



# jove

Accelerate Your Science  
Research And Education



Thank you for joining - we will start soon

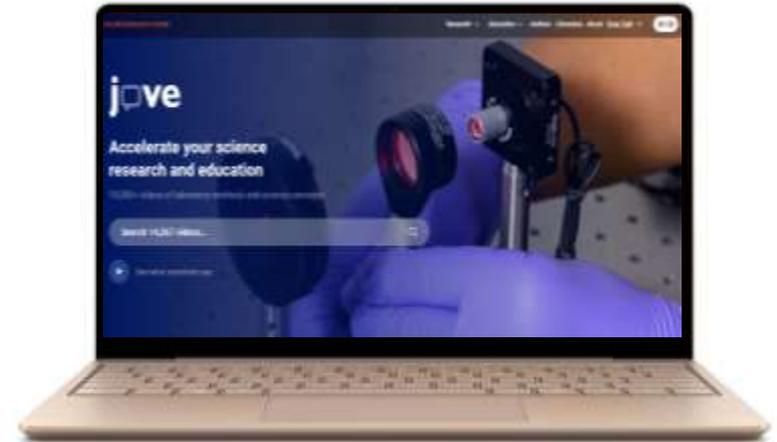
# ABOUT JOVE

JoVE is the world-leading producer and provider of science videos with the mission to improve scientific research and education. We create scientific videos that make **Teaching, Learning, and Practicing Science** more efficient, effective, and engaging.



Eran Zait, MBA  
Associate Director  
Eastern Europe

[Eran.zait@jove.com](mailto:Eran.zait@jove.com)



[www.jove.com](http://www.jove.com)

# Quality In-house Video Production



**300+**

Employees in 4 regional offices. Most our people are dedicated to video production



**200+**

filming locations within 35 countries and Antarctica



**1,600+**

laboratories worldwide



**150,000+**

hours of content

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

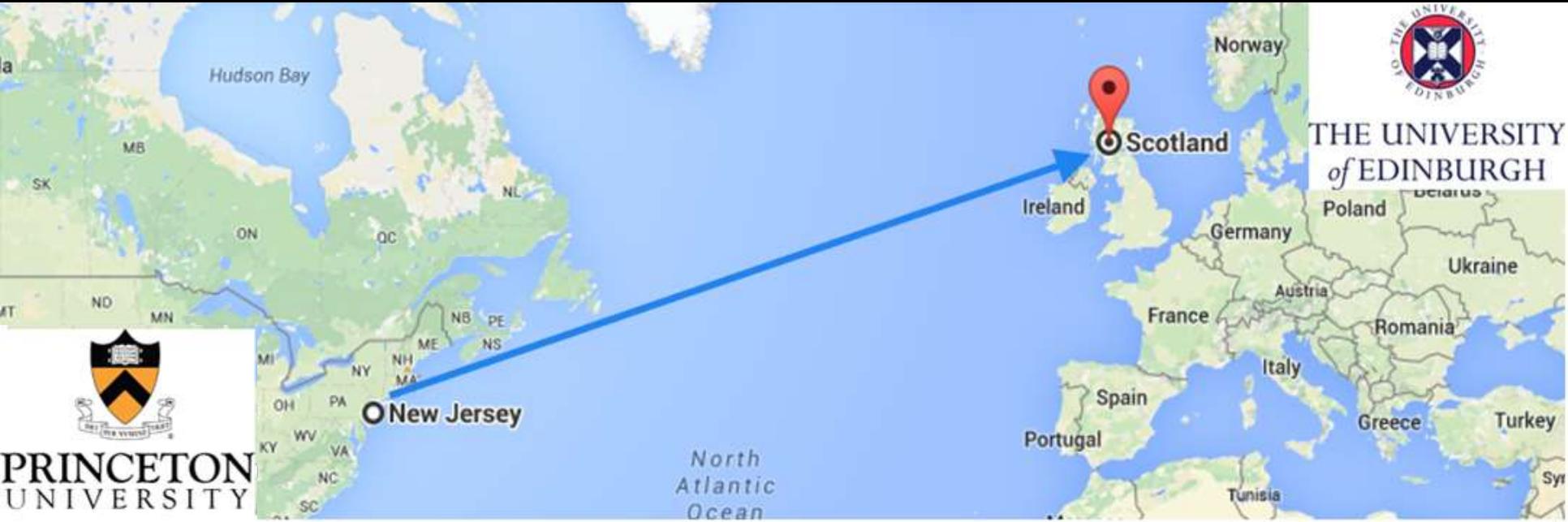
As a young researcher,  
Moshe was unable to  
complete a crucial  
experiment using text  
protocols.

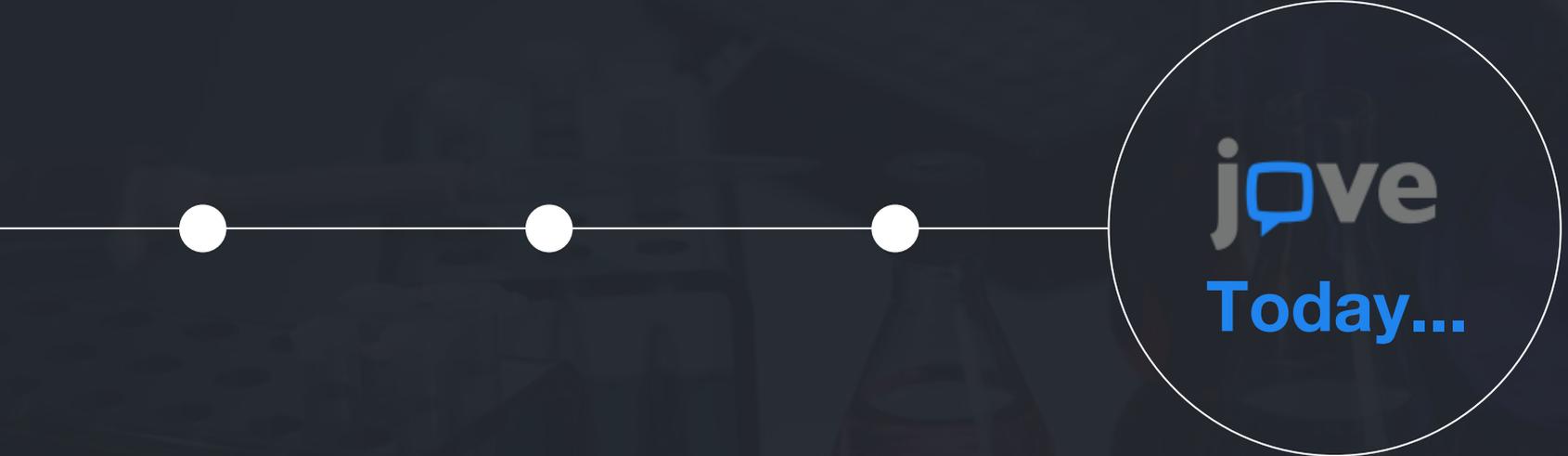


# How Much Did It Cost To Reproduce An Experiment?

**2 months** of travel and reagents

**\$10,000** for 1 experiment





jove  
Today...

## Video Library

- **14,000+** videos in a growing library
- **1,200+** new videos published per year: Research & Education videos
- **1,200+** subscribers world wide
- **Millions** of users in almost every country
- **Clear production pipeline** for the upcoming years - more content is coming soon

## Video Features

- **24/7** access worldwide (IP & Domain)
  - \* In campus
  - \* Hybrid / remote teaching
- **10+** languages in subtitles and voice-overs to support international students and students with disabilities
- **10,000+** downloadable protocols
- **Embedding** options to Moodle and any other LMS, including PowerPoint

# JoVE Supports an Array of Instruction & Research Needs



## Education

- Curriculum focused multimedia
- Embeds easily into online courses
- Improves STEM teaching and learning outcomes, engagement and retention



## Training

- Efficient training tool for onboarding new lab members
- Provides refreshers for seasoned scientists
- Increases training success rates while saving time, money and resources



## Research

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

Faculty Area

Peer-Reviewed, PubMed indexed video articles with a text protocol and a materials list

Education videos for undergraduate courses: introductory courses, theory and lab courses

Faculty Resource Center

Research

Education

Author

Librarians

Librarians Area

jove

Accelerate your science research and education

10,000+ videos of laboratory methods and science concepts

Search 14,170 videos...



See what scientists say

Over 14,000 video articles



Research ▾

Education ▾

At

Behavior

Biochemistry

Bioengineering

Biology

Cancer Research

Chemistry

Developmental Biology

Engineering

Environment

Genetics

Immunology and Infection

Medicine

Neuroscience

Products

JoVE Journal

JoVE Encyclopedia of Experiments New

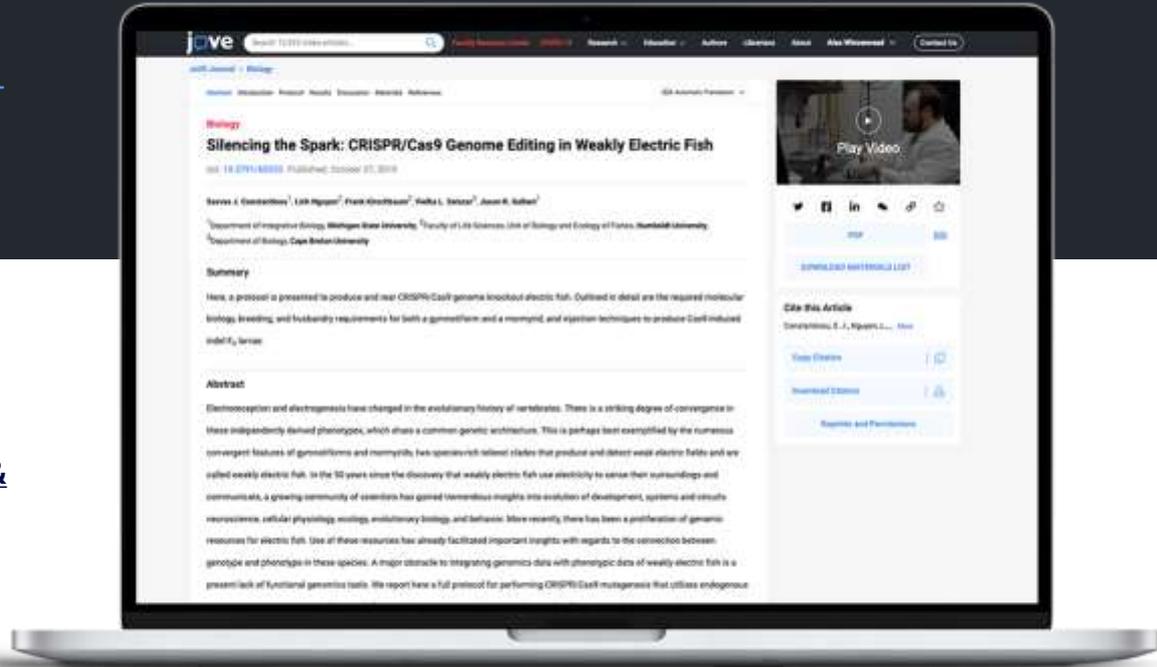
# JoVE Journal

The world's first peer-reviewed scientific video journal

Indexed in PubMed, Web of Science, SciFinder, Scopus and SCI Expanded

Scientific research published in video form alongside text protocols

- [Behavior](#)
- [Biochemistry](#)
- [Bioengineering](#)
- [Biology](#)
- [Cancer Research](#)
- [Chemistry](#)
- [Developmental Biology](#)
- [Engineering](#)
- [Environment](#)
- [Genetics](#)
- [Immunology & Infection](#)
- [Medicine](#)
- [Neuroscience](#)



# Nobel Laureate JoVE Authors



## Jack Szostak



**2009** Nobel Prize Winner



Physiology or Medicine

[Watch JoVE Article](#)



## Frances Arnold



**2018** Nobel Prize Winner



Chemistry

[Watch JoVE Article](#)



## Robert H. Grubbs



**2005** Nobel Prize Winner



Chemistry

[Watch JoVE Article](#)



## Oliver Smithies



**2007** Nobel Prize Winner



Physiology or Medicine

[Watch JoVE Article](#)



## John B. Gurdon



**2012** Nobel Prize Winner



Physiology or Medicine

[Watch JoVE Article](#)



## Ben Feringa



**2016** Nobel Prize Winner



Chemistry

[Watch JoVE Article](#)

# Publications from Czech Republic & Slovakia



## [Autonomous and Rechargeable Microneurostimulator Endoscopically Implantable into the Submucosa](#)

Charles University, University Hospital Královské Vinohrady,  
Czech Technical University (Neuroscience section)



## [Bioindication Testing of Stream Environment Suitability for Young Freshwater Pearl Mussels Using In Situ Exposure Methods](#)

Czech University of Life Sciences (Environment Journal section)



## [Methods of Ex Situ and In Situ Investigations of Structural Transformations: The Case of Crystallization of Metallic Glasses](#)

Slovak University of Technology in Bratislava, Slovak Academy of Sciences,  
Comenius University (Engineering Journal section)

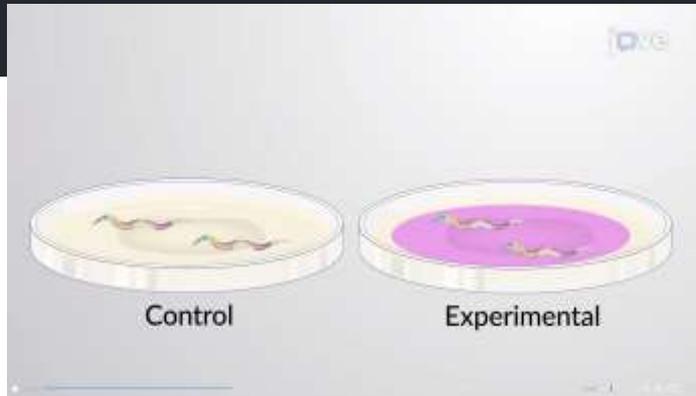


# JoVE Encyclopedia of Experiments

The first-of-their-kind online video encyclopedias of advanced research experiments.

## Biology

Systematically covers methods relevant to model organisms in biomedical research



**Detailed animations explain and help visualize the theory behind an experiment**

## Cancer Research

Offers methods relating to the detection, treatment and prevention of various types of cancer



**Step-by-step video demonstrations bring the protocol to life**



Search ▾ **Education** ▾ Authors

Subject →

- Biology
- Chemistry
- Environmental Sciences
- Physics
- Engineering
- Psychology
- Clinical Skills

Product →

- JoVE Core
- JoVE Science Education
- JoVE Lab Manual

Videos Mapped to Your Course

# JoVE Core

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

**1,200+** lessons bring key introductory concepts to life through ...

[Biology](#)

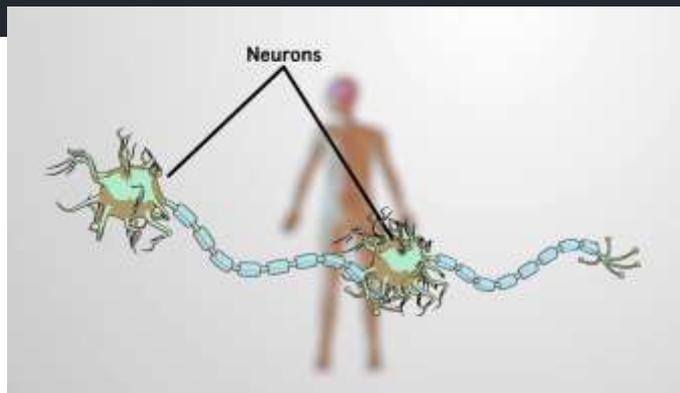
[Chemistry](#)

[Molecular Biology](#)

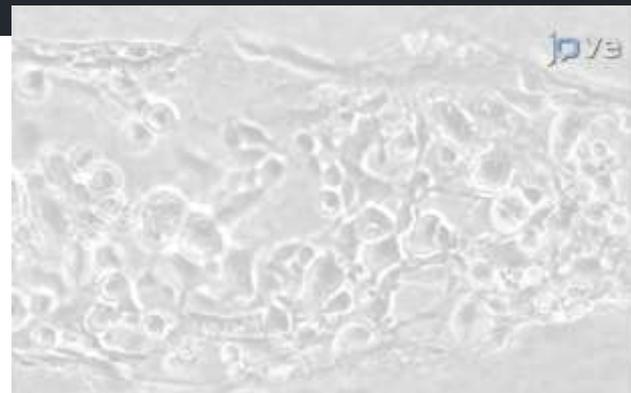
[Organic Chemistry](#)

[Social Psychology](#)

[Statistics](#)



High-impact Animations



Scientist-in-Action Videos of Experiments Conducted In Laboratory Settings

**In production:** Nursing, Physics, Cell Biology and more

# JoVE Lab Manual

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

Biology

Chemistry

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



**Instructor Preparation**



**Concepts**



**Student Protocol**

**In production:** Physics

# 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 ]

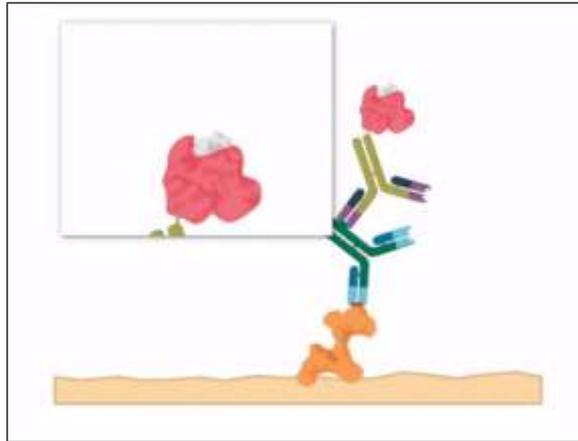
[Clinical Skills](#) [ 6 collections ]

[Engineering](#) [ 8 collections ]

[Environmental Sciences](#) [ 3 collections ]

[Physics](#) [ 2 collections ]

[Psychology](#) [ 7 collections ]



Basic Biology - The  
ELISA Method



Advanced Biology - An  
Introduction to Neuroanatomy



## Case Studies

# Immediately Enhance STEM Understanding

A study conducted at DeSales University and Clemson University with undergraduate students shows:

## 2X BETTER

Students who watched a JoVE video before a lab class performed up to **two times better** than those who read only traditional text handouts

## 100% HIGHER

JoVE video watchers **scored 100% higher** on the pre-lab test and 76% higher on the post-lab test

## EVEN 5 MINUTES MATTER

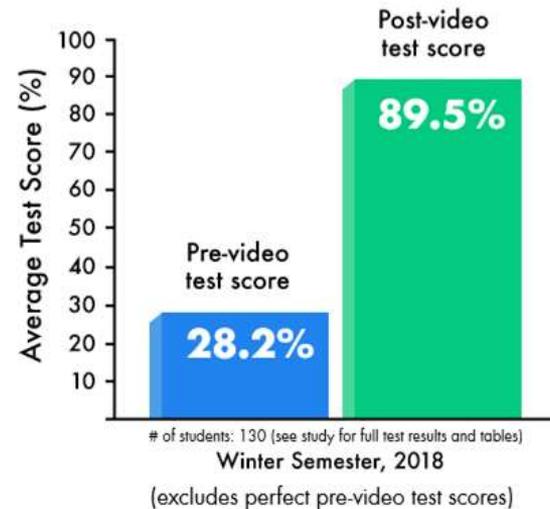
Watching a video for as little as 5 minutes had a **significant and lasting impact**

# Improve Learning in Lecture and in the Laboratory

A study conducted at the University of California, Los Angeles shows that:

- 96%** 96% of students reported better concept comprehension
- 50%** Student engagement and learning outcomes improved by over 50%
-  Facilitate success in flipped, in-person, hybrid, and virtual classrooms
-  Enable sequential learning without using in-class time

Ramachandran, R., Sparck, M., & Levis-Fitzgerald, M. (2019). Investigating the Effectiveness of Using Application-Based Science Education Videos in a General Chemistry Lecture Course. *Journal of Chemical Education* 96(3), 479-485.



Partnering With



# JoVE Solutions Overview



Increase faculty members' productivity and efficiency



Meet your patrons' needs across all levels



Support your institution's strategic goals



Improve student learning outcomes



Advance scientific knowledge transfer and reproducibility

**JoVE Unlimited**

**JoVE Research**

**JoVE Education**

JoVE Biological Sciences

JoVE Biomedical Sciences & Clinical Medicine

JoVE Brain & Behaviour

JoVE Chemistry & Environment

JoVE Engineering & Physics

<https://www.jove.com/librarians/subscriptions>

# Accessing JoVE Videos

## On Campus:

- ✓ IP Recognition
- ✓ Embedded in your LMS (learning management system)

## Off Campus:

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



# JoVE's Curriculum Specialist Team



From all over the world,  
helping users globally



Cover a wide variety of  
areas of expertise



Helps you get value from  
your JoVE subscription

- **Full JoVE walk-through** for faculty and assistance with troubleshooting
- **Free syllabus mapping** for faculty and training program mapping for lab managers
- **Seamless integration** with online learning platforms
- **Subscription-supporting collateral** at no cost to the library
- **Faculty-supporting webinars** with a Curriculum Specialist

# Syllabus and Training Program Mapping

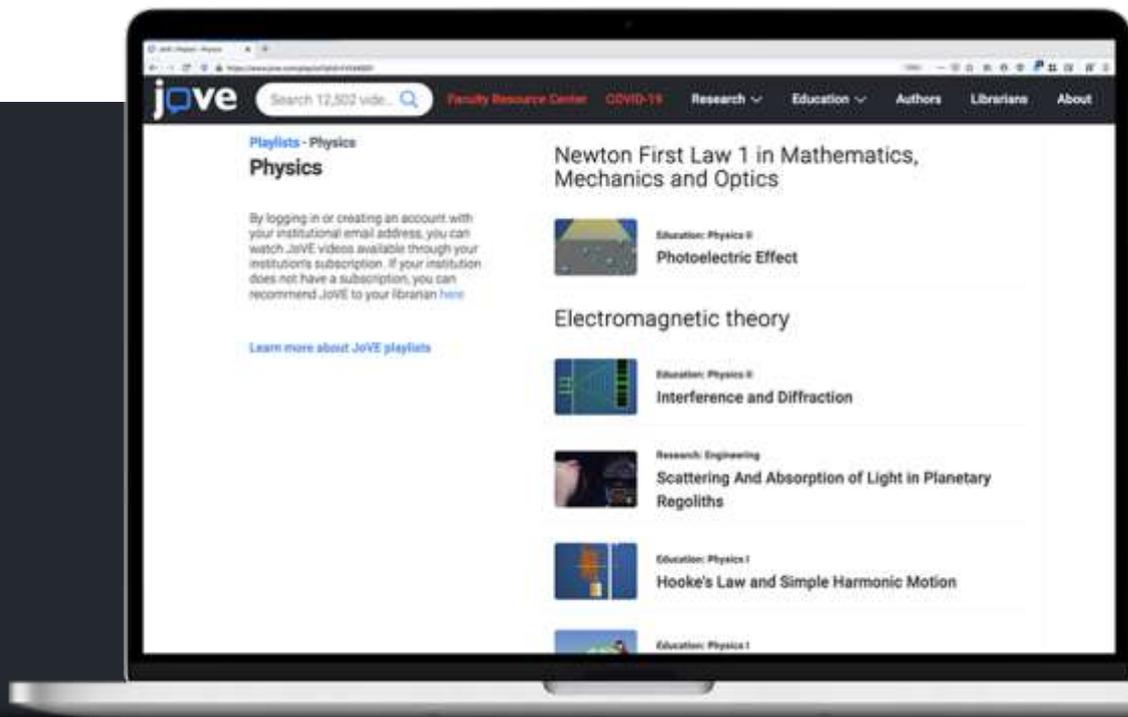
Save time on creating class curricula,  
building lesson plans or establishing  
laboratory training programs



JoVE's subject matter experts will map  
best fit content to your syllabus or  
training program

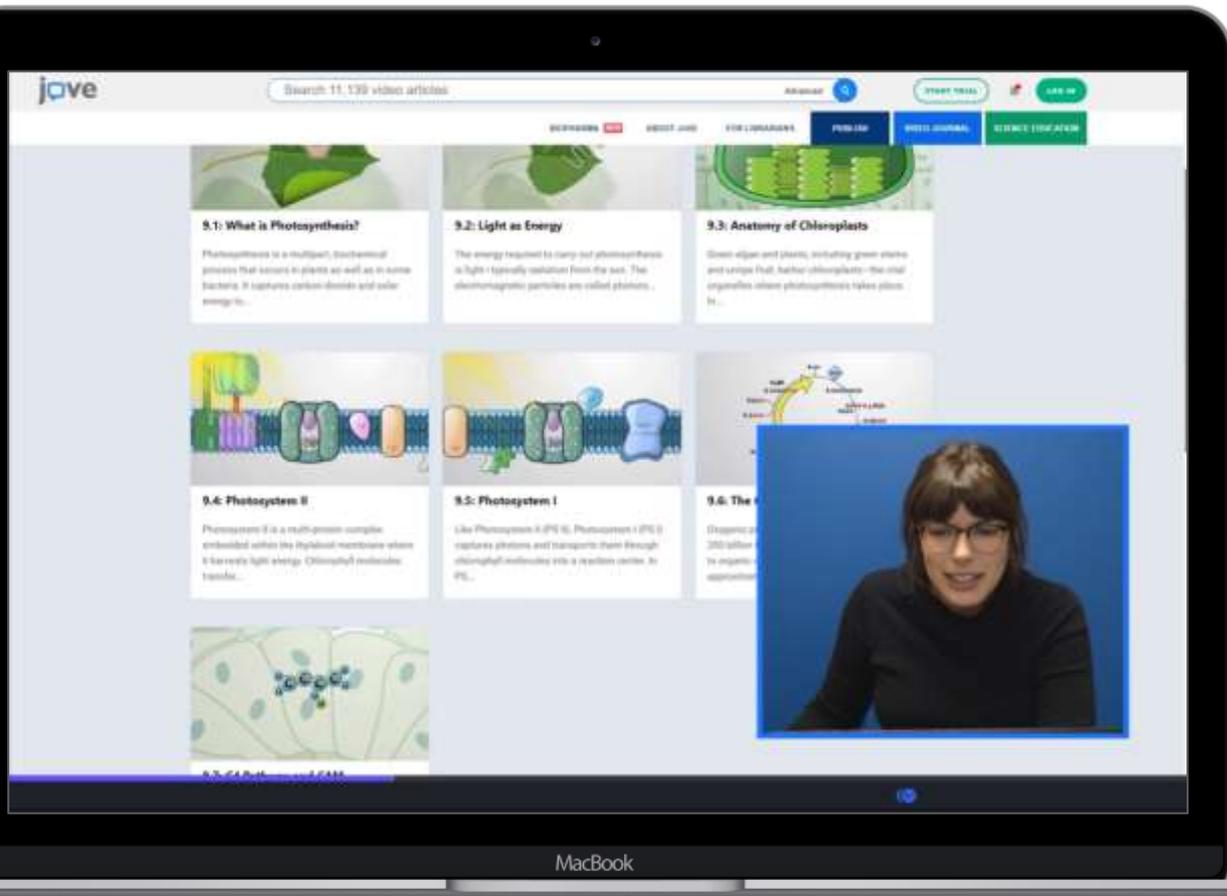


Receive a clickable list of suggestions for  
content that best support your needs



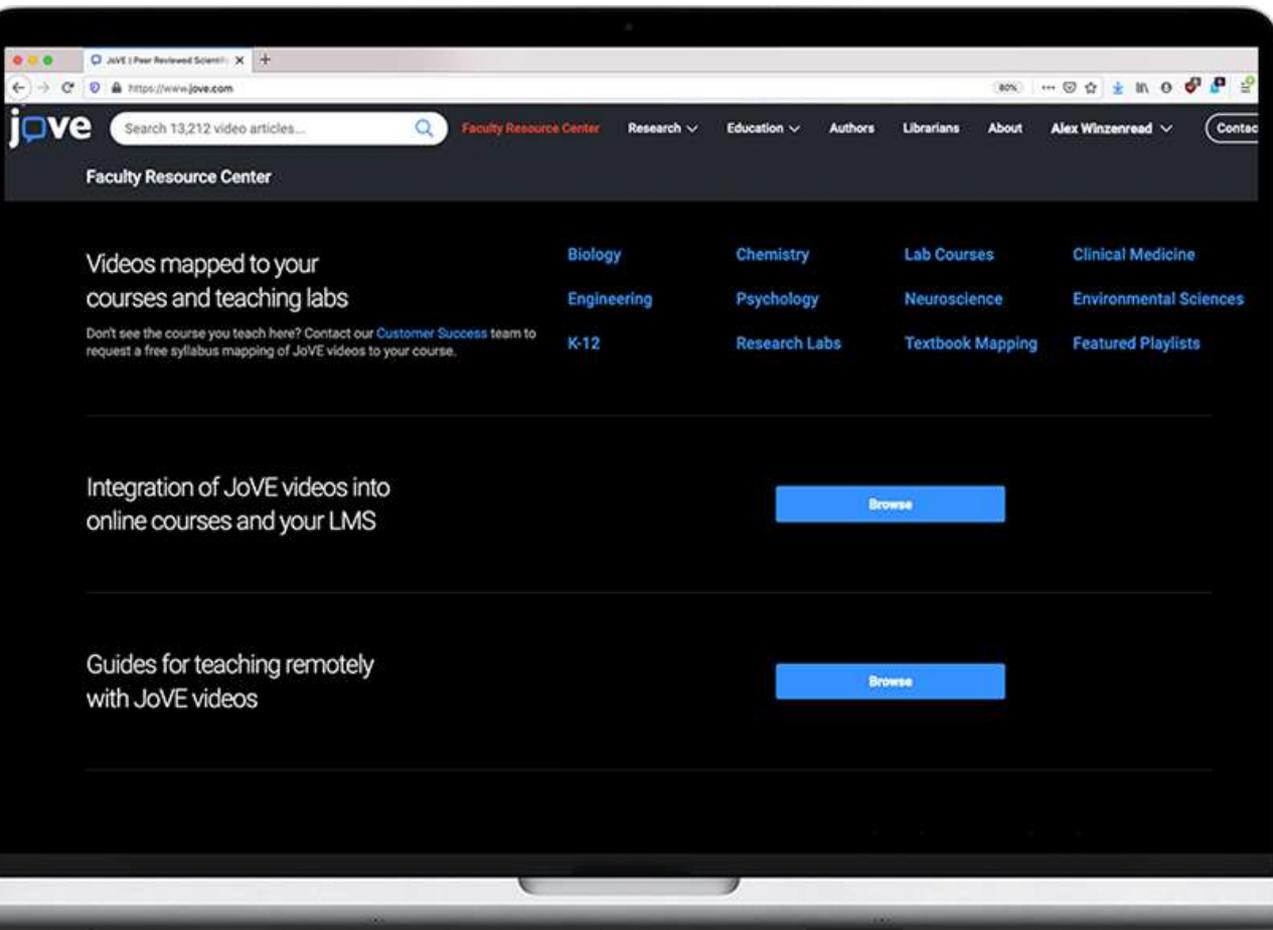
# Seamless Integration with Online Learning Platforms

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

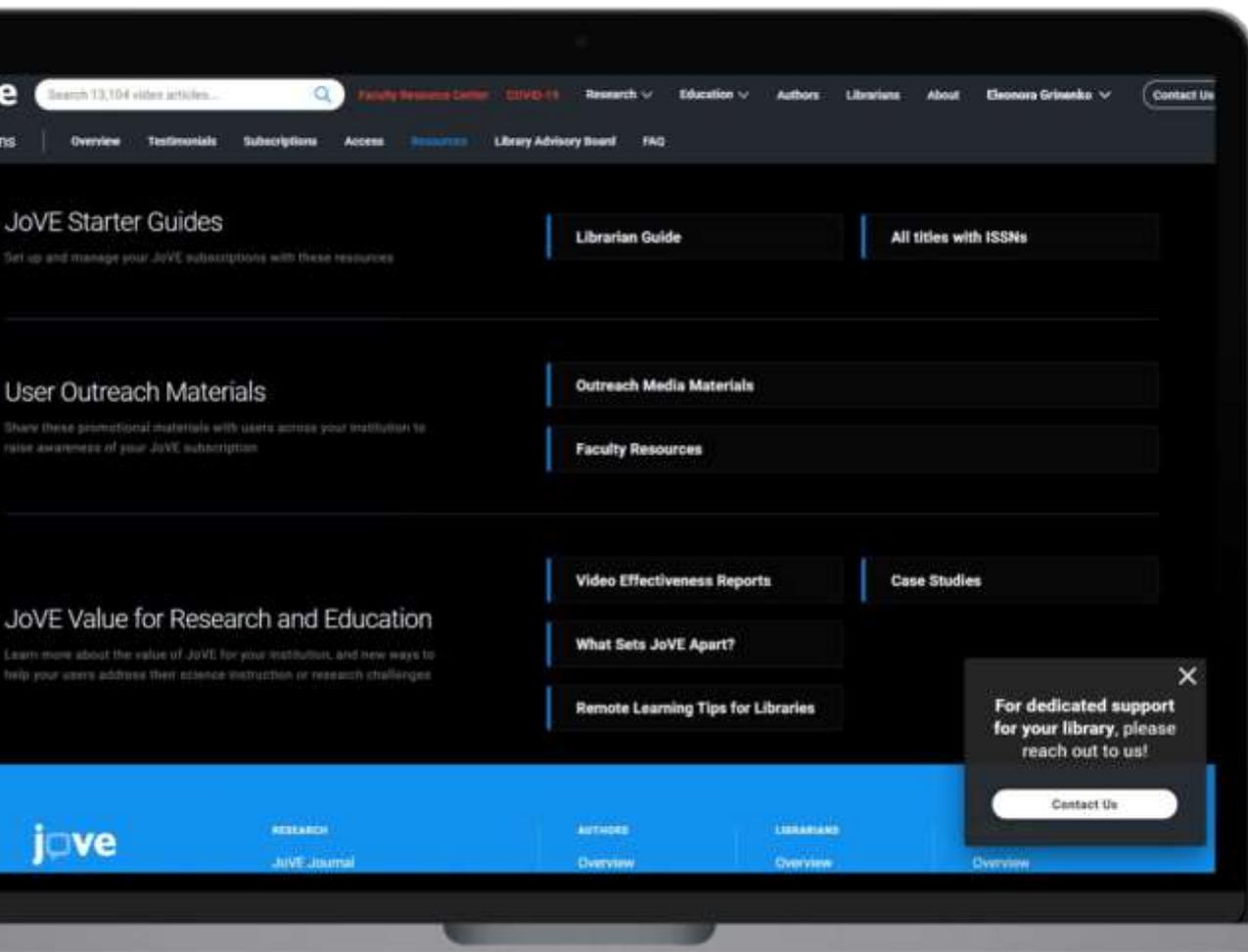


# Faculty Supporting Webinars

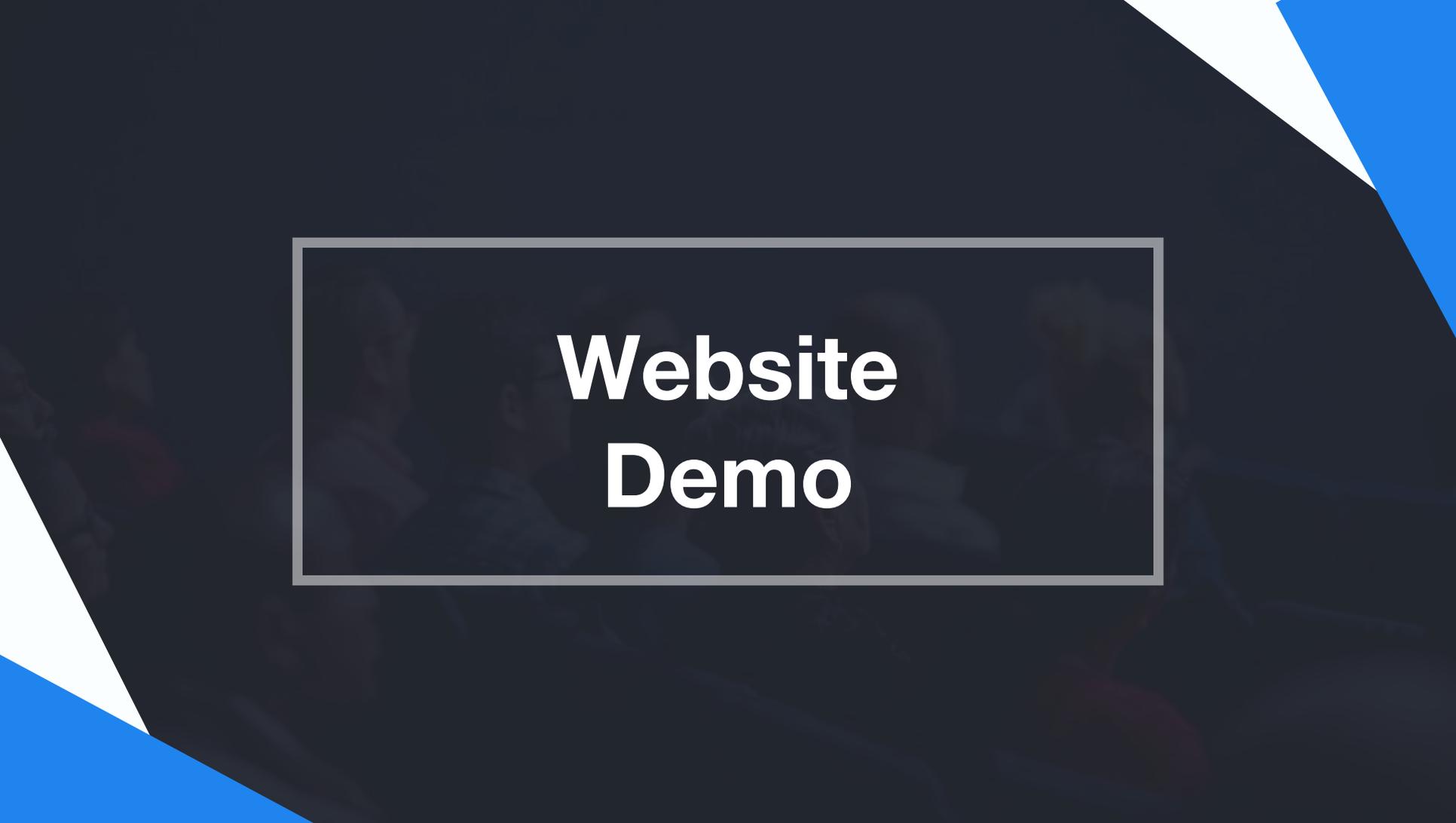
JoVE Curriculum Specialists help instructors get started with JoVE and incorporate videos into their courses



# Faculty Resource Center



# Librarians Resource Center



# Website Demo



## Dotazy?

[jakub.petrik@aip.cz](mailto:jakub.petrik@aip.cz)

[www.aip.cz](http://www.aip.cz)

## Otázky?

[miriam.suchonova@aib.sk](mailto:miriam.suchonova@aib.sk)

[www.aib.sk](http://www.aib.sk)