

Bionow Newsletter



Bionow News & Events

The latest Bionow News and upcoming Events



MEMBER

Bionow is delighted to welcome six new members

We look forward to working with:

Lockton Companies LLP | NunaBio Limited | MolGen UK | University of Salford | Tarleton Communications | Diagnostics NorthEast

Our members are at the heart of what we do and by joining Bionow and working together we can achieve more. Bionow members have access to a fantastic range of benefits and services to assist with being globally competitive, delivering world class innovation and inspiring the next generation. Become part of our community!

Join Us



Partner Snapshot: Air Liquide

Air Liquide is a Bionow Preferred Partner for compressed gases and dry ice.

Bionow members can save up to 40% compared to list price!

Air Liquide is a world leader in gases, technologies and services for Industry and Health. Oxygen, nitrogen and hydrogen are essential small molecules for life, matter and energy. They embody Air Liquide's scientific territory and have been at the core of the company's activities since its creation in 1902.

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Meet the Member: YSDS

YSDS offer unique logistics solutions, helping to simplify complex shipments. They specialise in the shipment of temperature-controlled packages and dangerous goods both nationally and internationally, offering free consultation on each enquiry for BioNow members.

What makes YSDS different?

- GDP compliant logistics for all life sciences including pre-clinical/clinical samples, cell and gene therapy and pharmaceutical supply chains.
- A Client Success Manager dedicated to your account giving you a single point of contact for all your enquiries.
- True, personal level understanding of your needs, offering you tailored solutions for temperature and time sensitive shipments.
- Proactive assistance from our expert operations team, giving you recommendations and options to mitigate risks should they ever arise.
- Timely and effective response, without queues or delays.

For any enquiries please reach out to the YSDS team on info.uk@ysds.com or call **0113 873 0098**. Alternatively find them online at [YSDS.com](https://www.ysds.com) and follow them at [YSDS | LinkedIn](#)

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Bionow Members Virtual Coffee Break Online

Thursday 17th August 2023

It's the summer holidays! No conferences - do you fancy some networking? What better way to stay connected than with a coffee and chat from your laptop.

Virtual Coffee Breaks offer the chance to take and break and have a chat with fellow members - just register, grab yourself a coffee and login.

Join us at 11am!

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Cybersecurity for Life Sciences: Managing Risks & Busting Myths Online

Wednesday 13th September 2023

Learn how to protect your company from the latest cyber threats. In this webinar, Bionow partner Mitigo Cybersecurity will bring to life the attacks that are hitting the biomedical and life sciences sector and give a view of what it takes to become protected.

Cybercrime is a major threat to all organisations regardless of size. In partnership with Mitigo, we are keen to support companies to build resilience against cyber-attacks. This **FREE** 1-hour webinar will provide some key takeaways to help your company manage risk and stay safe.

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bionow

Biotech & Beers at Alderley Park The Churchill Tree

Wednesday 20th September 2023

Biotech & Beers returns to the Churchill Tree at Alderley Park after Bruntwood SciTech's Suppliers Fair Event.

Join Bionow and Bruntwood SciTech for an agenda-free networking evening which provides opportunities for key people from companies working in or with the life sciences sector to network and socialise with their peers in an informal setting over a drink or two, it's a chance to network with others.

Join us from 3.30pm onwards

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Inaphaea Biolabs Launch MediCity, Nottingham

Tuesday 26th September 2023

Inaphaea BioLabs and Bionow invite you to Inaphea Lab Launch Event. The tour will include the recently acquired assets from Imagen, which are currently being moved to the Inaphaea BioLabs facility in their Nottingham Labs at MediCity . There will be opportunities for a tour of the new laboratories, expanding your network over a buffet lunch, as well as a talks from Scientific Experts.

The event will run from 12.00pm - 5.30pm

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BioCap 2023 Alderley Park Conference Centre

Thursday 28th September 2023

Whether you're looking to invest in the next cutting-edge life sciences innovation or seeking funding and investment opportunities for your business, BioCap is not to be missed!

BioCap features three great opportunities for potential investors and investees to interact:

- Digital Pitching Competition: Shortlisted applicants “pitch” to an online panel of investors
- Investor Dinner: Build valuable connections ahead of the conference.
- BioCap Conference: A full day of networking, panel discussions, keynotes and 1-2-1s

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Pitching & Pizza The Biosphere, Newcastle Helix

Thursday 26th October 2023

Bionow and The Biosphere will be co-hosting a Pitching & Pizza networking event for companies operating in the life science and biomedical sector.

The event is not only a great opportunity to present to the life science and biomedical community but also gives companies a unique chance to hear about the latest technologies and innovations available from some of the leading companies in the North.

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Oncology & Precision Medicine Conference Alderley Park Conference Centre

14th-15th November 2023

Following the success of 2022's events, the Oncology Conference and the Precision Medicine Conference is BACK and running on two consecutive days.

Join Bionow, expert speakers and industry colleagues to discuss the current oncology landscape on day one and the future of precision medicine on day two.

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Maximise your membership with Bionow

Are you making the most of Bionow's [business support services](#)?

Bionow provides **specialist business support** to our members, whether that's via the **Bionow Purchasing Scheme** or through the many other ways which we can support your organisation. We also provide a platform for you to promote to and engage within the life sciences community, by enabling you to take advantage of specialist partnerships, exclusive benefits, and tailored business initiatives.

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If you would like to be involved with Bionow Events we would **love to hear from you.**

[View Bionow Events](#)



News

Keep up to date with Bionow Member, Partner and Sponsor News



Mitigo Cyber Q&A: The Importance of Independent Assurance

In this 8-minute Q&A, Mitigo's Lindsay Hill and Kerrie Machin discuss why you must get independent assurance to tackle your cyber risk and enable you to sleep at night.

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Host a BBSRC DTP intern

The University of Manchester is recruiting companies from ANY SECTOR to take on professional internship placement (PIP) students from their BBSRC Doctoral Training Programme for 3 months from September 2023.

The programme is FREE to those who take part and

enables participants to establish employment and collaborative links with a world-class academic institution.

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University of Huddersfield to lead £1.75m project to transform textile waste into recycled plastics

Dr Chenyu Du, a Professor in Biochemical Engineering within the School of Applied Sciences at the University of Huddersfield is to lead an innovative new project following the award of a substantial £1.75million research grant from the UK Research and Innovation's Engineering and Physical Sciences Research Council (EPSRC) and Biotechnology and Biological Sciences Research Council (BBSRC).

With key input from academic and industrial partners, the Huddersfield-led project will adapt two innovative processes to the recovery of polyester and cellulose from mixed cotton and polyester fibres.

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Bruntwood SciTech receives planning approval for £60m specialist labs in Manchester Science Park's third masterplan phase

Progressive plans for the next phase of Manchester Science Park's masterplan development have today been approved by Manchester City Council. The scheme will see Bruntwood SciTech, a 50:50 joint venture between Bruntwood and Legal & General, deliver a £60m redevelopment of the Park's existing Greenheys building, bringing forward 131,000 sq ft of highly specialist world-class lab space.

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Work begins on £61m expansion of NETPark

Led by Durham County Council, the development of phase three of The North East Technology Park (NETPark) at Sedgefield has begun, after Kier was chosen to deliver the project. The county council is funding the expansion of the park with support from the North East Local Enterprise Partnership (North East LEP).

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Life Sciences consortium celebrate collective multi-million Biomedical Catalyst 2023 Innovate UK

Newcastle based Life Sciences and Biomedical businesses, LightOx, NunaBio, Magnitude Biosciences and Hexis Lab are celebrating securing several grant awards amounting to over £2.5million from Innovate UK's latest round of R&D grants.

Innovate UK provides the UK's most innovative companies grant funding to help accelerate their growth and leverage private sector investment in the region. Through the support of advocates such as Labour's Shadow Science MP Chi Onwurah, the region is able to demonstrate its capability and excellence in commercialising scientific breakthroughs.

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Northumbria University academic awarded with six figure funding to improve cancer diagnosis and treatment

Dr Prashant Agrawal has been awarded a New Investigator grant of £470,000 by the Engineering and Physical Sciences Research Council (EPSRC) to research a new technique for sorting miniscule particles by size, density and their physical properties.

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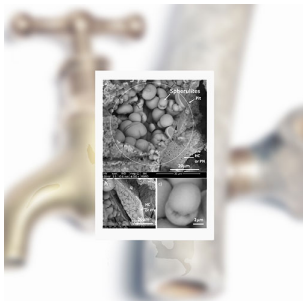


DLA Piper launch their 2023 Global M&A Intelligence Report – Life Sciences Supplement

In June, the DLA Piper Life Sciences sector team launched the new Life Sciences supplement to their 2023 Global M&A Intelligence Report.

This report offers valuable market insights into the 2022 life sciences M&A deal landscape, complementing the 2023 global M&A intelligence report, which is now in its ninth edition.

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Spherulitic lead calcium apatite crystals shed new light on phosphate dosing

Small amounts of phosphate are added to tap waters in the UK to prevent lead leaching from lead water pipes via a process known as phosphate dosing. But scientists are not certain how this works and there may even be more than one mechanism.

Now, a recent discovery from a team of scientists led by the University of Huddersfield, in collaboration with Yorkshire Water, has suggested the presence of certain organic molecules in tap waters could play an important role in the process.

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SRG's report reveals STEM salaries are on the rise while pay inequities worsen

A recent survey from STEM recruitment experts SRG and New Scientist reveals increasing salaries and worsening pay inequities across the global STEM industries.

While our survey shows that average salaries across the scientific sectors have risen in the UK (13.1% increase), Europe (18.7% increase), and North America (5.5% increase), the gender and ethnicity pay gaps remain significant hurdles to meaningful pay equity in STEM.

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Biomatics awarded Innovate UK grant to develop Homomorphic Encryption solution

The Biomatics team will be using the grant to provide secure and confidential zero-knowledge data collaboration spaces as a service, using homomorphic encryption technology.

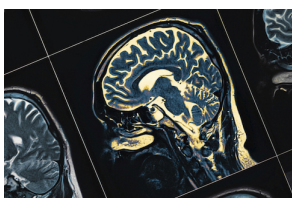
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Biosynth further strengthens peptide business with acquisition of Cambridge Research Biochemicals

Biosynth, a supplier of critical raw materials to the life science industry, announced that it has acquired Cambridge Research Biochemicals (“CRB”), a leading independent producer of custom-made peptide and antibody tools, based in the UK and supplying researchers in the pharmaceutical, life science and academic sectors.

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PharmaKure and APIS Assay Technologies sign collaboration for the development of Clickmers related to neurodegenerative diseases

PharmaKure and APIS Assay Technologies Ltd have entered into a collaboration to progress a development project for the use of Clickmers for highly selective detection of biomarkers associated with Alzheimer's disease (AD). Clickmers are single-stranded DNA oligonucleotides modified with Nobel prize-winning Click chemistry.

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Information

Product and service information, blogs, funding rounds, reports and more from our Members and the wider life science sector



Liverpool City Region set to gain 4,000 jobs as the UK's second Investment Zone

This investment in the city region's existing Speke Pharma cluster – home to one of the UK's leading regions for bioprocessing – is the first step in unlocking a total pipeline up to £320 million of further private funding from a range of investors in the life sciences sector, helping to deliver over 4,000 jobs in the region over the next 5 years.

Backed by £80 million in government funding, the Investment Zone will benefit from a range of interventions which could include skills, infrastructure and tax reliefs, depending on local circumstances – with the potential to make the Liverpool City Region a pharmaceutical production superpower.

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Department for
Science, Innovation
& Technology

Game-changing fund opens in UK to boost science & tech research

We are seeking lead applicants with a clear vision to grow a new venture from the ground up and deliver high impact research in a new way. The Catalyst is opening for bids of up to £100,000 in 'seedcorn' funding to allow researchers to develop full plans for their proposed ventures.

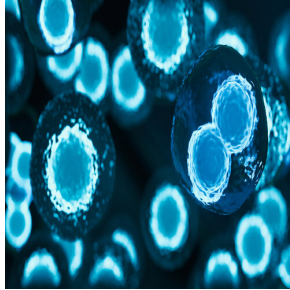
Eventually, it will deliver up to £50 million of investment, backed by government with additional private and philanthropic co-investment.

An applicant Q&A session will take place on 14th August & 13th September. You

can register your interest to join the session [here](#).

Deadline for applications: 23rd October 2023 at 23:59pm

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The stem cell field: activity, and protecting stem cell products, methods and consumables in Europe

On 27th June 2023, Magdalena Zernicka-Goetz was awarded the Ogawa-Yamanaka Stem Cell prize for her work in determining the mechanisms that drive mammalian embryo development through the creation of in vitro 3D models. These models, which develop brain structures and a beating heart, appeared in Nature's list of "Seven technologies to watch in 2023."

Magdalena's recent work, involving culturing and studying human embryo models in vitro until day 14, resembles the natural embryo as gastrulation begins and are important in understanding early pregnancy, which can help in understanding why approximately 60% of human pregnancies fail before or after implantation.

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Life science logistics experts Biocair provides advice on mitigating risk in the cell and gene therapy supply chain

Life science logistics requires complete visibility, expertise and reliability due to the sensitive nature of the time- and temperature-sensitive materials in transit. Biocair is a leading pharmaceutical, biotech and life science logistics provider with over 35 years of experience. Over the past couple of years, the business has invested heavily in cell and gene therapy logistics, ensuring potentially life-saving, personalised medicines reach the end patient in a secure and timely fashion.

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Is metformin the key to anti-aging?

By 2050, it is estimated that one quarter of the global population will be over 60 years old. That threatens to be a huge burden on healthcare systems trying to treat age-related diseases. But what if we could “treat” ageing itself to prevent these diseases occurring in the first place?

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Innovation Industries: The hot topic in global life sciences merger control

Overview

Mergers and acquisitions in innovation industries, and in particular in the life sciences sector, have experienced increased regulatory scrutiny and public debate in recent years. 2022 was marked by the whirlwind of regulatory and legal activity arising out of regulators contesting Illumina, Inc.’s acquisition of GRAIL, Inc. in two key jurisdictions, the European Union and the United States, shining a light not only on theories of harm in life sciences mergers but also on the European Union’s jurisdictional approach to mergers in innovation industries.

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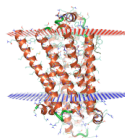


Bi-weekly Blog: Discussion - The EU Product Liability Directive and its relationship with the MDR and IVDR

[What is the Product Liability Directive and why it is important](#)

The Medical Device Regulation (MDR) and the In Vitro Diagnostic Regulation (IVDR) reference several other directives and regulations. One such directive is the Product Liability Directive (PLD) [1]. Published in 1985, the PLD is a well-established mechanism for ensuring that manufacturers shall be liable for damage caused by a defect in their product. There are two important updates currently under consideration within the EU that could impact medical device manufacturers and patients alike.

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Gain insights into membrane protein complexes using Molecular Dynamics simulations in Flare™

Why run Molecular Dynamics simulations in Flare?

Flare removes the technical barriers of command-line interfaces and allows users to set up molecular systems using intuitive dialogs and the 3D viewer. Users can monitor their system throughout the set-up process using the 3D viewer and modify parameters using simple textboxes and dropdown menus.

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bsi.compliance
navigator

Bi-weekly Blog: Discussion - Ethical and trustworthy Artificial Intelligence

The application of the AIA is expected to have a global effect as it has a horizontal applicability across industries, it covers all providers and users where the output of the AI system is used in the EU, and standardization creates harmonization increasing business opportunities for large markets such as the EU.

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Breaking biofilms: Translating biofilm research into new strategies to treat and prevent biofilm-associated infections

The enormous medical and environmental challenges that biofilms cause is widely discussed and researched. Over the last two decades the biofilm field has grown considerably¹ and new therapeutics containing mechanisms that maintain and disrupt bacterial communities, particularly in the wound care and implantable space (stents, catheters), are entering the market, although progress is being made more is needed to tackle this developing global health threat.

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Large amounts of capital still to be deployed in life sciences sector

Private equity buyouts in the UK healthcare sector including life sciences increased 14%* in Q1 2023 and remain ahead of pre-pandemic levels, even in the face of economic headwinds. With high levels of capital available to be deployed, its expected private equity interest will continue to be elevated, says RSM UK.

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EPSRC Health Technologies Strategy Launch Events

The EPSRC healthcare technologies strategy identifies challenges that can be addressed through research in engineering and physical sciences.

The challenges are:

- improving population health and prevention
- transforming early prediction and diagnosis
- discovering and accelerating the development of new interventions

The events will take place across the UK including Edinburgh (7th September) and Belfast (September/October tbc).

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Excellent Protective Gloves for Tough Experiments

Tear-resistant gloves with a 'touch feeling formula' that protect against dangerous chemicals and micro-organisms, cleaning agents, and disinfectants. Suitable for general lab, pharmaceutical, professional cleaning, and food use, as well as for users with sensitive skin or a diagnosed latex allergy.

Key Features:

- Latex free
- Disposable
- Tear resistant
- Ambidextrous with roll edge
- Indigo blue
- Single use

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All the latest from the life science sector

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Recruitment

Check out the latest job opportunities

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[Bionow Preferred Recruitment Provider](#)



Members of Bionow can post their current job vacancies directly to the Bionow website free of charge.

A leading science, clinical and engineering resource consultancy with a difference.

<https://bionow.co.uk/jobs>

For further information contact the Bionow team.

Contact the SRG team:

Behruz Sheikh (North West & Yorkshire)

Matthew Garner (Northern Region)



Click here for the latest job opportunities

Job Opportunities

Corporate Patron and Sponsors

A collection of logos for corporate patrons and sponsors, including AstraZeneca, Durham University, Keele University, Newcastle University, University of Leeds, The University of Manchester, University of Liverpool, Lancaster University, The University of Sheffield, bruntwood SciTech, Alderley Park, The Biosphere at Newcastle Helix, CHUBB, and QIAGEN.



Events

Upcoming Sector Events



Newcastle University Strategic Leadership MSc information session



Thursday 3rd August 2023
Online

Join us for a programme information session to discover more about Newcastle University's Strategic Leadership MSc.

Dr Nicola Patterson, Degree Programme Director, will talk you through the details of our flexible, work-based programme's benefits, structure, delivery and support, entry requirements and impact on your career and organisation. The Newcastle University Business School Programme Team will provide information about the financial support available, including scholarships.

REGISTER



Optimizing Oral Bioavailability and Translating Formulation Advances for Clinical Success

Catalent



Cresset Webinar: Using Hit Expander and QSAR to design and score new ligands in silico



Thursday 17th August 2023
Online

In this webinar we present a case study using Hit Expander to design a new library of analogues, and subsequently predict the relative binding affinity of each analogue against our target protein. Results are cross-validated using predictive features, such as QSAR, within Flare – the combination of which gives the scientist more confidence in the potential of their results before spending precious resources conducting time-consuming SAR experiments. This approach can thus facilitate hit and lead optimisation in drug discovery projects.

REGISTER



University of Warwick and Cresset Drug Design Roadshow

Tuesday 29th August 2023

Medicon Valley Alliance, Copenhagen

Oral solid dosage forms remain a preferred option for many pharmaceutical drug developers. However, their successful development and manufacture still present several unique challenges and opportunities. This event brings together pharmaceutical experts to discuss such challenges and offer solutions for improving bioavailability, applying different pharmaceutical technologies for dosage form designs, optimizing manufacturing, and accelerating progression to the clinic and on to market success. Experts will offer insights into enabling formulation technologies including lipid based formulation and solid dispersion, and share approaches to transitioning from preclinical toxicology to a viable formulation in the clinics in an accelerated pathway.

REGISTER



Are you hosting conferences and digital events? Would you like Bionow to assist with the promotion of these events?

Contact the Team

View the latest events here

View Events



6th-7th September 2023
University of Warwick, Coventry

This two-day interactive event will encompass several areas within the field of computational chemistry, and will provide a flexible learning platform for attendees to experience Creset software. Wednesday 6th September will host a series of lecture style sessions, followed by hands-on software workshops on Thursday 7th September.

REGISTER

Bionow supports business growth, competitiveness and innovation within the biomedical and life science sectors across Northern England. Our membership service adds value and cost-efficiency to scientific, clinical and business operations within early stage and growth-oriented firms.

Contact us:

www.bionow.co.uk | info@bionow.co.uk

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