



User Guide

JoVE Journal & Science Education

October 2016

What is JoVE?

[JoVE](#) is the world's first and only peer reviewed and PubMed Indexed scientific video journal.

JoVE has published over 5,000 video articles from institutions including Harvard, Stanford, MIT, and the NIH.

These video articles present cutting-edge research in over a dozen fields of scientific study and are viewed by millions of users in over 900 institutions around the globe.



JoVE's Solutions



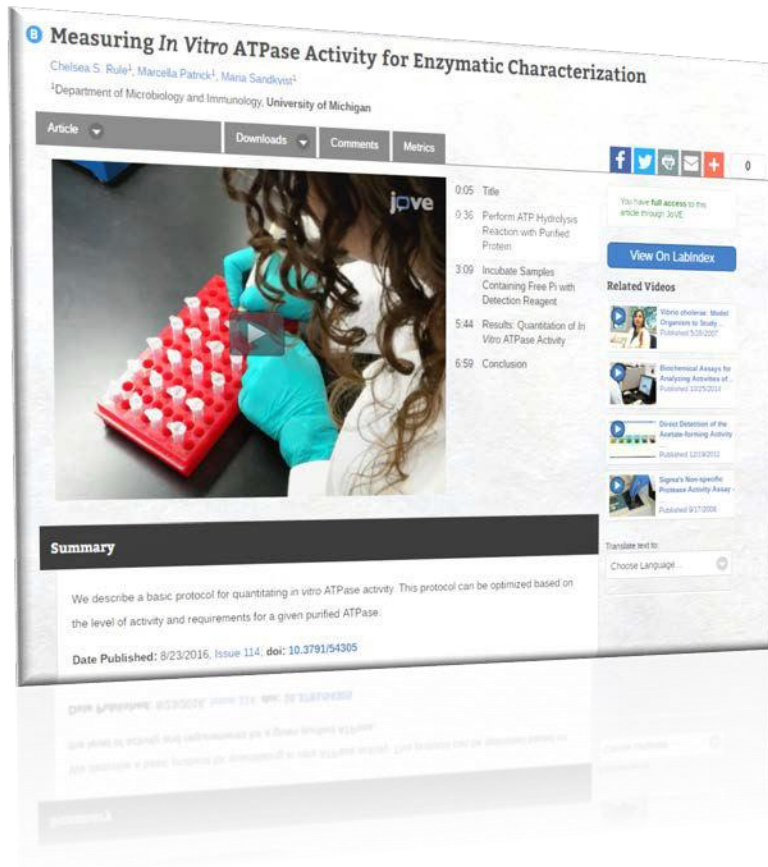
JoVE Journal

The first scientific video journal dedicated to help scientists advance their research by increasing productivity, efficiency, and reproducibility.

Science Education

An innovative video database that is dedicated to teaching laboratory fundamentals through simple, easy-to-understand video demonstrations.

JoVE Journal



- Peer-reviewed by our prestigious editorial board
- Indexed in PubMed, Medline, SciFinder, etc.
- Over 5000 articles – 90 new video articles published each month
- Customized subscription model by section (13 sections)
- Over 16,000 published authors from top institutions worldwide

Journal Sections



Biology



Immunology & Infection



Chemistry



Developmental Biology



Behavior



Biochemistry



Cancer Research



Medicine



Neuroscience



Bioengineering



Engineering

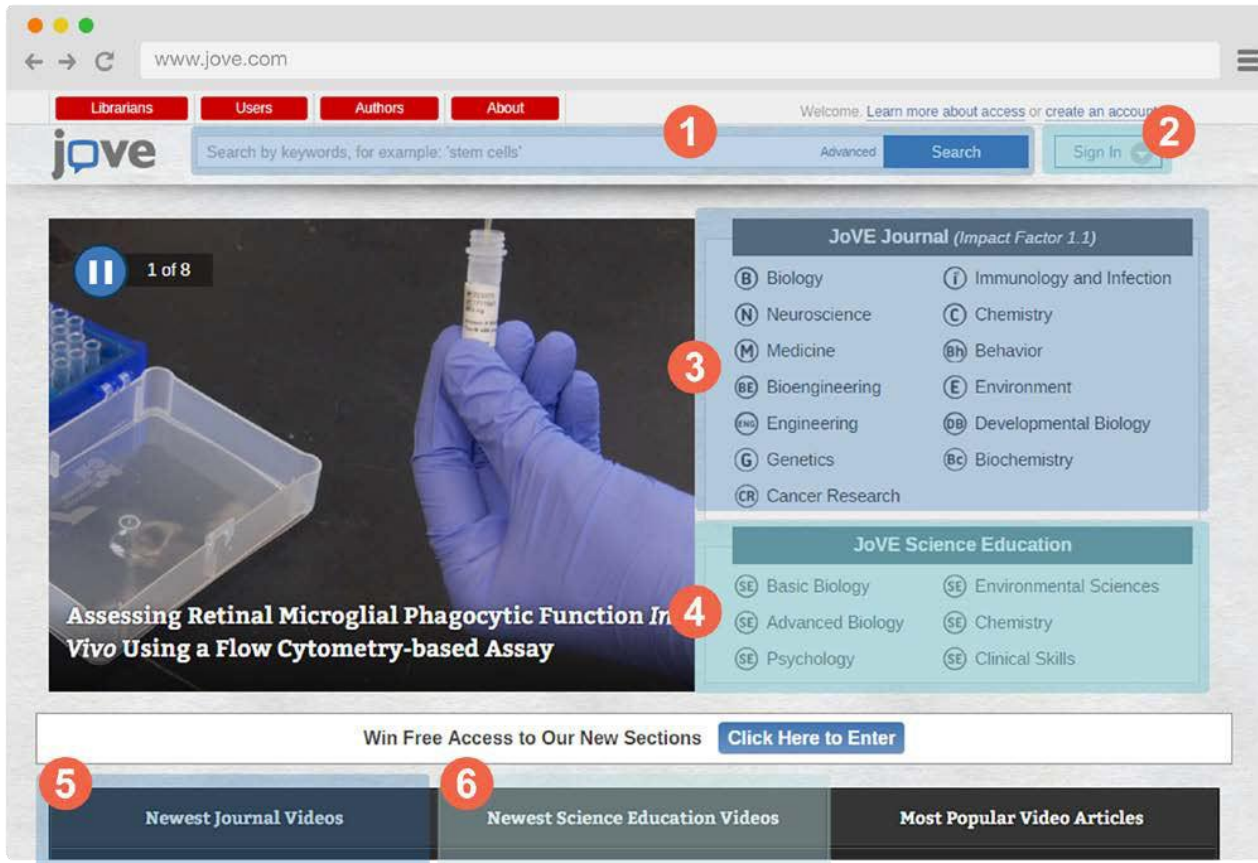


Environment



Genetics

JoVE Home Page & Navigation



1 Keyword Search

2 Sign In or Create An Account

3 JoVE Journal

4 Science Education

5 Newest Journal Videos

6 Recent Science Education Video

Journal Search & Results

The screenshot shows the JoVE website search results for the query 'stem cells'. The interface includes a navigation bar with links for Librarians, Users, Authors, and About. A search bar at the top contains the text 'stem cells' and a 'Search' button. Below the search bar, a 'Refine your search:' section on the left offers filters for 'Containing Text', 'Filter by author or institution', and 'Filter by publication date'. The main results area displays a list of video articles. The first article is titled 'High Efficiency Differentiation of Human Pluripotent Stem Cells to Cardiomyocytes and Characterization by Flow Cytometry' by Subarna Bhattacharya et al. The second article is titled 'Isolation and Expansion of Mesenchymal Stem/Stromal Cells Derived from Human Placenta Tissue' by Rebecca A. Pelekanos et al. Numbered callouts (1-5) highlight specific features: 1 points to the '4149 Video Articles' result count; 2 points to the pagination controls; 3 points to the 'Refine your search:' section; 4 points to the search query 'stem cells' in the search bar; and 5 points to the first search result.

1 Number Of Produced Video

2 Page Buttons (Current And All)

3 Advanced Search Options

4 Search Query

5 Search Results By Order Of Relevance

Filter Search Result:

- Filter By Section
- Filter By Publish Date
- Filter By Authors or Institutions
- Search For Videos By Keywords

Journal Article Page (top of article)

The screenshot shows the top of a JoVE article page. At the top is a navigation bar with links for Librarians, Users, Authors, and About. Below this is a search bar with the text "Search by keywords, for example: 'stem cells'". The article title is "Eye-Tracking Control to Assess Cognitive Functions in Patients with Amyotrophic Lateral Sclerosis". The authors are Jürgen Keller¹, Martin Gorges¹, Helena E. A. Aho-Özhan¹, Ingo Utner¹, Erich Schneider², Jan Kassubek¹, Elmar H. Pinkhardt¹, Albert C. Ludolph¹, and Dorothée Lulé¹. The affiliations are ¹Department of Neurology, Ulm University, and ²Institute of Medical Technology, Brandenburg University of Technology Cottbus-Senftenberg. The article has 0 comments and 0 metrics. A video player is embedded on the left, showing a woman being fitted with an eye-tracking device. A table of contents is on the right, listing sections like Title, Setup of Testing Paradigm, Eye-tracker Set-up & Calibration, Eye-tracking Experiment: CPM & D2 Test, Results: Development of a Reliable Oculomotor Based Neuropsychological Assessment for ALS Patients, and Conclusion. A "Related Videos" section is also present, listing other articles.

1 Clicking On The Name Displays The Author's Publication History

2 Click Here To Jump To Different Sections Of The Article

3 Download The Article Or Materials List As PDF

4 Article Chapter Selection

5 List Of Related Videos

Journal Article Page (scroll down page)

The screenshot shows a web browser at www.jove.com. The page layout includes a top navigation bar with links for Librarians, Users, Authors, and About. Below this is a search bar and a 'Sign In' button. The main content area is divided into two columns. The left column contains the article text, starting with a 'Protocol' section header. The right column features a video player with a 'Choose Language...' dropdown and a video thumbnail showing a person in a lab coat working with equipment. A table of contents is visible below the video player, listing sections like 'Title', 'Embryo Collection', 'Confocal Imaging', 'Image Analysis and Data Pre-processing', 'Results: Lineage Specification Analysis in Mouse Preimplantation Embryos', and 'Conclusion'.

1

2

1 Scroll Down To Read The Full Length Article Text

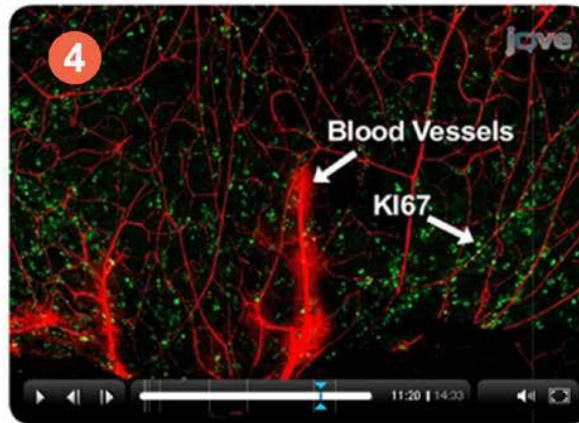
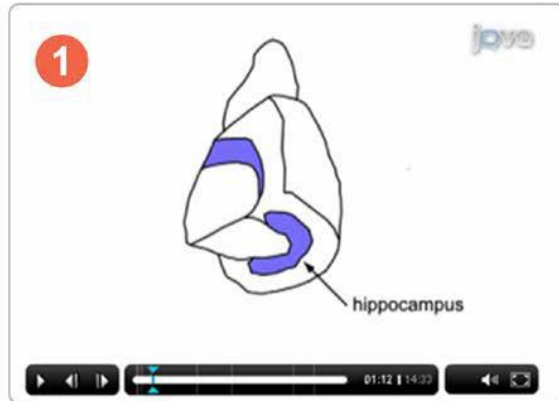
2 Article Video Sticks To The Right Of The Text For Easy Access

The text article is made up of various sections including:

- Cite this Article
- Abstract
- Introduction
- Protocol
- Results
- Discussion
- Materials List
- References

* You can download a PDF of the text article

Journal Article Structure



1 Abstract

2 Introduction

3 Protocol

4 Results & Discussion

Journal Publication Process



Journal Benefits

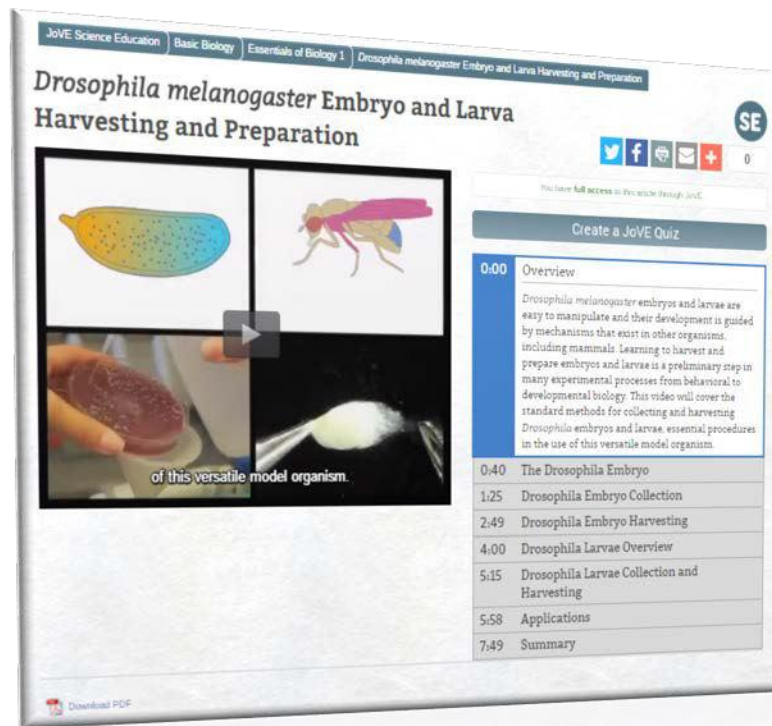
- Increase **research productivity** and **reproducibility**
- **Quickly onboard** new lab trainees
- **Save money and resources** for labs
- Learn **gold-standard and newest methods**

“Methods are complex and can only partially be described in words. Seeing the method performed immediately provides a wealth of information to the viewer. This information conveys a realistic idea of how the method is done, what is needed to do it, and helps the viewer analyze how they should proceed.”



*Dr. Michele Calos,
Stanford University*

Science Education (SE)



- Laboratory Fundamentals
- Simple, Easy to Understand Video Demonstrations
- Engaging Animations
- 300 professionally produced core videos with over 40 hours of tutorial content
- Video content maps directly to classes
- Flipped Classroom Tool
- JoVE Quiz Testing Tool

SE Volumes & Collections

SE Basic Biology

General Laboratory Techniques
Basic Methods in Cellular and Molecular Biology
Essentials of Biology 1: yeast, *Drosophila* and *C. elegans*
Essentials of Biology 2: Mouse, Zebrafish, and Chick

SE Advanced Biology

Essentials of Neuroscience
Essentials of Developmental Biology
Essentials of Genetics
Essentials of Cell Biology

SE Clinical Skills

Essentials of Physical Examinations I
Essentials of Physical Examinations II

SE Psychology

Essentials of Behavioral Science
Essentials of Experimental Psychology
Essentials of Cognitive Psychology
Essentials of Developmental Psychology

SE Environmental Sciences

Essentials of Environmental Science
Essentials of Environmental Microbiology
Essentials of Earth Science

SE Chemistry

Essentials of General Chemistry
Essentials of Organic Chemistry
Essentials of Analytical Chemistry

SE Video Demonstration Page

The screenshot shows the JoVE website interface. At the top, there is a search bar (1) with the text "Search by keywords, for example: 'stem cells'". Below the search bar, there are navigation tabs for "Librarians", "Users", "Authors", and "About". The main content area features a video player (4) showing a Bunsen burner being lit. The video player has a play button and a progress bar. To the right of the video player, there is a table of contents (3) with the following items:

- 0:00 Overview
- 0:36 Bunsen Burner Components
- 2:08 Bunsen Burner Operation and Types of Flames

The video player has a caption "4 Use a spark lighter to light the" and a download PDF button (5). The table of contents has a "Create a JoVE Quiz" button (2) and a "Printable PDF Transcript" button (5).

1 Search Bar

2 JoVE Quiz

3 Timeline And Overview

4 Closed Captioning

5 Printable PDF Transcript

SE Quiz Creation (step 1)

www.jove.com

Manage your JoVE Quizzes

Welcome!

Use this page to create quizzes for your students about JoVE videos, as well as see results.

Your Existing Quizzes

Quiz Name	Article ID	Results	Actions
You have not issued any quizzes. Use the "Create a New Quiz" section below to create a new quiz.			

Create a New Quiz

1 Collection:

Create a New Quiz

Collection:

Article:

Quiz Name:

Email Addresses: (comma separated)

1 Select the collection you wish to create a quiz for and then select the article title.

2 Enter the email addresses or listserv address of the quiz taker(s).

SE Quiz Creation (Step 2)

www.jove.com

Create a New Quiz

Collection: Essentials of Biology 1: yeast, Drosophila and C. elegans *

Article: An Introduction to Saccharomyces... *

Quiz Name: 5081_Question_Set_V1 *

Email Addresses: (comma separated) *

Questions may be ordered however you would like just drag and drop them where you would like them to be.

Question 1: What characteristic of *S. cerevisiae* classifies it to the Kingdom *Fungi*?

Answers:

- It has membrane-bound nuclei.
- It has a cell wall made of chitin.
- It is unicellular.
- It is multicellular.

Image: Choose File No file chosen

Add Question

Review Quiz

3 These are preset questions written by our in-house scientists who have put together the collections. You can add, edit, or remove these questions here. Select the correct answer if you are customizing the quiz.

4 You may also include an image for reference by clicking "Choose File" and selecting your image.

5 Confirm and preview your quiz before sending it out to the recipients in (2).

SE Benefits

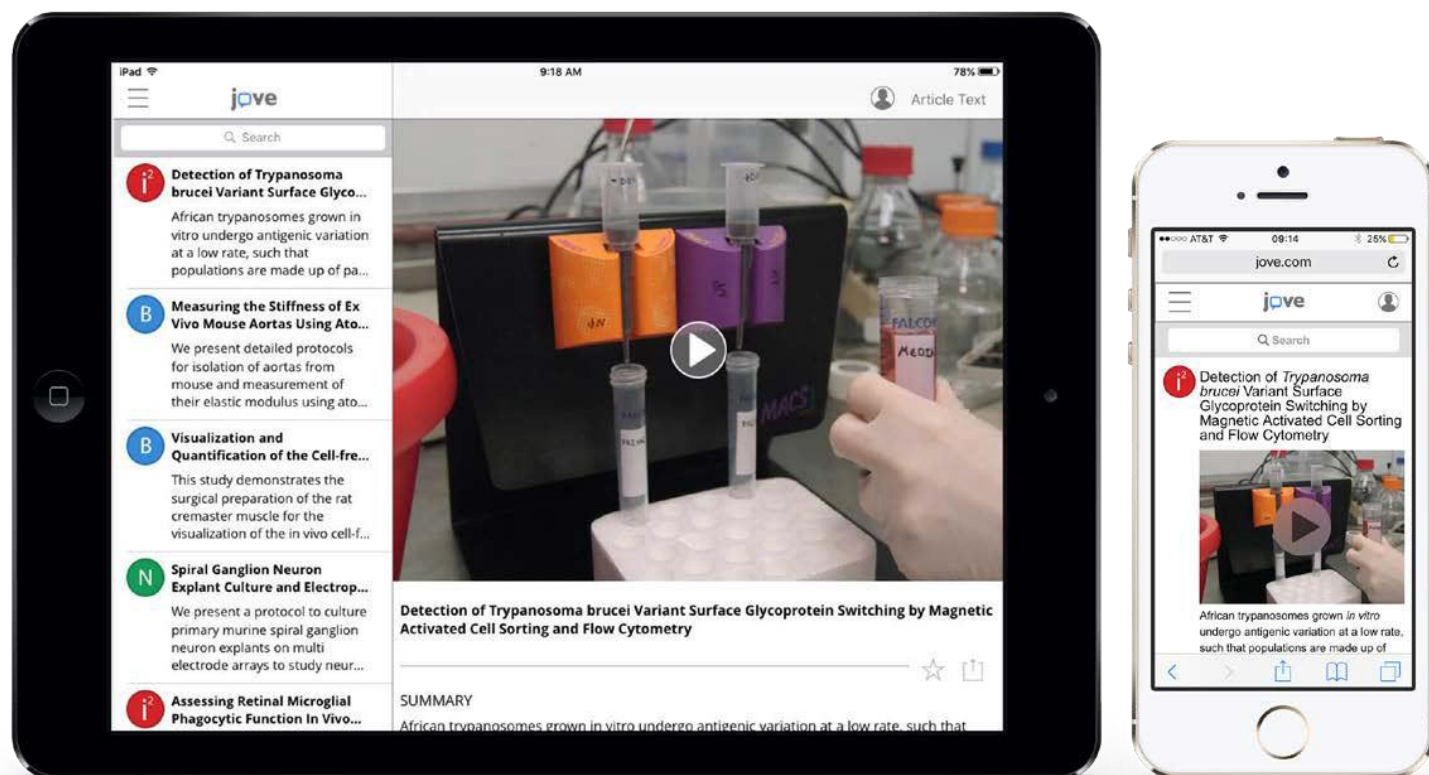
- **Increased speed of learning** in laboratory and classroom environments
- **Saved time and work for teaching faculty**
- Consistent **growth in student success**, learning outcomes, and **STEM retention**
- Support both undergraduate and graduate instruction

“
Initially it took multiple tries, whereas now when we teach this technique with the JoVE video we have a success rate between 90 to 100 percent.”

Dr. Carrie Northcott
Michigan State University



JoVE Access Anywhere



JoVE Account Creation (Off-Campus Access)

The screenshot shows the JoVE website's account creation interface. On the left, a 'Sign In' modal is visible with fields for Email and Password, and buttons for 'Sign In', 'Create an Account', 'Forgot Password', and 'Sign in with Shibboleth'. A red circle with the number '1' is placed over the 'Sign In' button. The main content area is titled 'Create a JoVE account'. It includes a section 'Creating an account is easy and free.' with a paragraph about institutional subscriptions. Below this is a section 'Fields marked with an asterisk (*) are required.' with input fields for First Name, Last Name, Institutional Email, Password, and Verify Password. A red circle with the number '2' is placed over the 'Institutional Email' field. Further down is a section 'For the best experience using JoVE, please tell us a little more about yourself.' with input fields for Research Area, Affiliation (a dropdown menu), Institution, Department, and Position. A red circle with the number '3' is placed over the 'Position' field. Below this is a CAPTCHA section with the text 'Please enter the text you see below.' and a CAPTCHA image. A red circle with the number '4' is placed over the CAPTCHA image. At the bottom is a 'Create Account' button. A red circle with the number '5' is placed over the 'Create Account' button. A small text line above the button says 'By clicking "Create Account", you agree to our policies.'

1 Sign in with your institutional email OR create an account.

2 Fill out mandatory fields.

3 Optional fields that maximize your JoVE experience.

4 Enter the CAPTCHA

5 Click "Create Account" and you're done!

Contact JoVE

Technical Questions:

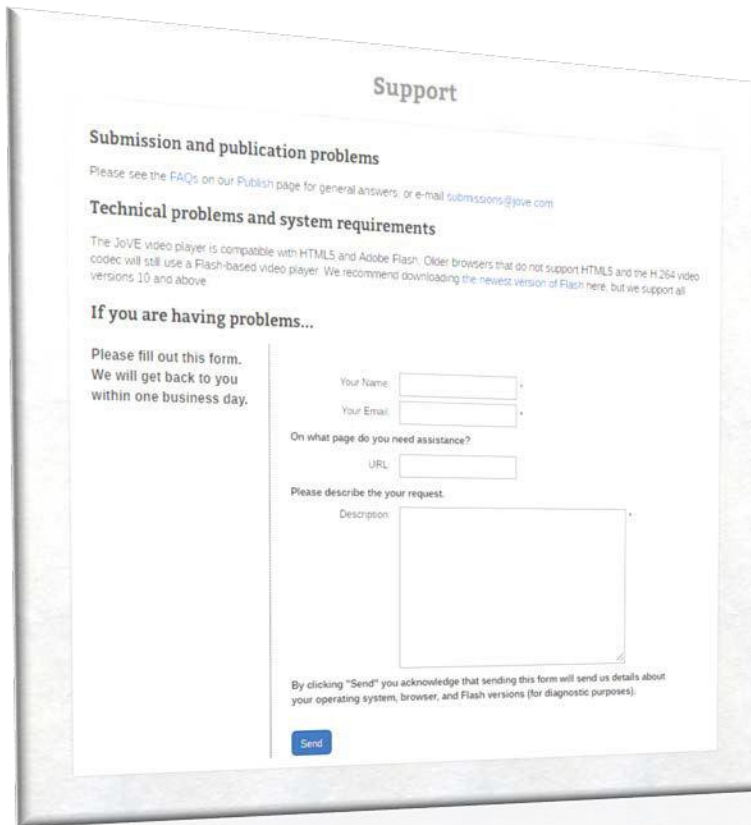
Contact Support via our website at www.jove.com/about/contact

Subscription Questions:

Contact Ibrahim Selcuk at ibrahim.selcuk@jove.com

Publication Questions:

Contact our Editorial team at submissions@jove.com



The screenshot shows the 'Support' page on the JoVE website. It includes sections for 'Submission and publication problems' and 'Technical problems and system requirements'. A contact form is titled 'If you are having problems...' and contains fields for 'Your Name', 'Your Email', 'On what page do you need assistance?' (with a URL field), and 'Please describe the your request.' (with a description field). A 'Send' button is at the bottom. A disclaimer at the bottom of the form states: 'By clicking "Send" you acknowledge that sending this form will send us details about your operating system, browser, and Flash versions (for diagnostic purposes)'.