

## Access Technical Knowledge On Demand

With the JoVE library of more than 13,000 videos across multiple disciplines in science, engineering and medicine, your lab can access new protocols, gold-standard techniques and cutting-edge research anywhere, anytime.

## Gain a Competitive Advantage & Save Time, Money and Resources

JoVE enables researchers to compare how fellow scientists gather similar data and develop their methods or optimize existing protocols. It also helps increase productivity, allowing researchers to avoid wasting months creating an existing protocol.

## Accelerate Your Interdisciplinary Research

JoVE simplifies and streamlines the typically complex and time-consuming process of cross-disciplinary learning. Techniques in unfamiliar disciplines can be rapidly learned without having to contact the labs that devised these methodologies, and with no travel or additional expenditure required.

## Case Study: Saving time & money

Researchers at the Calos Lab at Stanford University needed to learn a new technique involving the intra-arterial injection of stem cells in mice.



They considered bringing in an expert from Europe to show them the technique in person, but they needed a less expensive training method that wouldn't slow down research.



The exact protocol was available as a peer-reviewed JoVE video: a cheaper and more efficient tool to visualize the same technique.

After using the JoVE video to learn the method, and with the help of an internal collaborator:

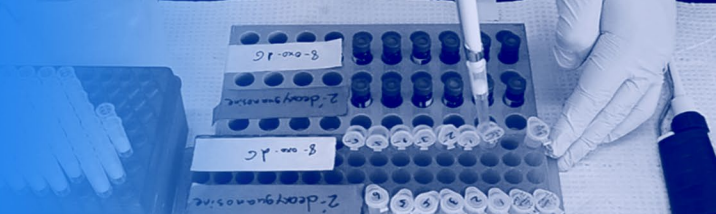
- The Calos Lab advanced their research by an estimated 6 months.
- Their research generated preliminary results that supported a grant application.
- They saved on the costs associated with bringing in an expert from Europe.

“Methods are complex and can only partially be described in words. Seeing the method performed immediately provides a wealth of information to the viewer.”

— Dr. Michele Calos,  
Professor of Genetics,  
Stanford University

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## Standardize Training

Generating Standard Operating Procedures (SOPs) using JoVE videos enables all new lab members to receive identical training and can help increase research reproducibility within the lab.

## Enable Faster Onboarding

Expedite the continuous training process of new lab members, including graduate students, summer interns and postdocs, and preserve knowledge in the lab with JoVE videos, enabling lab members to successfully replicate projects from years past.

## Streamline Lab Training

Reduce or eliminate the need for in-person training or teaching sessions with JoVE videos and facilitate more effective technique transfer than traditional text articles, accelerating scientific progress and subsequent technique development.

## Case Study: Streamlining Lab Training

When researchers at the Vale Lab at the University of Edinburgh began working with *Drosophila melanogaster*, they had to learn an array of new techniques.



Text-only publications lacked the level of detail required to master the protocol quickly and troubleshoot problems.



To learn new methods efficiently, researchers at the lab began referring to JoVE videos and their associated text protocols. They also published JoVE video articles of their own.

JoVE videos cut the training time for a protocol by as much as 50 percent, according to the lab's primary investigator Dr. Pedro Vale.

The process of recruiting and training undergraduate students for lab projects was streamlined by providing project summaries with links to JoVE videos.

“JoVE videos are great training tools and serve as visual standard operating procedures in my lab. JoVE protocols give you extensive details on even what gauge needle was used. They are easy to reproduce because you have all the information, down to reagents.”

— Dr. Raja Sriperumbudur,  
Director of In-vivo Resource Center,  
Biogen, USA

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