

## 1 THOUSANDS OF VIDEOS across a multitude of disciplines

The JoVE library spans 17,000+ videos across a wide variety of STEM subjects — from biology and chemistry to environmental science, engineering, clinical science, psychology and more.

**17,000+**  
videos

**140,000+**  
hours of content

**1,200+**  
new videos per year

## 2 Watch experts do REAL SCIENCE in real laboratories

JoVE videos present real science and live demonstrations of actual lab experiments, done by experts. This enables students to better understand how to apply concepts in the real world, acquire an in-depth understanding of complex science topics and learn how real lab equipment is used to perform key techniques. Unlike gamified or simulated lab experiments, exposure to real-world science better prepares science major and non-major students for hands-on lab work.

## 3 Solutions for scientists and students at ALL LEVELS

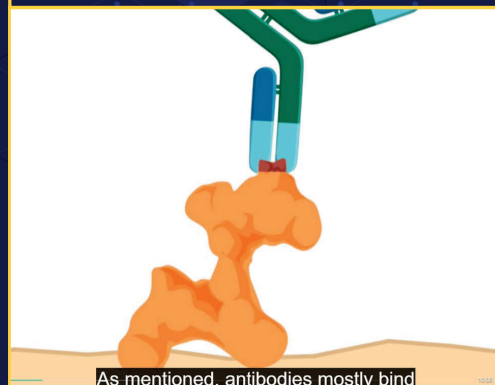
JoVE videos support scientific research and education at all levels, covering everything from the fundamentals to advanced methods and concepts in science, engineering and medicine. JoVE videos are used not only in the classroom but also for lab applications such as training and research.



*JoVE proved to be an excellent resource to showcase real scientists using real methods in a laboratory...It also offers a great way to introduce real-life applications of methods that would at times be too expensive or impractical in a teaching lab, which generally has very limited time available.*

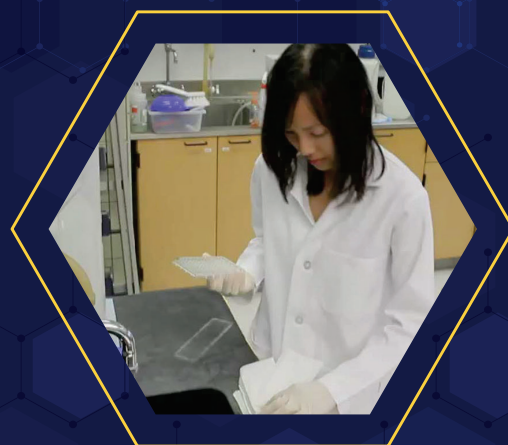
— Dr. Kristian Schlick  
Instructor, Department of Chemistry & Biochemistry  
Montana State University, USA

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

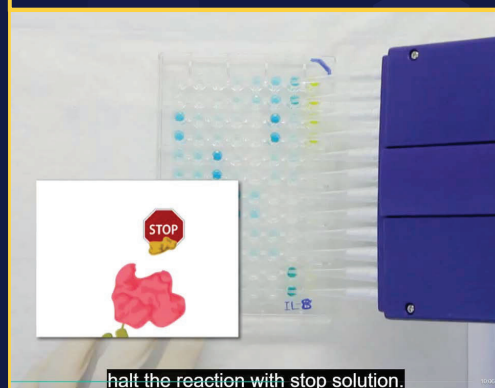


As mentioned, antibodies mostly bind

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



Demonstrations and animations together illustrate **higher-level processes** as well as those **not visible to the human eye**



halt the reaction with stop solution.

The images are taken from one of the most-viewed JoVE videos, The ELISA Method

## Additional benefits of using JoVE:

### Ease of Use

JoVE is **available 24/7, worldwide**. With subtitles in **10+ languages** and **downloadable text protocols**, JoVE videos are perfect for **diverse groups of students**, including those who require a different pace of instruction, and those with hearing or sight impairments.

**No particular technical specification is needed** to watch a JoVE video, navigation features are easy to use and unlimited playbacks are available on any device.

### Increased Student Engagement

High-impact animations and easy-to-understand video demonstrations of experiments illustrate key concepts and lab techniques; improving learning outcomes and preparing students for independent research, internships, and jobs.

Educators can increase student engagement through several tools including quizzes, interactive video mode, featured playlists, and more.

### Effective Tool On-campus And Remotely

JoVE videos can facilitate success in flipped, in-person, hybrid, and virtual classrooms such as online lab courses, helping campuses prepare for any instruction model.

JoVE content can also be seamlessly integrated with online learning platforms such as Zoom, Microsoft Teams, Google Classroom, as well as learning management systems.

All users across an institution can have unlimited and **simultaneous usage of all subscribed JoVE content**. User access automatically granted based on IP or institutional email address eliminates the hassle of setting up licenses for each user.

## TOPICS COVERED BY JoVE EDUCATION PRODUCTS

SCIENCE EDUCATION	<b>ADVANCED BIOLOGY</b>	<b>BASIC BIOLOGY</b>	<b>CHEMISTRY</b>	<b>CLINICAL SKILLS</b>	
	Neuroscience   Developmental Biology   Genetics Cell Biology   Immunology Microbiology	General Laboratory Techniques   Basic Methods in Cellular and Molecular Biology   Biology I: yeast, Drosophila and C. elegans   Biology II: Mouse, Zebrafish, and Chick   Lab Animal Research   Lab Safety	General Chemistry   Organic Chemistry   Analytical Chemistry   Biochemistry   Organic Chemistry II   Inorganic Chemistry	Physical Examinations I & II & III   Emergency Medicine and Critical Care   Nursing Skills   Coronavirus COVID-19 Procedures   Physical Examinations IV	
	<b>ENGINEERING</b>	<b>ENVIRONMENTAL SCIENCES</b>	<b>PHYSICS</b>	<b>PSYCHOLOGY</b>	
	Bioengineering   Electrical Mechanical   Mechanical Engineering   Chemical Engineering   Structural Engineering   Biomedical Engineering   Materials Engineering   Aeronautical Engineering	Environmental Science   Environmental Microbiology Earth Science	Physics I & Physics II	Behavioral Science   Experimental Psychology   Cognitive Psychology   Developmental Psychology   Neuropsychology   Sensation and Perception   Social Psychology	
	LAB MANUAL	CORE	JoVE BOOK	JoVE QUIZ	<b>BIOLOGY CHEMISTRY</b>
					<b>BIOLOGY CHEMISTRY MOLECULAR BIOLOGY SOCIAL PSYCHOLOGY ORGANIC CHEMISTRY STATISTICS PHYSICS CELL BIOLOGY NURSING</b>
					<b>CHEMISTRY</b>
					<ul style="list-style-type: none"> <li>The Chemical Context of Life</li> <li>Biochemistry of the Cell</li> <li>Cell Chemistry and Bioenergetics</li> <li>Science Education: Physics II</li> </ul>