

Soon entering 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!!

- In 2017, 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 address global opportunities and new/unfamiliar geographies.
- Our consortia have now committed over \$150k to research at leading universities.
- The [Cambridge Innovation Summit](#) where all our consortium members come together to shape the innovation landscape is now in its 4th year (mark your calendar for July 11 2018!)
- Our [Microfluidics consortium](#) is expanding into new opportunities for Organ on a chip as well as DNA read/write. It now delivers 3 meetings in Europe and 3 in North America Each year
- Our [Nano-Carbon-Enabled-Materials Consortium](#) enters its 6th year with engagement of global leaders in materials technology
- Our [Medical Adherence Consortium](#) is now in its 3rd year with ambitious plans to expand into adjacent areas of Digital Health.
- Our [Social Media for Business consortium](#) is funding work at the University of Cambridge to test the latest thinking about profiling and precision dialogues on real data.
- Our [Open Innovation meets Big Data consortium](#) is working with automotive, financial and telecommunications players on new opportunities to monetize data/analytics
- Our [Corporate Venturing Leadership Forum](#) is organizing meetings across Europe, finding best practises and exposing ‘fake news’
- Now in its fourth year Our [Inclusive Design consortium](#) together with the Engineering Design Centre in Cambridge has funded add-on features of its successful Exclusion Calculator development project to give its members strategic advantage by growing the market for their products;
- 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 [Circular Economy Consortium](#) seeks to turn theory into action and looks to **help** implement new circular economic models for growth with ambitious members..and we have a new mobile-friendly, secure and [GDPR compliant website](#).

CfBI is always investigating potential new consortia including: Transatlantic Technology Transfer; Implications of Cryptocurrencies, Future of Insurance and Marketing Disruptive Products.

Read on for the next level of briefing

Corporate Venturing Leadership Forum (CVLF-1)

Since the inaugural event in July 2017, CVLF has gone from strength to strength with over 20 attendees to our meeting at the Nissan Research Labs in Paris in October and 25 across the two centre event in London more recently.

The CVLF consortium is focussing on innovators in large corporates who are engaging with other companies and start-ups to bring in new innovation, tackle disruption or access new markets. Members are looking at many relationship models, including incubators, accelerators and digital ecosystems. Our members are commercially driving and engaging to find solutions that deliver significant corporate benefits, both furthering corporate strategy and also delivering tangible financial goals.



Our focus is on three critical areas which cause friction for members:

- Overcoming conflicts of interest when you invest in a start-up/SME
- Leveraging cultural differences to create a 'curious company'
- Corporate to Corporate Partnerships to tackle BIG problems

Our recent events have boasted speakers from a broad perspective: Corporate Venturing Legends, Academia, the UK's Fintech Envoy, world leading Accelerators and amazing case studies from: automotive, telcos, engineering, insurtech and more.

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

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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)

Now in its 3rd year and having recently visited member sites in Munich, London, Paris and Amsterdam, this consortium is seeking to leverage the global awareness and uptake of social and adjacent digital media to improve the impact of dialogues in marketing, customer communications, team building, risk assessment and beyond. Our approach is driven by scientific evidence – not agency speak.



Impressed by the work of Professor David Stillwell at the University of Cambridge, the SMfB-3 consortium is funding development work to enable members to apply these cutting edge techniques in private, GDPR compliant and ethically designed ‘sandpit’ experiments using real data for example to profile individuals based on their social media activity, preferences and use of language. This has been shown to enable: selection of communications strategies with increased impact; build teams which are better at working together; identify individuals who might make good team members or highlight risks to an organization. This work gives members proprietary access to advanced techniques not available to their competitors while contributing to cutting edge research.

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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 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.

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

We will be hosted by Nissan’s Research Centres in London and Paris in the first half of 2018

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Medical Adherence / Digital Health (MA-3)

Soon to enter its third 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, Teva Pharmaceuticals, Tunstall, UCL, Smith and Nephew, Vodafone and Wallgreens 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.



The group is currently focusing on:

- economic sustainability of adherence initiatives: a consensus position paper looking at the causes of failure in the adherence 'market' will be in the process of being launched to a wide audience.
- improved measurement and reporting of adherence in clinical trials: an initial 'opinion piece' written by consortium members has been published by Nature Reviews Drug Discovery. The group is now preparing a peer reviewed paper that discusses practical considerations and recommendations for the effective measurement and reporting of adherence in trials.

The group is now considering how it might extend its thinking into the adjacent world of digital health and has started scoping a work stream in this area.

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Inclusive Design (ID-3)

Through its close links with the Engineering Design Centre at the University of Cambridge, CfBI has brought together leading researchers and practitioners to deliver a third one-year consortium programme (ID-3) where companies learn together, sharing experiences and receiving practical support for this major new business opportunity to develop 'senior friendly' products and services.



In 2016 ID-3 members included: BT, Nestle, Proctor and Gamble, Stora Enso, Reckitt Benckiser, Smith and Nephew and Transport for London.

During this year consortium members funded a new project to specify and deliver enhanced versions of the EDC's Exclusion Calculator in both Excel and online forms. The Calculator enables designers to formally assess the demand required to carry out a task (e.g. unwrapping a product, getting onto a bus) across a full range of human abilities, including vision, hearing, cognition, reach and dexterity and mobility. It uses a unique dataset which captures the occurrence of multiple capability impairments across the UK population. Members benefit from a licence to use the calculator to measure the usability their own (and their competitors) products by older people.

ID3 members quickly earn back the cost of participation through increased sales and/or reduced costs of their first Inclusively Designed product.

Inspired by this success the consortium is discussing new opportunities to benefit members through inclusive design.

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Microfluidics (MF-9)



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.

Driven by member needs, in 2017 we have grown 'cadet' communities of researchers and early stage companies in San Francisco and Boston areas.. These are synergistic with our members who are seeking latest technology insight, venture investments, new-hires and deals. We plan to expand these to become the leading global ecosystem for our industry.



Following our recent visit to San Jose, in the coming year MF-9 will visit: Paris (March 22 & 23); Boston and Montreal (June 26 & 27).

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Additive Manufacturing Consortium (AM-1)

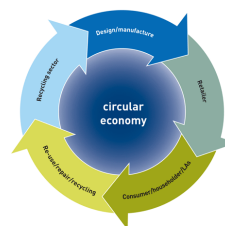
This consortium is growing out of the Nano-Carbon Enhanced Materials Consortium. It builds on doctoral work supervised by Bojan Boskovic in recent years as well as H2020 projects. Initially it will focus on the printing of nano-carbon loaded inks to make electrical conductors in novel formats – including electrodes for microfluidic devices. From this point it will expand into a wider range of functional additive manufacturing opportunities.

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Circular Economy Consortium (CE-1)

Driven by member interest, our new Circular Economy Consortium will help participants: build business models for sustainable growth; articulate winning value propositions, drive forward innovation, develop a value ecosystem and plan for transition or transformation of their organisation. Prior to formal launch in the summer, we are currently scoping the work of the consortium in the upcoming year - drawing on consensus of member needs. There is still time to influence this process!



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Cambridge Innovation Summit



Set in the beautiful surroundings of Emmanuel College and the Old Hall in Queens' College in 2017 the Cambridge Innovation Summit attracted members from 9 countries including USA and Japan. World class speakers from HP, GE Fastworks, IBM , BASF and Amazon 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 11 2018 we will double the size of this blue chip invitation only event which is already growing 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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