

# RESILIENCE Bioprocessing Virtual Reality Workshop in Scotland

## A case study with Heriot-Watt University



### + Background

Heriot-Watt University is a progressive and international institution based in Scotland. Heriot-Watt University are a core partner of RESILIENCE, as well as being a member themselves.

In this case study, hear from David Ellis, Assistant Professor (Lecturer) at Heriot-Watt (HW) University, who was introduced to RESILIENCE by a colleague. From their membership, David's students took advantage of the opportunity to attend a RESILIENCE led Bioprocessing VR Workshop as part of a 'Laboratory Regulation and Project Management' course.



### + Why choose RESILIENCE?



When exploring the benefits and opportunities that RESILIENCE has enabled for David, he mentioned:

"The workshops, hosted by HW RESILIENCE colleagues allow students in their graduating year to experience VR/MR. The students were comfortable participating in the workshops.

In addition to the skills development and innovative experiences that the students benefited from, opportunities have also included connections and introductions to 'BodySwaps and 'FourPlus Immersive' who are also now supporting us with some funding bids.

For anyone considering joining the RESILIENCE network and haven't yet, I would say...

**RESILIENCE is the Future!"**



## + Workshop Feedback



**“I think the VR workshop provided an interesting insight into the potential that VR training has in the laboratory environment. It has really opened my eyes to the opportunities for safe and efficient laboratory training while conserving resources.”**

**“My experience of the VR was very good, it was explained clearly and gave a good insight into procedures which I haven't previously done in my time in the lab. The staff were also extremely helpful when stuck and friendly.”**

**“I found the workshop really interesting and super fun! It was like nothing I have had the opportunity to experience before, but it felt like a glimpse into something that will become more common, for training purposes, in the future. My classmates and I were saying we would attend the VR all over again if we could! I'm grateful you took the time to organise this.”**

**“Thanks for organising the VR workshop! I really enjoyed the experience. VR has come a long way since I last used it. Thanks for putting this together. I'd love to see more sessions like this in the future!”**

**“Thank you for organising the VR workshop. I thoroughly enjoyed the experience and found it highly informative and engaging. The hands-on session was particularly valuable, as it allowed us to explore the technology firsthand.”**

**David Ellis, Assistant Professor (Lecturer) at Heriot-Watt (HW) University:**

**“ I am very grateful to the Heriot-Watt Resilience Team, Nik, Laura and Nicole, for providing our students with a Virtual/Mixed Reality Experience, the feedback has been universally positive...students wanted more! I believe that VR can transform teaching, enabling students to experience environments and situations that would otherwise be inaccessible. ”**



## + Interested in becoming an enhanced member?



✔ Sign up to our [free standard membership](#)

✔ Contact us to arrange a VR demo with your local partner. You can come onsite to us, or we can travel to you. Email us at: [resilience-skills@contacts.bham.ac.uk](mailto:resilience-skills@contacts.bham.ac.uk).

✔ If you wish to sign up, your local partner will work with you to complete the membership paperwork.

✔ You will then receive your VR headsets, FourPlus Immersive and Bodyswaps licences and be given training in how to use these.

✔ If you are interested in the Workplace Accelerator programme(s), we will work with you to co-deliver the first cohort. You will then feel comfortable to roll this out yourself!