



Learning on Screen

@LearnonScreen



3 hours ago, 58 tweets, 42 min read

Bookmark

Save as PDF

+ My Authors

Hello, my name is Chris Willmott (usual handle [@cjr\\_w](#)) and I've been given the keys to officially drive the [@LearnonScreen](#) account for the next two hours [#TV4Teaching](#)

I'm an Associate Professor in Biochemistry at [@uniofleicester](#) with a long-standing interest in use of [#BroadcastMedia](#) in Teaching & Learning [#TV4Teaching](#)

This is a new venture for [@LearnonScreen](#) and they're trusting me to take good care of their account. I promise I'll endeavour to do so! [@cjr\\_w](#) [#TV4Teaching](#)

The reason for the [#TwitterTakeover](#) of [@LearnonScreen](#) is to bring to your attention a new set of [@OnDemandBoB](#) [#TeachingResources](#) that are being developing [#TV4Teaching](#)

However, because this is the first of what will (hopefully) be a series of [#TwitterTakeovers](#) for [@LearnonScreen](#) over the next few weeks, I plan to spend the next couple of hours doing several things [@cjr\\_w](#) [#TV4Teaching](#)

Firstly, I want to introduce [@OnDemandBoB](#) which is a powerful tool for using [#BroadcastMedia](#) in teaching [apologies if you're a [@LearnonScreen](#) regular & familiar with BoB, but my experience is that many people who could benefit from the service are not aware of it] [#TV4Teaching](#)

Secondly, I want to say a few general words about why I believe [#BroadcastMedia](#) deserves to be used more widely in (University) education [@cjr\\_w](#) [#TV4Teaching](#)

Thirdly, I'll be talking about the new [#Playlists](#) initiative and specifically introducing the hows and whys of some of the programmes I've elected to include in the [#BiologyInBroadcastMedia](#) collection [@cjr\\_w](#) [#TV4Teaching](#)

Finally, I'm here to answer any questions you might have about Broadcast Media & (University) education. Apologies that the [@LearnonScreen](#) account is going to be a bit noisier than usual for the next couple of hours, but we hope the content will prove useful [#TV4Teaching](#)

OK, so just in case anyone doesn't know, [@OnDemandBoB](#) is a service streaming [#BroadcastMedia](#) for education [learningonscreen.ac.uk/ondemand](#) The collection already includes over 2 million programmes recorded from about 75 different channels

Many core channels are recorded into [@OnDemandBoB](#) by default, and if users want material from other channels there is 30 day window (currently 40) during which both staff & students at member institutions can request programmes [#TV4Teaching](#)

Within [@OnDemandBoB](#) you can edit programmes to pick out specific clips and you can add programmes/clips to [#Playlists](#) (more about those later) [#TV4Teaching](#)

You can search [@OnDemandBoB](#) using programme information (often including transcripts of TV – especially useful for news footage) or you can search other people's public playlists (what I sometimes term "looking under lampposts") [#TV4Teaching](#)

[Incidentally, I also find it useful to search in the parallel Television & Radio Index for Learning & Teaching

Follow Us on Twitter!

Tweet

Share

As noted [@OnDemandBoB](#) \*is\* a subscription service, but most UK Unis & several Colleges are already members (though staff & students in those institutions are often unaware of the fact). If your HEI isn't already a member, free trials until end of July are available [#TV4Teaching](#)

If you're not eligible for [@OnDemandBoB](#) (eg because you are not in UK) don't stop following the chat just yet, as this next discussion is about the value of [#BroadcastMedia](#) in education, wherever you may find it [#TV4Teaching](#)

For the next few posts, I want to move on to discuss reasons why/ways in which I've found [#BroadcastMedia](#) to be an excellent resource for teaching [#TV4Teaching](#)

I have, at various times, encountered colleagues who have been very sceptical about the potential of [#BroadcastMedia](#) for University teaching. They may have an out of date image of [#TV4Teaching](#) as lampooned here [learningonscreen.ac.uk/ondemand/index...](http://learningonscreen.ac.uk/ondemand/index...)



[Incidentally it seems some of the clips are hanging during the initial loading this afternoon. If that happens just press refresh and all will be fine] [@OnDemandBoB](#) [#TV4Teaching](#)

A few years ago a delegate at a conference where I was discussing development of my blog Biology on the Box

#### Biology on the Box

Sharing suggestions for biology-related programmes within Box of Broadcasts (Scroll down for more details)

<https://biologyonthebox.wordpress.com>

Follow Us on Twitter!

Tweet

Share

, declared that “TV Science is dumbed down Science” [#TV4Teaching](#)

Of course, that is partially true; \*some\* TV Science is dumbed down, but much is not (and radio even less so). However, I would argue even poor science can be used for engaging & effective teaching [#TV4Teaching](#)

By way of example, there’s a terrible experiment in Brainiac: Science Abuse that “proves” you can smell fear? [spoiler: it doesn’t, even though the programme says it does]. The relevant clip can be seen at [learningonscreen.ac.uk/ondemand/index...](http://learningonscreen.ac.uk/ondemand/index...) [#TV4Teaching](#)

[whoops, stray ? there, sorry]

I took this clip as the starting point for a session on [#ExperimentalDesign](#). Students critique the experiment – good points (there are a couple) and bad - then design a \*better\* experiment [#TV4Teaching](#)

To finish I walk them through a properly conducted test from 2009 looking at same question (this one

#### Induction of Empathy by the Smell of Anxiety

The communication of stress/anxiety between conspecifics through chemosensory signals has been documented in many vertebrates and invertebrates. Here, we investigate how chemosensory anxiety signals ...

<https://tinyurl.com/anxietypaper>

). To read more about this activity see

#### Can you smell fear?

Broadcaster: Challenge Year: 2014 Genre: Popular Science, Edutainment The maverick series Brainiac: Science abuse originally ran on Sky One between 2003 and 2008. This clip (2.5 mins) within Box of...

<https://biologyonthebox.wordpress.com/2014/09/11/can-you-smell-fear>

[#TV4Teaching](#)

The exercise also became a formal [#Pedagogy](#) paper

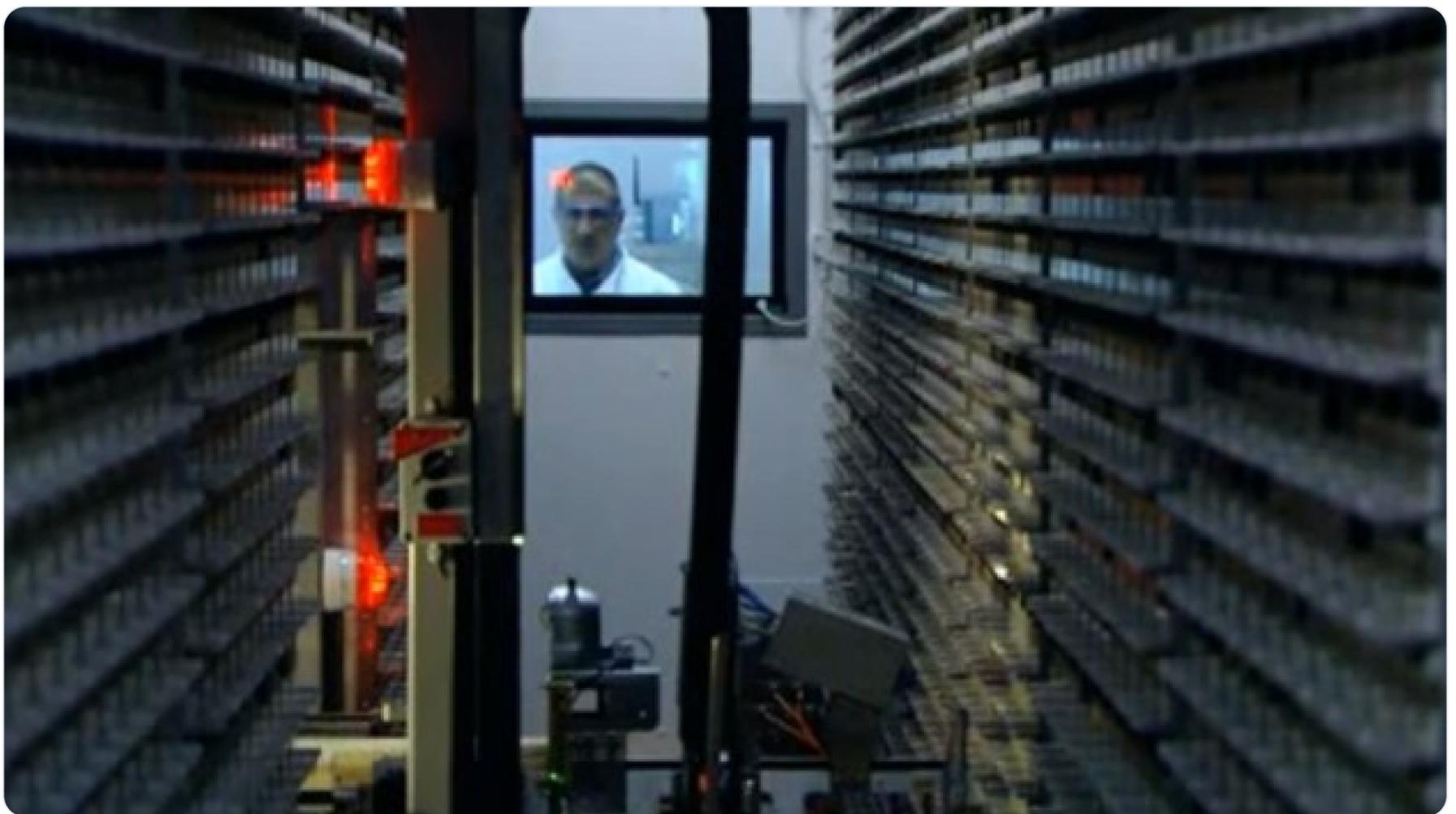
#### Introduction to experimental design: can you smell fear?

(2011). Introduction to experimental design: can you smell fear? Journal of Biological Education: Vol. 45, No. 2, pp. 102–105.

<https://www.tandfonline.com/doi/abs/10.1080/00219266.2010.546008>

[#TV4Teaching](#) 

Clips can be used in other ways. For example, I include a section from Horizon: Pill poppers in a session on pharmaceutical development to show the amazing robot GSK have for picking samples from their store of compounds [bobnational.net/record/250373](http://bobnational.net/record/250373) [#TV4Teaching](#)





Similarly, I use the opening sequence of the film [#Outbreak](#) to introduce the classification of [#Biohazard](#) Levels (sadly, very topical at the moment). The 3 min clip is at [learningonscreen.ac.uk/ondemand/index...](http://learningonscreen.ac.uk/ondemand/index...)

[#TV4Teaching](#) 

Once again it's not perfect, but you can build the flaws into your teaching. e.g. if you ask "Was anything wrong there?" You can be sure that at least one person in the group will have spotted that some of the scientists remove their [#PPE](#) \*before\* they leave the lab [#TV4Teaching](#) 

There are other times when it might be worthwhile getting a group to watch a whole episode of a documentary, Back in the day I used to run a session in which students watched [@AdamRutherford](#)'s The Cell: Molecules of Life

At the time it was only available as an “off-air recording” DVD, plus you had to pay co-producers the OU for the rights to show it.

BBC Four – The Cell, The Chemistry of Life

How scientists sought to reveal the magic ingredient that could spark chemicals into life.

<https://www.bbc.co.uk/programmes/b00m6nhq>

Times have changed [#TV4Teaching](#)

Now OU programmes are part of the ERA scheme and included in [@OnDemandBoB](#) Molecules of Life is at [bobnational.net/record/222440](http://bobnational.net/record/222440) . Because it can be streamed, you no longer need to use F2F time for this [#TV4Teaching](#)



Here we're getting into the realms of [#FlippedTeaching](#). It can be great to point students towards AV resources, including those in [@OnDemandBoB](#), as part of their non-timetabled content for a module – eg before a F2F session when the programme will be discussed [#TV4Teaching](#)

The allocated time for most modules will include a substantial slice of "Guided Independent Study" here is one way in which that independent study can be guided [#FlippedLearning](#) [#TV4Teaching](#)

[If you're a [@LearnonScreen](#) regular and wondering why the heck the usually genteel account is suffering a tweet-frenzy this afternoon, we're having our first ever [#TwitterTakeover](#) with [@cjr\\_w](#) driving, [#TV4Teaching](#)]

[Apologies if we've been dominating your timeline but rest assured we're now more than halfway through, and there are fewer tweets in the second hour to enable users to follow more of the links [#TV4Teaching](#)]

The availability of streamed content at [@OnDemandBoB](#) raises the possibility of module-specific [#ViewingLists](#) alongside [#ReadingLists](#) (you don't need to share a few copies of the DVD around a whole group of 200+ students) [#TV4Teaching](#)

[#BroadcastMedia](#) included in a [#ViewingList](#) might be required material for watching/listening or optional extra

[Follow Us on Twitter!](#)

[Tweet](#)

[Share](#)

Of course one of the problems with [#FlippedTeaching](#) in general, not just using AV resources, is how to ensure student engagement with the material before you discuss it. That's probably a conversation for a different day [#TV4Teaching](#)

For the moment, I'd just say that providing a scaffold of activity for students to follow during the non-timetabled phase of task can be a simple but effective step, especially if the same questions form basis of the F2F session and you require student participation [#TV4Teaching](#)

OK, let's get back to the question of [@OnDemandBoB](#) [#Playlists](#) and particularly the new collection of Teaching Resources being developed by [@LearnonScreen](#) [#TV4Teaching](#)

Here's a short (1 minute-ish) promo video for the [#BiologyInBroadcastMedia](#) playlist I've been asked to curate for Biology

Curated BoB Playlists – 'Biology in Broadcast Media' Dr. Chris Willmott for Learning on ...  
This is "Curated BoB Playlists – 'Biology in Broadcast Media' Dr. Chris Willmott for Learning on Screen" by Learning on Screen on Vimeo, the...  
<https://vimeo.com/407951233>

If you'd like to watch that I'll pop away for a moment and top up my teapot [#TV4Teaching](#)

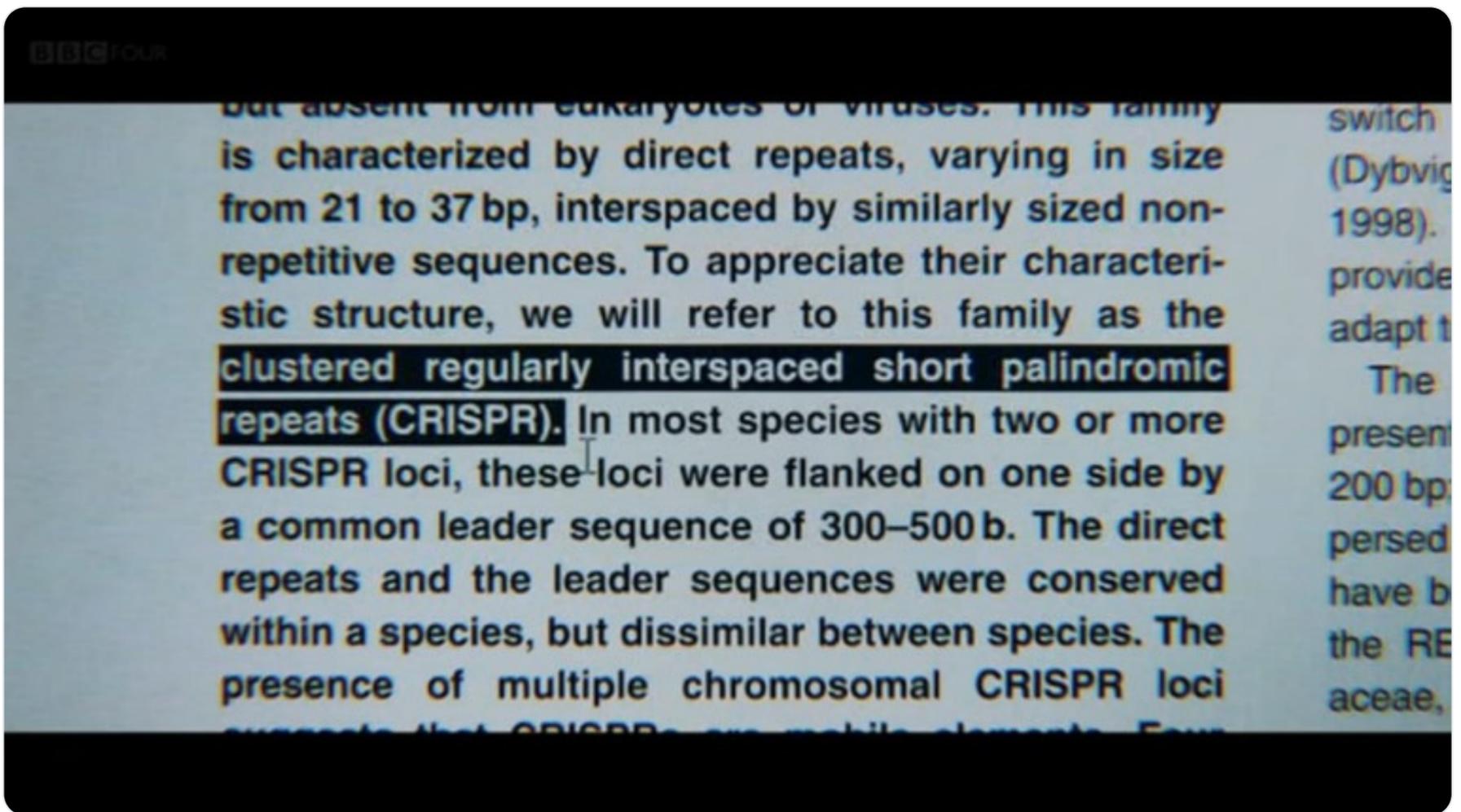
[#BiologyInBroadcastMedia](#) itself is at [learningonscreen.ac.uk/ondemand/playl...](http://learningonscreen.ac.uk/ondemand/playl...) We've mentioned some of the listed resources during the preceding discussion. I've been asked to pick out one or two more & say something about them. Before I do that, a more general word on [#Playlists](#) [#TV4Teaching](#)

If you followed the link you'll notice that the playlist has a number – in this case 258935. The number is generated automatically – if I add a clip to my "Biology In Broadcast Media" playlist, then [@OnDemandBoB](#) archives that to the numbered list [#TV4Teaching](#)

Users can find playlist either by bookmarking numbered page, using link from the [@OnDemandBoB](#) Teaching Resource page, or by using the search tool for either "Biology in Broadcast Media" or "258935" - but remembering to toggle from "Programmes" to "Public Playlists" [#TV4Teaching](#)

I use [#Playlists](#) as "tags" so I might for example add a news clip to [#Bioethics](#) [#Antibiotics](#) and [#BS3068](#) (if it was relevant to that third year course – fitting with the notion of module-specific [#ViewingLists](#)) [#TV4Teaching](#)

OK, on to one or two specific highlights. In addition to The Cell (which we've already looked at), I also mention the exceptional The Gene Revolution: Changing Human Nature in the video [learningonscreen.ac.uk/ondemand/index...](http://learningonscreen.ac.uk/ondemand/index...) [#TV4Teaching](#)



This 90 min documentary gives a great introduction to [#GenomeEditing](#) and [#CRISPR](#) technology which are going to bring radical changes [#Bioethics](#) [#TV4Teaching](#) (incidentally if you don't have [@OnDemandBoB](#) this episode is actually still on iPlayer

BBC Four – Storyville, The Gene Revolution: Changing Human Nature  
The biggest tech revolution of the 21st century isn't digital, it's biological.

<https://www.bbc.co.uk/programmes/m000dt7d>

I'd also pick out The Secret You [learningonscreen.ac.uk/ondemand/index...](http://learningonscreen.ac.uk/ondemand/index...) a 2009 episode of Horizon featuring the work of [@Comadork](#) on using innovations in [#Neuroscience](#) to communicate with patients who have [#DisordersOfConsciousness](#) Amazing stuff! [#TV4Teaching](#)

A much older Horizon special (originally from 1987) is Life Story [learningonscreen.ac.uk/ondemand/index...](http://learningonscreen.ac.uk/ondemand/index...) which is a dramatisation of the discovery of the structure of [#DNA](#) by Watson and Crick [#TV4teaching](#)

Sticking with drama, the more recent Code of A Killer re-tells the story of the invention and first criminal uses of [#GeneticFingerprinting](#) over two 65 min parts [bobnational.net/record/287750](http://bobnational.net/record/287750) and [bobnational.net/record/288977](http://bobnational.net/record/288977) [#TV4teaching](#)

Look out for the "Hitchcock" cameo by the real Alec Jeffreys [#GeneticFingerprinting](#) [#DNAprofiling](#) [#TV4Teaching](#)



🔗

Next up, a documentary that sounds like it should be a drama. *Three Identical Strangers* discusses the event that led to triplets being raised separately in the USA. Includes a shocking twist

[learningonscreen.ac.uk/ondemand/index...](https://learningonscreen.ac.uk/ondemand/index...) #TV4Teaching



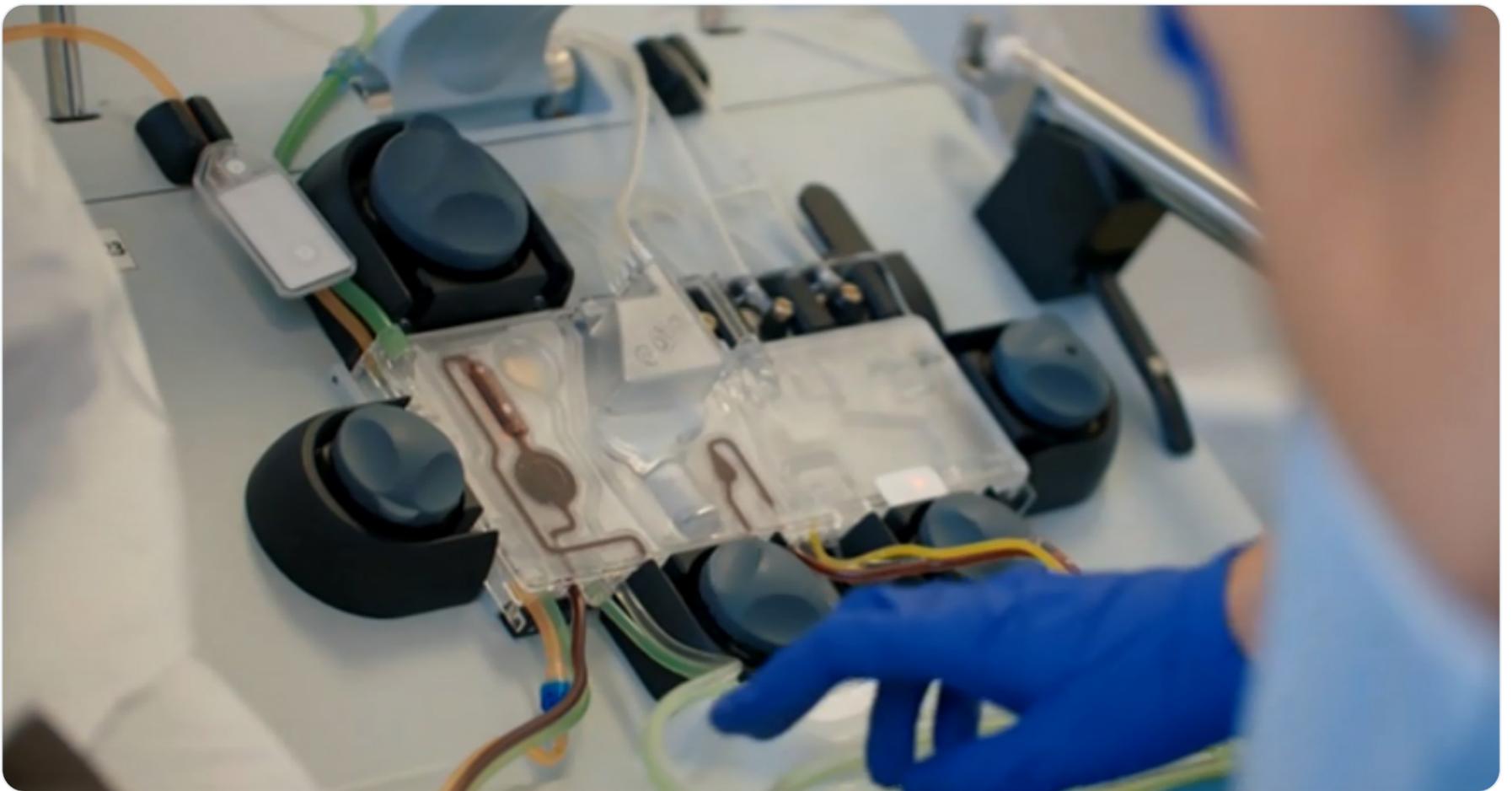
🔗

Lastly, another recent documentary *War In The Blood* (2019) [learningonscreen.ac.uk/ondemand/index...](https://learningonscreen.ac.uk/ondemand/index...) This 100 min programme looks at the emerging importance of [#CancerImmunotherapy](#) especially [#CAR\\_T](#) therapy,

🐦 Follow Us on Twitter!

🐦 Tweet

📄 Share



Thank you for your company today for this first [@LearnonScreen](#) [#TwitterTakeover](#) We've got a few minutes for any questions before I hand back the keys [#TV4Teaching](#) 

I don't imagine future takeovers will be quite as frenetic, but there was some necessary background to cover during this first session [#TV4Teaching](#) 

OK, I'm about to hand back control of this account to [@LearnonScreen](#). If you have general questions about Broadcast Media, Digital Copyright or [@OnDemandBoB](#) please direct them to that handle. If you'd like to specifically ask me something, please address to [@cjr](#) 

In addition to the new playlist, do please also take a look at

#### Biology on the Box

Sharing suggestions for biology-related programmes within Box of Broadcasts (Scroll down for more details)

<https://biologyonthebox.wordpress.com>

for more on teaching using Broadcast Media and

#### Journal of the left-handed biochemist

Reflections on pedagogy and other stuff

<https://lefthandedbiochemist.wordpress.com/>

 Follow Us on Twitter!

 Tweet

 Share

for wider ruminations on teaching. Happy viewing, Chris [#TV4Teaching](#) [@cjrjw](#)

Missing some Tweet in this thread? You can try to [force a refresh](#).

[Tweet](#) [Share](#) [Email](#) [Embed](#)

## Enjoying this thread?

⚡ Keep Current with [Learning on Screen](#)



Stay in touch and get notified when new unrolls are available from this author!

[+ Add to "My Authors" list](#) [Read all threads](#)

🔒 This Thread may be Removed Anytime!



Twitter may remove this content at anytime, convert it as a PDF, save and print for later use!

[Save this thread as PDF](#)

## Try unrolling a thread yourself!



1) Follow [Thread Reader App on Twitter](#) so you can easily mention us!

2) Go to a Twitter thread (series of Tweets by the same owner) and mention us with a keyword "unroll"

[@threadreaderapp unroll](#)

You can [practice here](#) first or read more on our [help page](#)!

## Related hashtags

- [#TV4Teaching](#) [#BroadcastMedia](#) [#TwitterTakeover](#) [#TeachingResources](#) [#TwitterTakeovers](#) [#Playlists](#)  
[#BiologyInBroadcastMedia](#) [#ExperimentalDesign](#) [#Pedagogy](#) [#Outbreak](#) [#Biohazard](#) [#PPE](#)  
[#FlippedTeaching](#) [#FlippedLearning](#) [#ViewingLists](#) [#ReadingLists](#) [#ViewingList](#) [#Bioethics](#) [#Antibiotics](#)

[Follow Us on Twitter!](#)

[Tweet](#) [Share](#)