

THE COVID HUNTERS: IN PURSUIT OF THE CHIMERA AND THE VACCINE

- THE MOTION PICTURE -
The extraordinary, true story.
A preliminary, confidential proposal
for Michael Shamberg

Gwythian Prins



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Synopsis

Covid-19 is an unprecedented event in modern history that is still unfolding at this moment and has a way to go before it ends, although something like it has long been predicted. This film tells the true story of the team that grasped the truth first and then, for four months, had to fight all sides, East and West, who wanted it silenced, but who finally prevailed. It has three entwined threads:

First, discovery in March 2020 that the **Covid-19 pandemic was caused by the Wuhan Virus (SARS-CoV-2), which is beyond reasonable doubt a 'chimeric' chimera created by Chinese virologists with essential US help - witting and unwitting** - and, consequent upon this, **realisation that while all 'whole spike' vaccines are unlikely to be effective and may harm people, a safe and effective vaccine can be designed - which they did**. Although both Chinese bats and pigs are part of the SARS-CoV-2 story, their roles are quite different from that ascribed to them in 'Contagion.' The three key papers - Vaccine Biovacc-19; aetiology of SARS-CoV-2 virus; main points of the retro-engineered cover-up (still being written) - are attached here as an Annex

Second, the lengths to which the Chinese Communist Party went to cover up the origin (and how they did it included retro-engineering three viruses in January 2020) and how, helped by an extraordinarily broad and influential community of 'friends of China' in the West, the **Ministry of State Security mounted an intense influence campaign to prevent the Sørensen/Dalgleish research being published and their vaccine developed**. This thread tells of serial freezing-out of the London/Oslo team and includes the gripping story of how the 'covid hunters' deployed extraordinary means to break this silence to get the vaccine published in a top-rated peer-reviewed scientific journal. Two peer-reviewers saw Nobel Prize quality in the paper what had been rejected without peer review by *Nature*, *Journal of Virology* and *BioRxiv*. **The shut-down attempt included threatening two of the authors with dismissal if they proceeded**. One, the chief scientist of the Norwegian Defense

Research Establishment, who had initiated collaboration with Immunor because of national security requirement for a vaccine against a Chinese origin virus, was ordered by his management to remove his authorship under threat of dismissal and loss of security clearances. The CCP had previously boycotted Norway in punishment for the Nobel Peace Prize aware to dissident Liu Xiaobo. This scandal is now public in Norway. The team also independently contact-traced possible index patients in the UK and placed them *months* before the official first contact: meaning that all UK containment modelling was faultily based.

Third, the reasons why 'Big Pharma' had a strange alliance of financial interest with the CCP's political reasons and with the sunk political capital of western agencies (the Vaccine Alliance etc) in *not* wishing to see a sterilising vaccine allowed to compete and how the 'covid hunters' fought back. This caused four months' head-start to be lost. There is an interesting resonance with the Jude Law storyline in 'Contagion.' Like 'Contagion', this film has heroic vaccine mavericks - real ones - at its heart. Telling their vaccine story is much more astonishing than the 'Contagion' one. This initial proposal reaches the point in the story of the 'maverick vaccine' entering advanced trials as the 'whole spike' early candidates adopted by governments and 'Big Pharma' in April show serial weakness. This is the point at which we are in early August.

The film is the true story of how a maverick group of individually singular and highly accomplished friends came together in March 2020 to find the true origins of Covid-19 and to design a vaccine against it, both of which, by June, they had done. It is a scientific detective story of bold and brilliant research of the highest quality but also of extraordinary low skulduggery in their struggle to get their work published as the truth dawned that the Chinese Communists and their fellow-travellers in the West were striving by all means to silence them.

The work which the Covid Hunters did in those super-charged weeks will have huge geo-political impact as well as life-saving effect when made public - *which is being done serially at this writing through the phased release of three papers that have the potential to shake the foundations of global politics.*

First, on 28 May came the key deep science paper presenting Biovacc-19, a vaccine with a unique mode of action based on a true understanding of the Wuhan virus unlike any of the hundreds of others which will most likely show no effect or worse. Biovacc-19 was published in the top-rated science journal QRB-D (*Quarterly Review of Biophysics Discovery*) after weeks of being blocked elsewhere. This battle included threats of dismissal to two of the authors, one of whom, the senior research scientist at the Norwegian Defence Research Establishment who had initiated his involvement because of national security requirement for a vaccine to counter a PRC originating virus, was forced to withdraw his name on pain of loss of security clearances and dismissal. That scandal went public in Norway in July.

Next comes an historical reconstruction of the aetiology of the SARS-CoV-2 Spike protein which shows its engineered nature. This paper was serially refused by *Nature*, by *Science*, always without peer review on grounds of 'not fitting editorial criteria' and therefore it was released in Norway by a news magazine, *Minerva*, in July.

Third, in August will come the revelation of three retro-engineered viruses -two bats (including the correct explanation of the now notorious RaTG13 which was *not* the precursor to SARS-CoV-2) and a mythical pangolin - created as part of the CCP cover-up in January 2020. Originally written in outline in March, this analysis was also serially refused publication. This proposal is therefore STRICTLY PRIVATE at this time, pending release.

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In a piece of combined scientific, medical, historical and secret intelligence sleuthing, step by step, day by day, working day and night, the Covid Hunters bonded as a 'virtual group' and

interwove their remarkable repertoire of talents and contacts, increasing their analytic power; mobilising their networks.

Their work had **three main dimensions**:

- the **primary research** itself;
- the **battle to get it published** and then, once achieved,
- the **story of its spreading impact** on the global quest for a vaccine and on sino-western relations.

The Gathering

This tells the story of an unlikely group of friends who came together to support the two heroes of the piece, who are the scientists, Birger and Gus.

The formative friendship, which made the team possible, was **Gwythian** with **Angus**. Originally formed when Gwythian became Gus's cancer patient in 2013 (which he remains, alive as a pre-trials "off label" recipient of Gus's revolutionary cancer immunotherapy), it blossomed from there. They had previously written and published together on the politics of health care and other matters.

Gus has worked for over ten years with **Birger**: the two brilliant and scientifically complementary virus and vaccine experts, Angus Dalgleish and Birger Sørensen. Long-time research partners on HIV, each individually brilliant in his field, both are disrupters, each disliked by their medical establishments. Birger quickly baled out of universities and has made his career by building vaccines successfully in commercial companies. In 2008, his company Bionor was awarded the prize by the Norwegian Dept of Trade & Industry as Norway's most innovative company. Gus has been 'frozen out' by the top hamper of the British scientific establishment. But grateful patients created his own research vehicle for him: the Institute of Cancer Vaccines & Immunology. He was principal discoverer of the CD4 receptor mechanism whereby HIV progresses to full-blown AIDS. So everyone now alive with AIDS as a chronic condition owes a debt to Gus. Inconveniently, these two buccaneers have a track record of being right when the 'establishment' majority were wrong over HIV/AIDS and

specifically the fiasco of Research Council and Big Pharma AIDS vaccines which failed - three in succession - over 30 years, all of which they predicted.

As they sought to identify the weak point in the Wuhan virus against which to target their vaccine, at first disbelievingly they uncovered facts which suggested that contrary to the PRC story of natural transmission via bats and pangolins in 'wet markets' Covid-19 was indeed an 'engineered', not a natural virus. They knew this to be so in principle by early March 2020. SARS-CoV-2 is a chimera of exceptional virulence and infectivity. Beyond reasonable doubt it escaped from the Wuhan Institute of Virology's BSL-4 lab. **Gus** introduced **Birger** to **Gwythian**. And so The Gathering of the Hunters begins.

A third Hunter is '**Caroline Bell**.' Under this *nom de guerre*, this brave and well-placed British Civil Servant relayed intelligence about the disloyalty of the Civil Service as it fought tooth and nail to overturn the peoples' 2016 decision to leave the 'European Union'. She became friends with Gwythian when both were Editorial Board members of an academic website called *Briefings for Brexit*, set up by a group of past and present Cambridge University academics during the battle to honour the 2016 referendum result. Once the country left under Prime Minister Johnson, the site, which had become quite influential, changed its name to *Briefings for Britain*. 'Caroline Bell's' articles revealing disloyalty in Whitehall, became famous. His/her true identity remains concealed. S/he contributed shrewd insight into governmental processes.

Sir Richard Dearlove became another key Hunter. He is the former Chief of MI6, the British Secret Intelligence Service. Since 2017, **Sir Richard** and **Gwythian** had been working with increasing closeness on the defence, intelligence and security aspects of the UK's fraught passage out of the EU (As well as being an academic, Gwythian also has had a career in public service in the UK Defence Research and strategic Intelligence communities). These threats to British sovereignty were especially fraught during Mrs May's dismal and dangerous premiership. Sir Richard and Gwythian had been working together at high tempo in the weeks before the virus struck.

The last Hunter is another close friend and research partner of Gwythian's. He and **John Constable** have worked closely on and jointly written on issues of energy and climate change since 2009. Together they were principal co-authors of *The Vital Spark: Innovating Clean & Affordable Energy for All* in 2013, the Hartwell Group on Climate Policy's third and last report. Gwythian had been the first Security Consultant to the Hadley Centre for Climate Research and Prediction in the UK Meteorological Office at the turn of the century and has a long experience in that field also. He first convened the Hartwell Group in 2009. It was principally funded by the Japanese. The Hartwell Group was influential in combatting the first rounds of climate catastrophism that were used, *inter alia*, by the Chinese and others hostile to the West to encourage self-harming by western countries via Trojan Horses, through the so-called 'green' movements which they help in various ways. John is an ace intelligence researcher and quickly became the Hunter who led discovery of the CCP's networks of influence that were pitted against them.

These, then, are the Hunters and this is an indication of how they gathered for this mission. It informs a first draft sketch for the phases of a screenplay, which suggests itself from this material:

- ❖ **Meet the Hunters** (each one at play - hunting, fishing for pike and for salmon, sailing, aikido, researching French history, at work in various iconic ways, meeting with each other: to establish characters)
- ❖ **The Gathering** (they come together as sketched above)
- ❖ **The Hunt** - in episodes, entwined (see below)
- ❖ **Writing & Fighting** - the twists and turns of translating fast developing research into actionable intelligence: from first warning the British Government to threats of dismissal to two in the research team, to writing the bombshell scientific paper and then the extraordinary conduct of a major scientific journal, *Nature*, followed by two others who refused to publish through support for or fear of the CCP. Recasting the paper from one into a series of three. Finally success when the deep science paper is accepted by one of the world's top-rated learned science journals, the *Quarterly Reviews of Biophysics - Discovery* . *Combatting Chinese*

'agents of influence' which they gradually identify high in western elites. The penny drops that they are in a pitched battle. Oh my heavens...

- ❖ **The Sørensen Vaccine & Immodulon** - *In parallel, Birger and Gus use their understanding of the chimeric SARS-CoV-2 to design Biovacc-19, the world-leading vaccine: one likely both to work and not to create autoimmune crises: the reasons why therefore all vaccines that don't follow the Biovacc methodology will likely fail. They pay for Biovacc to pass toxicity trials. Birger books production capacity for millions of doses in Sweden. But for weeks the British medical establishment will not listen. The same experience with **Immodulon** to protect front-line medical staff. It however is bought by Canada. Why so? The false stories of early successes lead to large Big Pharma stock value rises (Moderna in the USA and GlaxoSmithKline in the UK) and at least one insider trading 'ramp' (Moderna) as well as capture of huge sums of public money for free to build factories. By August with QRB-D in pre-print and 'whole spike' candidates showing ineffectiveness, the tide turns and discreetly 'Big Pharma' approaches Birger.*
- ❖ **Going Public** - *After the breakthrough publication of the vaccine in QRB-D in late May, the full story is unfolded through each of the successive papers and through the breaking of the "Moxnes Scandal" in Norway.*

Back to the hunt itself.

The Hunt

The Director of China's only BSL-4 (Biological Security Level 4) bio-research lab, which is at the Wuhan Institute of Virology, is the charismatic **Dr Zheng-Li Shi**, a 55 year old, cosmopolitan (French PhD) virologist and chiropterologist who over the years has undertaken literally millions of dollars of research on genetically manipulating bat viruses for the *US Department of Defense*, National Institutes of Health, USAID, with and for major US universities and especially with an ex-British fellow-traveller, **Peter Daszak**, who brokers vast US grants for her, and emerges in June as a lead western defender of the CCP's preferred 'zoonotic transfer' thesis. '**Z-LS**' is a Fellow of the American Association of Microbiologists. She looks like a classic

embodiment of the tactic by which the PRC sucks out intellectual property and skills from the West. That is certainly part of the Covid-19 story.

The Wuhan Virus was in important part "made in America". The human upper airway tract epithelial cell line (2B4 Calu 3) is one of the key features of this dragon of a chimeric virus as created in 'Gain of Function' work in 2015. It has a mouse-adapted bat backbone - SHC014-MA15 - with 75% human epitopes in the spike, unusually high condensed charge in the receptor binding domain of the spike surface, resulting from inserts, and is optimised to human upper airway cells. These were supplied by the second most important veterinary research laboratory in the USA led by Ralph Baric at the University of North Carolina Chapel Hill; and Dr Shi was right there in the team that built it. By the way, pigs entered the story in 2018 when the chimera acquired a 'dual action' capability that makes it able to enter cells either via ACE-2 and other receptors as per usual but also to 'blast through' cell membrane without using a receptor: hence its exceptional infectivity and pathogenicity. This mode of action reported in QRB-D is one of Sørensen's Nobel Prize candidate discoveries, along with the vaccine mode of action.

There is another important and unwitting earlier US contribution. The Hunters explain the sequence of projects in their Second (aetiology) paper - attached. The formative 2008 experiments in Wuhan when Zheng-Li Shi and her team learned how to express ACE-2 receptors on human cells used the famous 'Lacks Line' of immortal lab cells, available on open access to all virologists in the global commons of science that the PRC systematically abuses. (It is named for the source, a black American woman named Henrietta Lacks who suffered from cervical cancer in 1951.) Realisation that the Wuhan manipulation employed Lacks Line cells may have an explosive implication, namely helping to explain why SARS-CoV-2 is preferentially pathogenic to black people. It is also possible - and still to be ascertained - that 2B4 Calu 3 came from a black donor in N Carolina. This will only be known when in due course the lab records of Baric's team are opened, probably under *subpoena*.

We do not know exactly how the leakage occurred from the Wuhan Institute of Virology although in a research paper that was swiftly 'cancelled' off the Net, two courageous Chinese academics **Botao Xiao** and **Lei Xiao** (fate unknown either) reported powerful circumstantial evidence from fieldwork they conducted in Wuhan, which points to the labs. Later epidemiological research by Harvard epidemiologists, using satellite data and analysis of Chinese web searches, places escape in mid October 2019 in Wuhan. This fits with John Constable's path-finding contact-tracing in the UK which placed credible Index Patients at a Shooting Party in Wiltshire on 23 November. During July the Hunters increasingly came to suspect that Western intelligence is debriefing a high-value defector and after the CCP abrogation of the Hong Kong Basic Law on 2 July, a flow of refugee Chinese experts is beginning to surface in exile, alleging a lab leak.

Once the virus did escape, the PRC initiated a sophisticated, ruthless and subtle Information & Influence Operation, worldwide, to conceal these facts from the very first signs of illness in Wuhan. Two doctors who gave warning disappeared. **Dr Ai Fen**, the Head of Emergency Medicine in Wuhan General Hospital, has 'gone missing'. **Dr Li Wen Liang** died with fear in his eyes, allegedly of Covid 19. Zheng-Li Shi was deployed in early February to swear "on her life" that the Covid-19 virus did not escape from her laboratory. By June it had become certain that Zheng-Li is at the very heart of this story. Hers will be a juicy part for someone to play. **Yuri Deigin**, an achingly smart Russian emigré biotech entrepreneur now based in Canada, and **Bret Weinstein**, a Portland based bio-chemist who runs a web-site entitled "The Dark Horse," together independently saw the **Z-LS/ Daszak** link and Deigin published on the 'web' a scientifically reputable description of some of the insert peculiarities of the SARS-COV-2 virus, notably the furin site absent from other coronaviruses of that clade, but did not see all the picture that Sørensen/Dalgleish see.

Once the Hunters were gathered, the heart of the action in the film tells the story of what they did. The threads of the three dimensions entwine, helix-like. The action cuts back and forth.

1. It **tells how the Hunters delved into the ways in which the PRC exploited open science and designed**

the chimeric virus that became Covid-19, exploiting massive **American** assistance as just indicated. (As an aside, one should add that while some might be political fellow-travellers, notably Peter Daszak, in the main the American microbiologists seem to have been naïve - believing the Chinese 'played by the rules' of 'science above politics' and were played for fools).

2. It **tells how the Hunters worked out who the key Chinese scientists are** (see *dramatis personae*): **Zheng-Li** first came onto the radar simply from reading the key scientific papers. **Major-General Chen Wei**, the PLA's leading biological warfare specialist, walks into the story in late January when she is deployed to Wuhan to take control of response to the outbreak at its height, and thereafter - rather tellingly - to replace the sacked Director of WIV, where she remains, with **Zheng-Li Shi** as one of - if not the - principal assistant director.
3. It **tells how the Hunters uncovered how the PRC set about covering up the ghastly accident of release from WIV**, close to the infamous Huanan 'wet market' which by summer was looking like a classic piece of 'dead cat' misdirection. On the way the Hunters made astonishing discoveries.

These included the fact that in January 2020, the Wuhan Institute of Virology must have **retro-engineered not one, not two but three other viruses** to give credence to the scientific narrative of natural causation, and that the Chinese Intelligence and Propaganda services of PLAN-2 and the MSS then exploited 'Agents of Influence' highly placed in western elites to promulgate that narrative.

4. It **tells of the enormity of the Chinese world-wide Influence Operation** as piece by piece, like in a jigsaw puzzle, the depth and breadth of what they were doing is found and fitted together.

But that is not all. **The film has two parallel stories to tell: stories of both dark and bright discoveries.** There is the detective story of unmasking the chimeric virus. Then there is

an unexpected and heartening twist, because among the Hunters are two world class scientists who are also expert vaccine designers. Recall that these two disrupters, Gus and Birger, had together already been right when the entire medical establishment was wrong about HIV/AIDS.

5. Therefore, as well as finding the truth about the 'engineered' origin of Covid-19, **it tells how Birger and Gus also designed a vaccine using that knowledge.** Then comes the fight to get it into trials and production against 'establishment' friction that was pouring money into ill-founded 'whole spike' vaccine vector models. And that was not all either.
6. The Covid Hunters were also able to give the world **a world-leading cancer drug** which Gus had pioneered. Re-purposed, it **tells how Immodulon can protect front-line medical staff battling the pandemic.** There is another story of frustration, battling bone-headed, box-ticking bureaucrats in the NHS who - as in so many aspects of the British attempt to control the pandemic - were just too stupid to understand what they were offered and too powerful as well. In the event, Immodulon went to Canada for a large front-line staff protection programme and is being developed by one of the shrewdest Big Pharma companies, Merck, in a multi-million licencing deal. (Significantly Merck did not engage in the early rent-seeking of the vaccine frenzy.)

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The 'look' of the film

There is great visual as well as dramatic potential in the telling of this story. It offers iconic sets from London Clubs to the English countryside, from Norwegian mountains - Birger's country house in Telemark is opposite the site of the Norsk Hydro works attacked by the eponymous Heroes in that famous sabotage operation and war film - to bat caves in Yunnan (filmed in Indonesia most probably) and laboratory work in China and the USA.

The Hunt came to be co-ordinated remotely by Gwythian mainly from his bucolic summerhouse deep in the English countryside [see frontispiece and end-piece], with encrypted voice and video-conferences and messages flashing around the world, day and night during many hectic weeks - encrypted because of well-placed fears of CCP hacking. A nice juxtaposition of new and old. This is therefore also a very modern story in gorgeous scenery, in which encrypted communications like SIGNAL, WhatsApp and Protonmail are heroic enablers: because no-one knows how deep Chinese penetration of western agencies has been.

Several of the Hunters look like and are in fact 'British establishment' figures, having worked in and around government at high level for many years, most especially Gwythian, John and Sir Richard; but none are victims of the Stockholm Syndrome that usually afflicts such people. The Covid Hunters are edgy people: *disrupters* to a man and woman, who have built past careers of great distinction by being troublesome and questioning.

This therefore is the story of how, while western bureaucracies and the governments they advised, floundered like buffaloes in mud, a small, nimble network of intellectual 'Special Forces' were able to unlock the Complex Adaptive Systems of a terrible virus that hid some shocking secrets and the mighty networks of the world's most organised authoritarian state.

The film can be in the genre of 'Enigma' crossed with classic spy-thrillers - including a real live 'C' - crossed with medical whodunnits like 'House'. It is the natural successor to 'Contagion' sufficiently different to permit radically new story-lines. With the right actors, screenplay, sufficient budget, production, direction, distribution *and timing*, *The Covid Hunters* surely has all the ingredients of a major hit? I notice that 'Contagion' is now a top hit on Netflix.

Why make this film? Why mention it now?

This proposal is being unveiled to Mr Shamberg now, before the story ends, because, after 'Contagion' not least, he is self-evidently the right Hollywood producer to be given first option

and because there is self-evidently great 'first mover advantage' for the movie that gets ahead of the pack. However, there is an important further motive in ventilating this proposal now; and it needs to be made quite clear up front.

We are in a contest with the PRC to control the narrative. So far, with its network of 'friends of China' it has made the running. In this context we have two advantages over the PRC: *telling the truth* - and the *heft of Hollywood*. Any prospective producer needs to be clear about that.

Dramatis personae

1) The Covid Hunters themselves

Birger Sørensen - One of the two heroes of the film:

Brilliant and eccentric Norwegian peptide chemist and successful vaccine designer who, like James Lovelock or James Dyson in other fields, eschewed a conventional academic career to devote his life to breakthrough thinking in the analysis of viruses and design of vaccines. Now President and Chairman of two vaccine companies. His astonishing brain that visualises amino-acids and his forensic skills with scientific papers were the scalpel which enabled the Covid Hunters to dissect back the layers of chilling secrets of Covid-19 and the scientific aspects of the Chinese cover-up. Worked with Gus for three decades on the design of HIV vaccines. Together – against the entire western medical bureaucratic establishment – they predicted the failure of the three major HIV vaccines. Passionate about Aikido – 6 Dan Black Belt four years ago. His partnership with Gwythian in writing the Three Papers, where Gwythian 'englished' Norwegian English - was one of the core activities in the Hunt for Covid-19.

Angus Dalglish - The other hero of the film: world-leading research oncologist and immunologist, Principal of the Institute for Cancer Vaccines and Immunotherapy. Started his career in the outback in the Royal Australian Flying Doctor Service (qualified pilot) then moved into research on human retro-viruses and is co-discoverer of the role of the CD4 receptor in the progression of HIV to AIDS from which has come all subsequent therapeutic management of AIDS as a chronic condition. Discoverer also of the combination effects of the immunotherapeutic agent Immodulon (IMM-101) with re-purposed 'cancer illuminator' drugs effective against the worst cancers. Thereby became Gwythian's cancer

consultant and placed him on 'off label' trials for IMM-101 and a repurposed 'illuminator' drug. His work with Birger brought Birger into the Hunters. At one point threatened with instant dismissal by the University of London for suggesting that the virus was man-made. Passionate off-shore sailor and petrolhead.

Gwythian Prins - Anglo-Dutch former 'old school' polymathic Cambridge don (officially history, medical anthropology, geo-politics, political philosophy but lots else), latterly at Columbia University in New York and at the LSE. Unable to digest or be digested by the Politics Dept, he left Cambridge to enter the UK Defence Evaluation & Research Agency and NATO HQ. Thereafter Defence Advisory roles including to the Chief of the Defence Staff. Had previously collaborated with all other Covid Hunters in different projects (except BS until this mission), he was the Ghost, fine-drafting all the papers. Lives in the deep westcountry. Passionate fox hunting man. Cancer patient of Gus. Wife an American Consultant Clinical Neuropsychologist in the NHS who comes into the film because it was she who first suggested it.

Richard Dearlove - career secret intelligence officer who rose to become Chief ('C') of Britain's fabled Secret Intelligence Service (MI6) whose HQ is known to billions from James Bond films. Fears no-one across Whitehall and is feared by everyone - a vital quality. Former Master of Pembroke College Cambridge, now Chairman of the Board of Trustees of London University and involved in many companies world-wide. Had been working increasingly intensively with Gwythian on defence and security aspects of Brexit after 2016. His role among the hunters was pivotal once it became clear that we were facing a full-on CCP Influence Operation to shut us down or to taint us. Given his public profile, he took the lead in bringing the work to public attention and behind the scenes, with Gwythian, did battle with the CCP and its western 'agents of influence.' Lives partly in Cambridge, partly in the westcountry. Passionate and accomplished salmon fisherman and skier.

John Constable - descendant of the eponymous landscape painter. Another 'old school', polymathic Cambridge don (poetics, biographer and editor of I.A.Richards, co-discoverer, with the Japanese mathematician Dr Hideaki Aoyama, of the formal mathematical distinction between verse and prose in English). Unable to digest or to be digested by the Cambridge English faculty, he moved to a Professorship at the University of Kyoto for a spell and upon return to England began to research energy economics as an independent scholar. He became Director of the Renewable Energy Foundation and is now the national expert on the economics of 'thin' renewables (wind and solar) and a deep student of system dynamics and fragility in mixed electric grids. He and Gwythian have co-authored one book and are writing another together (*Six Lessons on Energy*). A passionate and accomplished pike fisherman, he lives with his Japanese wife and their children in Constable Country.

'Caroline Bell' - naturally prefers a skeletal biographical note while under a *nom de guerre*. Has in her time undertaken many different forms of paid employment to support her primary passion as an independent scholar and historian. She, like Birger, has no time for modern universities, where the truly creative new thinking no longer occurs. Entirely bi-lingual, she has published books under her own name in French and in English on central aspects of French history. In recent years she entered the Civil Service and worked on strategic aspects of UK/EU relations. Became horrified at the disloyalty that surrounded her, but skilled as a secret agent, she observed and wrote for *Briefings for Brexit/Britain*. A heroine of the struggle against the Establishment 'Fifth Column' working for the EU's interests against their own country. The EU 'remainiacs' - now usually called the 'remainer undead' - have notable intersection with the sinophile agents of influence who work wittingly or not for the PRC.

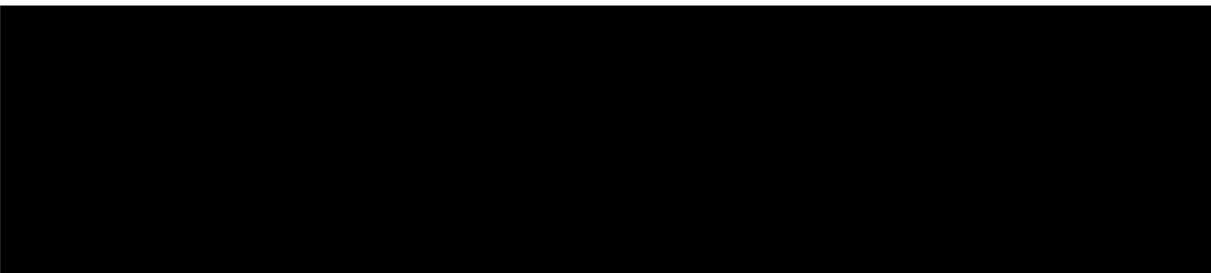
2) Second line characters in the film - beginnings of a list

Andres Susrud - Birger's principal research collaborator

John-F Moxnes - the senior defence scientist in the Norwegian Defence Research Establishment at Kjeller who was cleared to work with Birger on the Vaccine in February, but was then forced in May to withdraw from the project by political pressure when threatened with immediate dismissal and loss of security clearances. The Moxnes Scandal has become a *cause celebre* in Norway; but before that, it was misrepresented by CCP western fellow-travellers as a way of trying to discredit the Hunters and their work.

Zheng-Li Shi - Director of the BSL-4 Laboratory in the Wuhan Institute of Virology and the key Chinese virologist central to all the main research that led both to the creation of the COVID-19 chimera virus - and to the scientific cover-up

Peter Daszak - long-standing Anglo-American fellow-traveller and collaborator of Zheng-li Shi. Deployed to try to rubbish the Hunter's work



Kristian Andersen - An Assistant Professor at Scripps, La Jolla, and the first named author of the infamous 17th March *Nature Medicine* letter which sought to dismiss the hypothesis that Covid-19 was engineered, or that it was a laboratory escapee. This paper was the subject of the Covid Hunter's anatomisation and demolition which [REDACTED] refused to publish.

Major-General Chen Wei - The Peoples' Liberation Army biological warfare specialist who was drafted in to become Director-General of WIV in February 2020

Peng Zhou - WIV colleague of Zheng-Li Chi and lead author of the 'all hands to the pumps' *Nature* paper of 2 February which sought to hide in plain sight the retro-engineering of Bat Virus RaTG13 to align with Covid-19 in order to permit the case to be made that Covid-19 originated in a bat virus - the 'natural causation' narrative that is at the centre of the PRC global Information & Influence operation (IIO)

Yuri Deigin - Russian bio-tech entrepreneur now based in Canada who researched independently and published on the internet many of the odd characteristics of SARS-CoV-2 and RaTG13

Bret Weinstein - American bio-chemist who runs a science public interest 'blog' site named 'The Dark Horse' which publicised Deigin's work

Botao Xiao, Lei Xiao, Dr Ai Fen, Dr Li Wen Liang - Courageous Chinese 'whistle-blowers' who have either died or disappeared

Bengt Nordén - Eminent Swedish bio-chemist, former member of the Nobel Prize committees, Editor of QRB-D who had the courage to resist China appeasement pressures and decided to publish the breakthrough Vaccine Paper

Various Journalists - after the story breaks

