

Journal of Visualized Experiments (JoVE)

How to use it for your research and teaching in the life sciences

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Coffee & Bit(e)s, 2nd June 2021, slides updated 25th January 2022







Journal of Visualized Experiments (JoVE) What is it?

Overview

- Producer and provider of multidisciplinary video method articles
- Funded in 2006
- Largest scientific video journal
- Peer-reviewed, indexed in PubMed, WoS, Scopus & more
- Initially OA, since 2009 subscriptionbased hybrid journal

Numbers

- Currently >14,000 videos available,
 ~1,000 new videos per year
- ~10% Open Access
- On average 2,000 views per video





Aim and purpose Why JoVE?

Goal

Videos intend to improve scientific research and education:

- enhance transparency and reproducibility.
- save time and money in research.
- enhance visibility.

Videos for two purposes

Research

filmed experiments, new research methods and technologies

→ <u>JoVE Video Journal</u>: Video method articles

Education

science concepts and laboratory methods for students courses

→ <u>JoVE Science Education Library</u> & more: Educational videos





What content is available at Uni Bern?

Sections licensed by UB plus OA content

Focus on biomedical

research and lab techniques

JoVE Research

Behavior Engineering

Biochemistry Environment

Bioengineering Genetics

Biology Immunology and

Cancer Research Infection
Chemistry Medicine

Developmental Biology Neuroscience

Open Access content: ~10%

Some OA COVID-19 procedures

JoVE Education

Basic Biology

Advanced Biology

Chemistry

Environmental Sciences

Physics

Engineering

Clinical Skills

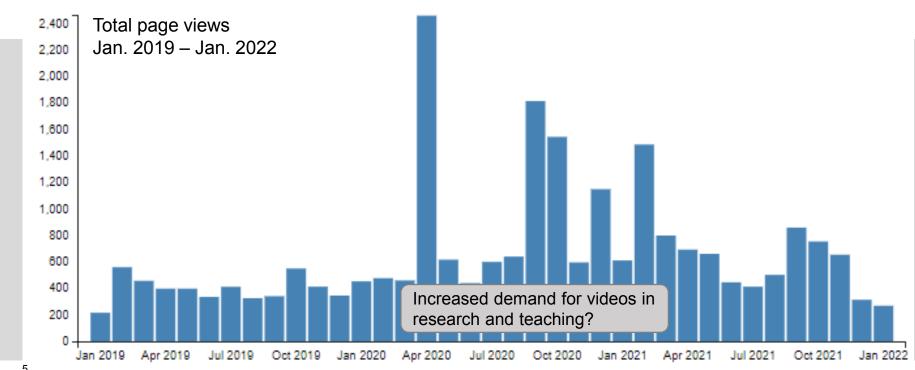
Psychology

Check available content:

www.jove.com/access

JoVE Usage at University of Bern

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Research

How to access JoVE journal articles

Via publisher's website

www.jove.com/journal

- → Broad, rather imprecise search
- → Useful to find educational videos



Via Scopus

www.scopus.com, search for topic and source title

→ Specific search, filter options (e.g., for OA)

Via Browzine

www.browzine.org

→ Search for specific years and issues



Research

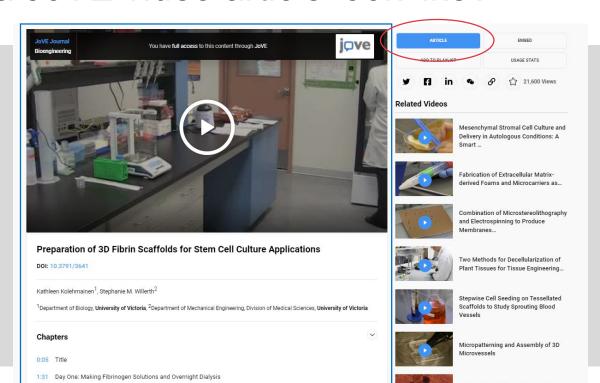
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How does a JoVE video article look like?

video (~10')

plus

written article





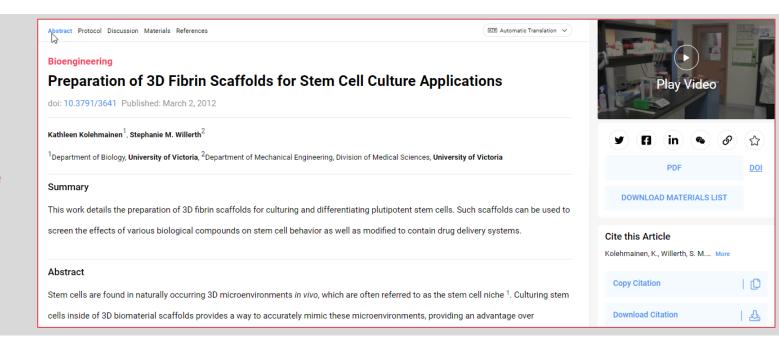
Research

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Research

How to publish with JoVE

www.jove.com/authors/publication

Publication process

Manuscript preparation and submission Editorial review

Peer review



Video production by JoVE videographers (or authors)



Publication and indexing

Costs

Regular publication fee: \$1,400 (same for JoVE and author produced videos)
Additional costs for OA: +\$2,500

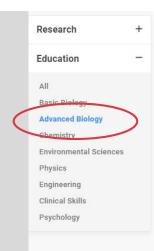




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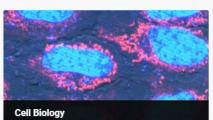
Education

JoVE educational contents at Uni Bern





This collection provides an introduction to the field of neuroscience, exploring five major branches of study: neurophysiology, neuroanatomy; cell and molecular neuroscience; behavioral neuroscience; and developmental neuroscience.





This collection introduces the field of developmental biology and cover five areas: developmental genetics; molecular developmental biology; stem cell biology; organogenesis; and aging and regeneration.





This collection focuses on genetics and incorporates five broad subdisciplines: the genetics of individuals and populations; genetics and disease; gene expression; epigenetics; and genetic engineering.





Education

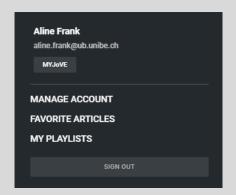
Support for lecturers

Faculty resource center

- Guides for setting up online courses and remote teaching with JoVE
- Assistance in finding the right videos for your courses: <u>customersuccess@jove.com</u>

Use a JoVE account

- Play lists
- Manage favorites



JoVE Blog

News, tips and tricks, also for teaching

www.jove.com/about/blog/





Summary

Pros and Cons

Why to use JoVE?

- Learn and/or share experimental techniques
- → Save time and money
- → Enhance reproducibility
- → Enhance visibility of your research
- + High-quality video production
- + Useful videos for online teaching and training

Why not to use JoVE?

- Limited search and filter options
- Difficult to find educational content at the right level
- Costs for authors & libraries (double dipping)
- Unsolicited submission requests
 There's an ongoing debate whether or not JoVE may be seen as a predatory journal, e.g., on <u>Academia</u> and <u>ResearchGate</u>.





What else?

Alternative sources for scientific videos

Research

Several journals offer video formats:

- Current Protocols
- Journal of Medical Insight
- Nature Protocols: <u>Protocol Exchange</u> (preprint server for protocols, not peer-reviewed)

... and others

Education

flashMOOCs (Massive Open Online Courses), interactive teaching videos

→ cooperation with iLUB

YouTube channels, e.g., ProtocolExchange

Scientists' and research institutions' homepages

Thank you for your attention



Aline Frank, subject librarian for biology, University Library Bern

Coffee & Bit(e)s spring 2021

www.unibe.ch/ub/sciencelibrary

→ see «Coffee & Bit(e)» for lecture notes and video (uploaded within 1-3 days)

