



Dr. Raja Sriperumbudur is the Director of In-Vivo Resource Center at Biogen in Cambridge, Massachusetts, USA.

He manages a lab of 15 technical staff members, all of whom need to continuously familiarize themselves with cutting-edge techniques and surgical procedures.

Biogen Saves \$100,000 and 1,400 hours Using JoVE For Training

Challenge:

It typically takes 36 hours to train each lab member on a single new technique. If a training resource is unavailable, often Dr. Sriperumbudur is forced to send a staff member to a remote lab location to learn the desired technique, or fly someone in to his lab to teach the technique.

Either of these options adds an average of 32 hours and \$4,600 in travel and lodging, just to learn a single technique, Dr. Sriperumbudur said.

Solution:

Dr. Sriperumbudur greatly benefited from JoVE during his previous job at NIH, so he introduced JoVE Video Journal as a training resource to his lab at Biogen.

- Faster, more efficient learning: JoVE saves 20% time and resources for every new technique - cumulatively the Biogen team saves upwards of 108 work hours and \$5,400 of budget every time they use JoVE to learn an experimental procedure.
- Less training and travel: Staff members training with JoVE videos instead of traveling or flying in a trainer save an average of 32 hours and \$4,600 for every new technique they learn with JoVE, Dr. Sriperumbudur said.

Results:

Factoring just 10 of the most frequently-used JoVE videos in Dr. Sriperumbudur's lab, JoVE saves Biogen:

- 1,080 hours and \$54,000 in training of 15 technical staff members
- 320 hours and \$46,000 in traveling to a remote lab location
- Total: 1,400 hours and \$100,000 saved using JoVE

“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. I've seen these methods get cited. They are easy to reproduce because you have all the information, down to the reagents.”

- Dr. Raja Sriperumbudur