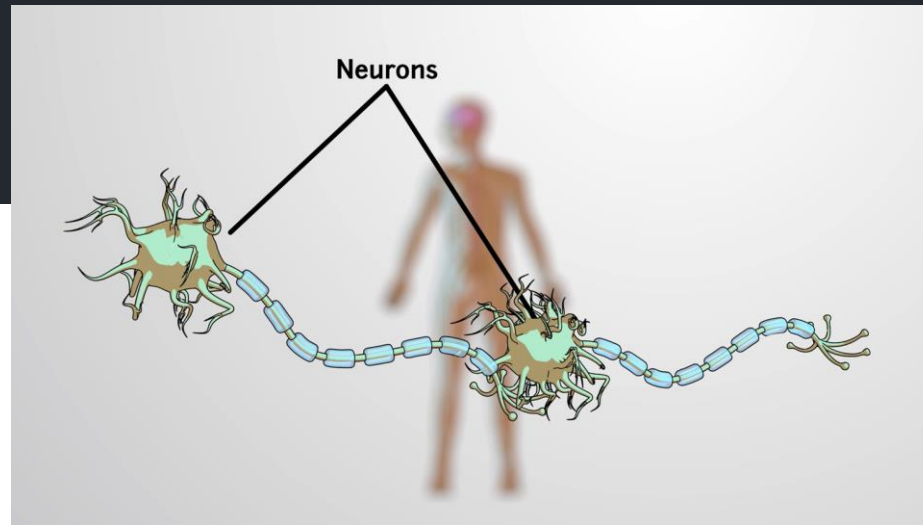
JoVE Core: Biology

[Available in English, Chinese, German, Spanish, Italian, French, Russian, Dutch and Korean]

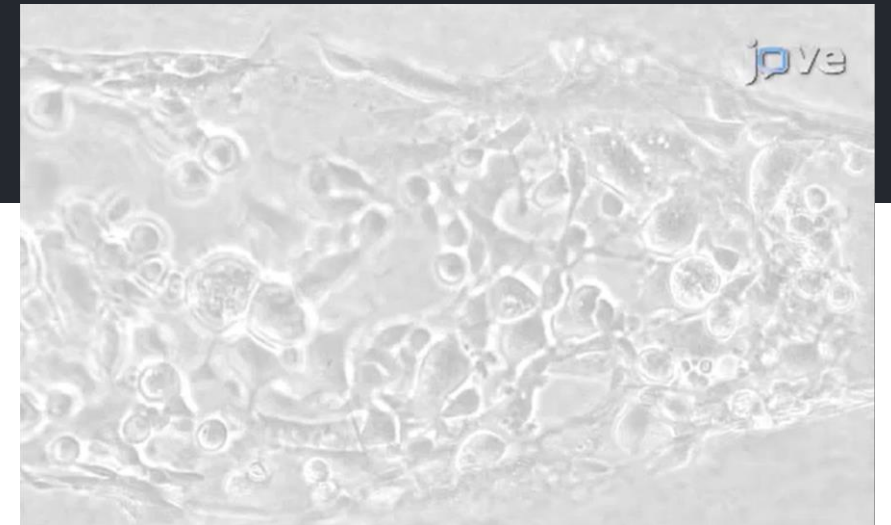
JoVE Core: Chemistry

JoVE Core: Social Psychology

**Bring key
introductory
concepts to life
through ...**



High-impact Animations



Scientist-in-action Videos Of Experiments
Conducted In Laboratory Settings

JoVE Core - Helpful Features for Instructors



The screenshot displays the JoVE Core website interface on a laptop screen. The top navigation bar includes the JoVE logo, a search bar with 12,463 video articles, and links to Faculty Resource Center, COVID-19, Research, Education, Authors, Librarians, About, and Eleonora Grinenko. The main content area features a video player for '13.2: DNA Packaging' with a language menu overlay. The video player includes a progress bar and a subtitle 'per ospitare lo spazio limitato della cellula.' A transcript is visible on the right side of the video player. Below the video player are buttons for 'EMBED', 'SHARE', and 'ADD TO FAVORITES'. The article text is visible below the video player.

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

Video Transcript

2

Short Video

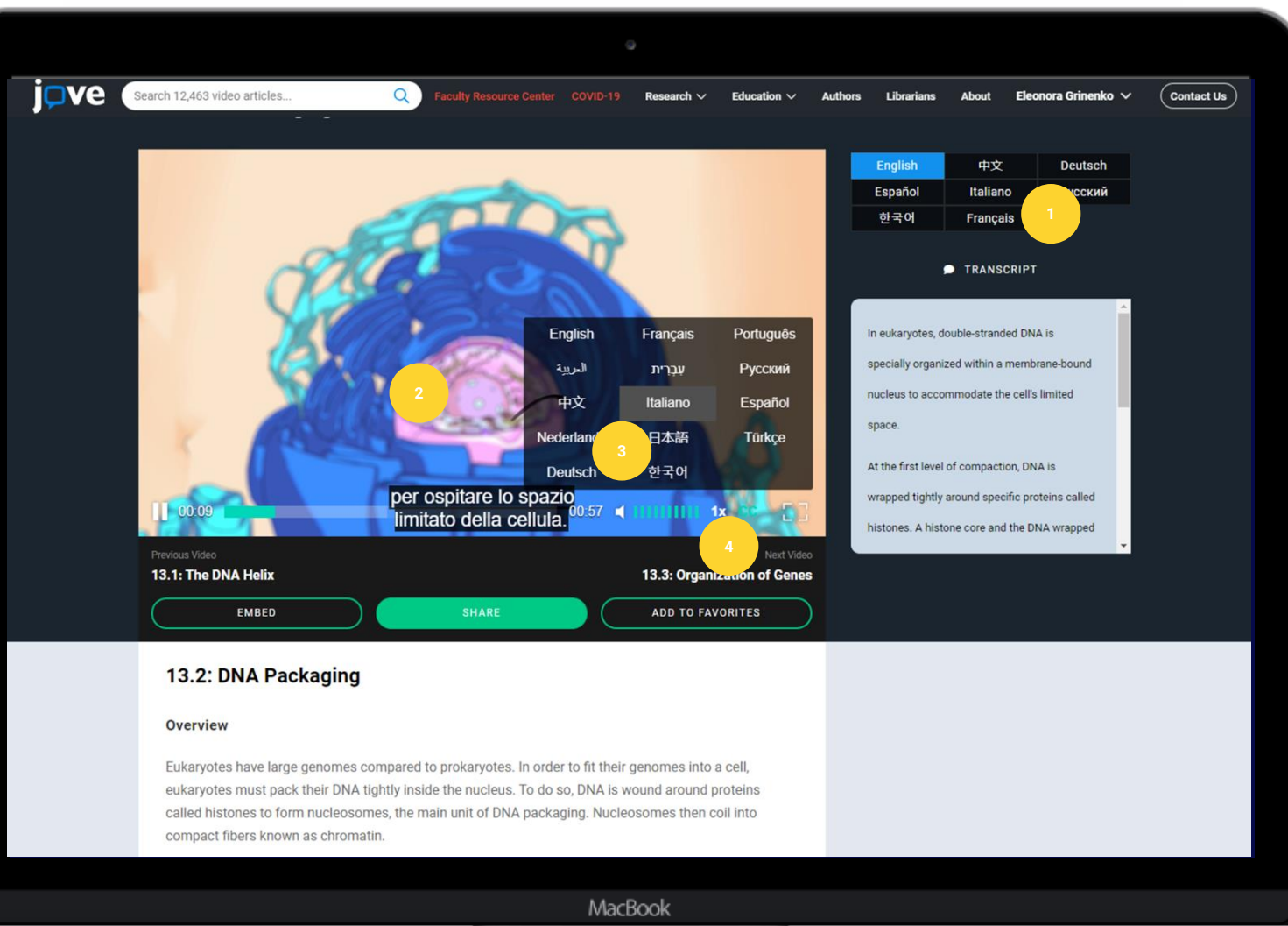
3

Reading Material

4

Embed, Share, Add to Favorites buttons

JoVE Core - Helpful Features for Students



1

Voice-over Translations

2

Animations Illustrating Key Concepts

3

Subtitles and Closed Captions

4

Speed Regulation

JoVE Lab Manual

Curriculum-focused video resources that support teaching and learning of commonly taught introductory labs.

[JoVE Lab Manual: Biology](#)

[JoVE Lab Manual: Chemistry](#)

Step-by-step instructions for each lab experiment from 3 perspectives ...



Instructor Preparation



Concepts



Student Protocol

JoVE Lab Manual - Helpful Features for Instructors



The screenshot shows the JoVE Lab Manual website interface. At the top, there is a search bar and navigation links. The main content area displays a video player for the article 'Diffusion and Osmosis'. The video player has a 'TRANSCRIPT' button and a language selection menu. Below the video player, there are buttons for 'EMBED', 'SHARE', and 'ADD TO FAVORITES'. The article title is 'Diffusion' and the subtitle is 'Cell Membranes and Diffusion'. The video player shows a progress bar and a volume icon. The language selection menu includes options for English, Français, Português, العربية, עברית, Русский, 中文, Italiano, Español, Deutsch, 한국어, and Türkçe. The 'TRANSCRIPT' button is located next to the video player. The 'EMBED', 'SHARE', and 'ADD TO FAVORITES' buttons are located below the video player. The article title 'Diffusion' is displayed in large blue letters. The subtitle 'Cell Membranes and Diffusion' is displayed in smaller black letters. The video player shows a progress bar and a volume icon. The language selection menu includes options for English, Français, Português, العربية, עברית, Русский, 中文, Italiano, Español, Deutsch, 한국어, and Türkçe. The 'TRANSCRIPT' button is located next to the video player. The 'EMBED', 'SHARE', and 'ADD TO FAVORITES' buttons are located below the video player.

- 1 Instructor's Preparation and Concepts videos
- 2 Video Transcript
- 3 Short Video
- 4 Reading Material
- 5 Embed, Share, Add To Favorites Buttons

JoVE Lab Manual - Helpful Features for Students



The screenshot shows the JoVE Lab Manual interface. At the top, there is a search bar with the text "Search 12,473 video articles...". Below the search bar, there are navigation tabs: "INSTRUCTOR PREP", "CONCEPTS", and "STUDENT PROTOCOL". The main content area features a video player titled "Diffusion and Osmosis". The video player has a yellow background with blue dots representing particles. A transcript overlay is visible on the right side of the video player, showing the text: "Diffusion and osmosis are important concepts that explain how water and other materials that cells need are transported across cell membranes. Let's talk about diffusion first. It is defined as the net movement of particles from an area of high concentration to an area of lower concentration. The graduated change in concentration between the two areas is referred to as the concentration gradient. Although diffusion is not...". Below the video player, there is a text area titled "Cell Membranes and Diffusion" with the following text: "In order to function, cells are required to move materials in and out of their cytoplasm via their cell membranes. These membranes are semipermeable, meaning that certain molecules are allowed to pass through, but not others. This movement of molecules is mediated by the phospholipid bilayer and its embedded proteins, some of which act as transport channels for molecules that otherwise would not be able to pass through the membrane, such as ions and...".

1

Video Transcript

2

Student Protocol Video

3

Animations Illustrating Key Concepts

4

Subtitles And Closed Captions

JoVE Playlists

Streamline Teaching

✓ **Share**

playlists with others, including students, faculty, researchers and lab staff.

✓ **Locate**

the videos saved in a playlist quickly and easily, whenever needed.

Train Lab Members

✓ **Customize**

them to meet specific instruction or lab training needs.

✓ **Engage**

students by creating engaging class assignments or training programs

Accelerate Research



[Playlists · Chemistry](#)

General Chemistry I

[· General Chemistry I](#)[Learn more about JoVE playlists](#)

Matter & Measurement – The Study of Chemistry, Classification, and Properties of Matter Uncertainty & Measurement



Education: Core: Chemistry

The Scientific Method



Education: Core: Chemistry

Classifying Matter by State



Education: Core: Chemistry

Classifying Matter by Composition



Education: Core: Chemistry

Physical and Chemical Properties of Matter



Education: Core: Chemistry

Measurement: Standard Units



Education: Core: Chemistry

Measurement: Derived Units



Education: Core: Chemistry

Uncertainty in Measurement: Accuracy and Precision



Education: Core: Chemistry

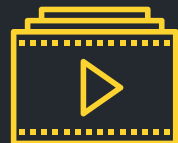
Uncertainty in Measurement: Reading Instruments

"I have made extensive use of the General Chemistry playlist that provides an extensive range of short videos that covers the entire content of the general chemistry course.

So JoVE can meet needs in both the lecture and virtual (or face-to-face) lab environments. "

- **Richard Jarman**
Professor of Chemistry
College of DuPage, USA

Creating a JoVE Playlist



Create your very own JoVE playlists. Here are [instructions](#) and a quick [1 minute video](#) on how to create playlists



[Request a playlist](#) from our Customer Success Team or your Account Manager



[Browse available syllabus-mapped playlists:](#)
JoVE-curated playlists of videos mapped to course syllabi, lab training programs, and more.



Search 12,533 video articles...



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Faculty Resource Center

Videos mapped to your courses and teaching labs

Don't see the course you teach here? Contact our [Customer Success](#) team to request a free syllabus mapping of JoVE videos to your course.

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[Chemistry](#)

[Lab Courses](#)

[Clinical Medicine](#)

[Engineering](#)

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Integration of JoVE videos into online courses and your LMS

[Browse](#)

Guides for teaching remotely with JoVE videos

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RESEARCH

[JoVE Journal](#)

[Methods Collections](#)

[JoVE Encyclopedia of Experiments](#)

[Biopharma](#)

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Faculty Resource Center

Embedding videos into Online Learning Platforms

	 Google Classroom	 brightspace by D2L	
 Microsoft Teams	 Sway	Blackboard®	 canvas
 PowerPoint	 schoolology®		 ULTRA Blackboard Learn

[Back To Faculty Resource Center](#)

Integration of JoVE videos into online courses and your LMS

Need help? Contact our [Customer Success](#) team.



LMS Integration
Overview



Remote Access
Options



Blackboard Integration



Brightspace
integration



Canvas Integration



Moodle Integration



Sakai Integration



Google Classroom
Integration

JoVE Support for Faculty



Curriculum Specialists support your users with:

- Free syllabus mapping to create a custom JoVE Playlist
- Help with embedding videos into online learning platforms
- Faculty-supporting calls and webinars

Join a weekly faculty training session

- Introduces JoVE products
 - Creating a JoVE account for remote access
 - Learn how to embed videos into LMS
 - Create a JoVE Playlist
 - Learn about Publishing in JoVE Journal
-
- Thursdays at 9.30 AM
EST: https://zoom.us/meeting/register/tJ0rd-yoqz8rHNMAAQTroMcTq8GZr9t_HNy9