

Hero of the Evolution: Dr. Tom Cowan

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Yet Another Powerful Voice From the Rapidly Expanding Army of Reason

by [Steve Cook](#), [UK Reloaded](#)

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I came across this Facebook post recently by Dr Tom Cowan. He is yet another qualified and intelligent voice of reason steadfastly and dedicatedly censored by the corporate media in an ongoing and increasingly desperate effort to prevent the People getting wise to things they don't want you to know.

The truth of the matter is these highly qualified a voices of reason are growing in number and ubiquity at an accelerating rate and the enemies of Humanity are having dickens of a job keeping lid on the volcano.

The entire biochemical paradigm of the pharmaceutical-industrial complex that results in the systemic poisoning of Man, which itself is intended to render human beings tired, sick and introverted on their health – and thus neutralised as potential sources of trouble (ie liberty) -is now in jeopardy.

All we have to do is keep going, keep speaking out, keep right on advocating Reason and common sense and keep on bringing to the attention of the People the huge reservoir of wisdom and more workable paradigms that are being kept from them by those with a vested interest in prolonging the Dark Age of their barbarism.

In other words, simply REFUSE to shut up.

And the more we can unite and work together, the sooner the Dark Age will be over and the Age of Reason begun.

Dr Tom Cowan is a highly recommended voice of reason.

Please visit his website [here](#)

Or see his videos on Bitchute [here](#).

And here by way of a taster is his post from Facebook

As you can see from this blockbuster article published on Aug. 9, 2016, in the prestigious journal Nature, researchers conclusively demonstrated that whenever fetal calf serum is added to any cell culture (as is done in virtually all modern virology studies, including those used during the past two years), it is simply impossible to use the results of this culture to determine the RNA sequence of any new virus. As they demonstrate, fetal calf serum itself is a rich source of many types of RNA sequences. Once this is introduced into the cell culture, from then on, there is no way to determine the origin of the RNA that researchers find.

*The significance of this study cannot be overstated and validates what we've been saying for many months. Virologists use cell cultures to prove the existence of a new virus and its cytopathic effect. If the culture is contaminated, as this study demonstrates, **any claims about a new virus and its genetic makeup are meaningless.***

Fetal calf serum contamination acknowledged in the literature:

[https://www.nature.com/articles/](https://www.nature.com/articles/srep31175?fbclid=IwAR025YeZ64s3HyHaROFYnTSMbBmTHMQNRzmcDA8vBwQQs4Ao7oddPvqUk2M)

[/srep31175?fbclid=IwAR025YeZ64s3HyHaROFYnTSMbBmTHMQNRzmcDA8vBwQQs4Ao7oddPvqUk2M](https://www.nature.com/articles/srep31175?fbclid=IwAR025YeZ64s3HyHaROFYnTSMbBmTHMQNRzmcDA8vBwQQs4Ao7oddPvqUk2M)

Abstract

Fetal bovine serum (FBS) has been used in eukaryotic cell cultures for decades. However, little attention has been paid to the biological effects associated with RNA content of FBS on cell cultures. Here, using RNA sequencing, we demonstrate that FBS contains a diverse repertoire of protein-coding and regulatory RNA species, including mRNA, miRNA, rRNA and snoRNA. The majority of them (>70%) are retained even after extended ultracentrifugation in the preparations of vesicle-depleted FBS (vdFBS) commonly utilized in the studies of extracellular vesicles (EV) and intercellular communication. **FBS-associated RNA is co-isolated with cell-culture derived extracellular RNA (exRNA) and interferes with the downstream RNA analysis. Many evolutionally conserved FBS-derived RNA species can be falsely annotated as human or mouse transcripts.** Notably, specific miRNAs abundant in FBS, such as miR-122, miR-451a and miR-1246, have been previously reported as enriched in cell-culture derived EVs, possibly due to the confounding effect of the FBS. Analysis of publically available exRNA datasets supports the notion of FBS contamination. **Furthermore, FBS transcripts can be taken up by cultured cells and affect the results of highly sensitive gene expression profiling technologies. Therefore, precautions for experimental design are warranted to minimize the interference and misinterpretations caused by FBS-derived RNA.**

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