



Now in its 10th year, CfBI continues to expand its portfolio of consortia delivering “collaborative advantage” across Europe, the USA and beyond. Leading companies, government departments, research institutes and industry clusters, participate to derive benefit from accelerated learning, project cost sharing, influencing regulators, designing and promoting best practises, training as well as business development. All this is in the spirit of ‘open innovation’ with the goal of ‘doing more with less’. Read our Headlines below! The hotlinks will help you navigate around this document. Having difficulty reading it? See the [PDF version here](#).

- In 2018, more than [fifty of the worlds’ best companies](#) joined CfBI consortia;
- CfBI now runs nine different consortia focussed on individual fast moving areas of technology and business process and shaped by member requirements. This enables consortium members to get deeper into specific challenges and opportunities;
- Our reach beyond Europe is increasing as members seek to quickly grasp global opportunities in new/unfamiliar geographies;
- Our consortia committed over \$150k to member guided projects at leading universities;
- The [Cambridge Innovation Summit](#) where all our consortium members come together to shape the innovation landscape is now in its 5th year (July 9th 2019. Mark your calendar);
- Our [Microfluidics consortium](#) has launched a ‘Co-Development-Consortium’ to share the risks and returns of a major development project. It has grown to deliver 3 meetings in Europe and 3 in North America each year;
- Our [Nano-Carbon-Enabled-Materials Consortium](#) enters its 7th year with engagement of global leaders in materials technology;
- Our [Medical Adherence Consortium](#) now in its 4th year, has published a position paper, provided input to the OECD and has ambitious plans to expand into adjacent areas of Digital Health;
- Our [Social Media for Business consortium](#) is on ice. But will return!
- Our [Open Innovation meets Big Data consortium](#) working with automotive, financial & telecomms players on opportunities to share/trade data B2B & create net new value;
- Our [Corporate Venturing Leadership Forum](#) is organizing meetings across Europe, comparing practitioner experience, finding best practises and exposing ‘fake news’;
- Our [Additive Manufacturing Consortium](#) is budding out from the Nano-Carbon Enhanced Materials consortium, initially working on novel ways to create electrical conductors;
- Our new [Distributed Ledger Technologies](#) consortium is working on ‘the unintended consequences’ of blockchains.

CfBI is currently investigating potential new consortia including: Cybersecurity; Design Thinking (building on our successful ‘Inclusive Design’ Consortium) and Carbon Capture.

Read on for the next level of briefing about these consortia

Corporate Venturing Leadership Forum (CVLF-2)

As we reach the halfway point in the second year of CVLF the discussions are moving away from theory and are more focused on delivering actions that innovators can take. Our recent event at CERN was no different, boasting speakers from NASA, Swisscom and CERN itself we dissected 'why innovation initiatives fail' and 'what can be done to manage failure within a corporate environment'.



We are constantly learning and always pleased to hear feedback from our events and speakers - one of our delegates commented that a recent talk by Azko Nobel (@ CVLF 2.1) revolutionised how they do innovation and has completely altered their minds. It is comments like this that really bring to life the difference our corporate communities make in the real world.

Whilst we can't promise life-changing events every time, our ['Year in Review'](#) note of the first year's events remains ever popular. As well as highlighting the investments that were made during the year and new cross-company mentoring relationships it is packed full of top-tips. The most popular aphorism, to date, is from our visit to the HighTech Campus in Eindhoven (Phillips and NXP) where HighTech XL said 'We have one strategy it is called: Just doing it'. Click on the link to download the report and let us know what let us know what your favourite is!

Our academic advisor Professor Erko Artio, Professor of Entrepreneurship and Technology Transfer at Imperial College is helping us understand how to bring this together and make these ecosystems thrive.

Our next event is in January in London where we will be tackling the thorny issues of aligning Start-ups, Corporate Strategy and diverse Finance sources to build flourishing ecosystems - I can already see collaboration happening between members in common areas.

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Nano Carbon Enhanced Materials (NCEM-6)

The NCEM consortium helps its members understand and grasp new business opportunities arising from recent findings in nano-carbon (particularly carbon nanotubes and graphene).



With recent members including GE Research (US), Bose Corporation (US), Airbus Space and Defence (UK/F) and Nexans (F) the group makes regular visits to the USA and is involved in R&D bids on both sides of the Atlantic.

As the findings of the Consortium's FP7 [Ultrawire project](#) reach the public domain, our focus is moving towards commercial realisation of the benefits of new nano-carbon enhanced materials. This enables the expansion of the scope of the consortium to include new types of composite materials (eg polymers, non-wovens, inks and ceramics) as well as into new manufacturing processes (such as additive manufacturing).

"I believe that consortia like this are a critical step towards bridging the gap between extraordinary science and products commercialization. We feel privileged to be invited to speak to a group that is interested in doing something as opposed to just talking about something." - Dr Kyle Kissell, Technology Development Director NanoRidge Materials, USA

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Social Media for Business (SMfB-3)

This consortium which has been focussing on profiling/targetting is currently 'on ice' but it will return!

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Open Innovation meets Big Data (OIBD-5)

Driven by member curiosity and needs OIBD- 5 is stretching the original Henry Chesbrough IP trading model of Open Innovation to investigate and grasp a new class of open data innovation where the entity which is traded and embedded is a data rich asset/analytic.

This opens up new business opportunities for monetizing data to create net new value (!) with new business cases and providing evidence based operational decision making, but also encounters new challenges regarding permission, ownership and trust in the face of emerging legislation such as GDPR as well as ethical and perception issues.



The consortium is pushing deeper into applications of its thinking into growing markets such as open banking, smart homes/cities, IoT, connected health and connected cars.

During 2018 we were hosted by Nissan's Research Centres in Cranfield and Paris – and we have an exciting programme for 2019

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Medical Adherence / Digital Health (MA-4)

Now in its 4th year, past and present members of the CfBI Medical Adherence consortium have come from : Academy of Medical Sciences, AstraZeneca, GSK, ICON plc, KCL, NICE (as observer), Omnicell, Philips, Royal College of Physicians, Grunenthal Pharmaceuticals, Tunstall, UCL, GSK, Vodafone and Walgreens Boots Alliance. Sensitive to the constraints under which member companies operate, this consortium works at a strategic level to address the trillion dollar problem which arises because patients do not always follow the advice of their healthcare practitioners.



Consortium members have published a position paper: "Encouraging adherence initiatives: aligning individual, commercial, and social value" which has been presented at senior levels to policy makers and other opinion leaders. This is available on the consortium website: <http://madhconsortium.org/>. A peer reviewed paper on the practical measurement and reporting of adherence in clinical trials is in the process of being published.

The group has recently worked with the OECD considering national level indicators for adherence and has started to consider themes related to digital health as it supports adherence and patient engagement. We will be hosted by Swiss Re in Zurich on March 4/5

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Microfluidics (MF-10)



With the mission to grow the market for Microfluidics enabled products and services, CfBI's largest consortium continues to expand around the world as exciting new applications for microfluidics (aka lab-on-a-chip) in areas such as personalized medicine, genomics, synthetic biology and DNA read/write become economically viable.

Members of the Consortium have recently launched a new initiative the 'ParticleGEN Co-Development Consortium' to share the risk and return of developing a revolutionary piece of processing equipment targeting 'ton-a-month'. In the coming year MF-10 will visit: California (Stanford Feb 11; Riverside Feb 12), Cambridge (UK) April, Boston 25/26th June and Switzerland Autumn to align with MicroTAS



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Additive Manufacturing Consortium (AMAM-1)

This consortium is growing out of the Nano-Carbon Enhanced Materials Consortium which launched in Barcelona earlier in the year. It builds on doctoral work supervised by Bojan Boskovic in recent years as well as H2020 projects. Initially it focuses on the printing of nano-carbon loaded inks to make electrical conductors in novel formats – including electrodes for microfluidic devices. From this point it will expand into a wider range of functional additive manufacturing opportunities including 3D printed conductive polymer and metallic parts for aerospace, automotive, energy and medical applications.



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Distributed Ledger Technologies (DLT-1)

With a significant number of the world's largest corporates, from miner's, through utilities to financial giants taking positions and making significant investments. CfBI are pleased to announce the launch of their latest (10th) consortium group, focussing on Distributed Ledger Technology/Blockchain.



This consortium is being led by Adam Swash and advised by Geoff Goodell from UCL Centre for Blockchain Technology. We have had great interest from across industry: Beauty, Banking, Engineering, Transportation Utilities and Food and our inaugural meeting will take place in January 2019.

Founder members are focussing and experimenting in four strong potential areas:

- Provenance, Auditing and Compliance: learning from the emerging examples of creating trust in the supply chain and wider systems
- Smart (auto-executing) contracts often in the financial arena, dealing with counterparty risk e.g. factoring. Investigating how to be mindful of the legal framework and dispute resolution issues this creates.
- Decentralised Markets: ecosystems of buyers and sellers with little/no intermediary (the 'Amazon/Ebay/Uber' killer). Are there opportunities for new markets or are you next on the 'hit list'?
- Payments, and potentially in the future micro-payments, Not only bitcoin but potentially the enabler of the entire DLT economy

Is this an area your organisation is working on? Would you benefit from CfBI's tried and tested peer learning network to accelerate your learning and unlock the power that these technologies might bring as they mature and are applied over the next 10 years?

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Cambridge Innovation Summit



Set in the beautiful surroundings of Trinity Hall Cambridge in 2018 the Cambridge Innovation Summit attracted members from 11 countries including USA, Australia, Singapore and Japan. World class speakers from Apple, Illumina, Microsoft and Facebook helped to stimulate round table debates for an invitation only audience of consortium members eager to share their ideas and challenges in the innovation landscape, beyond the individual consortia they have been working on in private through the previous year. On July 9th 2019 we will grow this blue chip invitation only event which is already has its own ecosystem. Members of CfBI current consortia can participate free of charge.

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I'm interested, how do I get involved? Please visit www.cfbi.com or contact ceo@cfbi.com ++ 44 [1223 850173](tel:1223850173). For an initial discussion.



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