



Central Biotechnology
Services

Gwasanaethau
Biotechnegol Canolog



APRIL 2019 NEWSLETTER

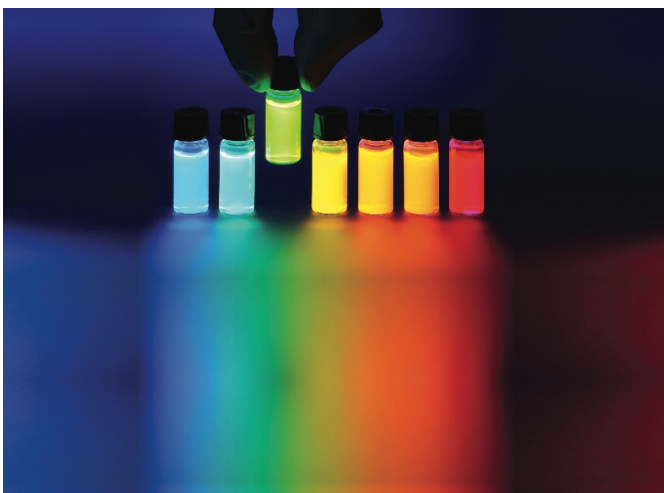
Remember the power of microarrays!

New microarrays from Affymetrix (now Thermo Fisher) that detect gene, exon and splice variant expression can be a quick and cost effective alternative to RNA-Seq. Microarrays can be the best choice if you are at the discovery stage of your research, maybe wanting to evaluate low input samples or low abundance transcripts, prior to using more targeted technologies such as qPCR.



Microarrays can also be the best choice if your RNA quality is compromised. Applications include supporting FFPE sample analysis, rare transcript detection and differential gene expression analysis. Click [here](#) to understand more about choosing the right technology for your research. [Contact us](#) or come and talk to us to learn how microarrays can help YOUR research.

BD Multicolour Flow Cytometry Seminar Day



Book now to come to our educational seminar day on multicolour flow cytometry on Wednesday 1st May. This is a free event - including a free lunch! Click [here](#) to see the seminar day agenda, details and to book your place. Join the seminar to discover wide-ranging approaches in panel design and multiomic analysis. Click [here](#) for an overview of multicolour flow cytometry.

Did you know that we have a TissueLyser II homogeniser that you can use? The TissueLyser II is

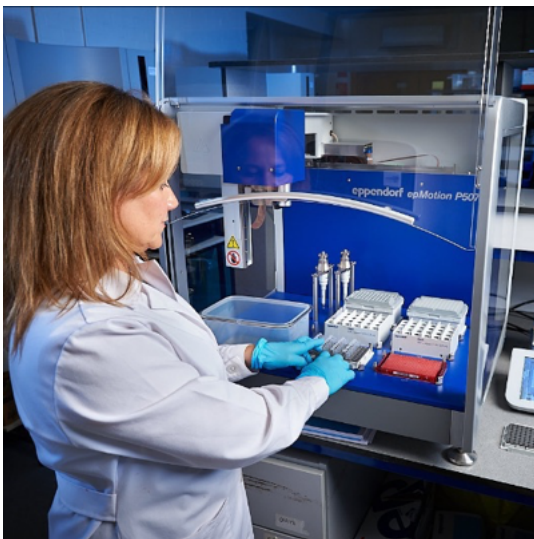


a flexible bead mill designed for the rapid and efficient disruption of up to 48 samples at the same time. Each sample is simultaneously disrupted and homogenised by high-speed shaking with a bead in a sealed tube (bead milling). There is no cross-contamination during sample disruption as each tube is securely sealed with its own lid.

[Contact us](#) to find out more about using this time-saving equipment.

Our qPCR facility has moved

Our qPCR facility has now moved from the BARRI building to the basement of the Henry



Wellcome Building. Remember that we have an Eppendorf epMotion P5073 liquid handling robot housed in our qPCR facility that can make your dispensing quicker and more accurate. This robot is a flexible system for automating any time-consuming and complex pipetting procedures and helps you to eliminate manual pipetting errors and maximizes the reproducibility of your assays. [Contact us](#) today to learn more.



Thank you to the many of you who attended our recent seminars and training sessions including on flow cytometry, FlowJo software, Nanostring and MSD technologies. Please contact us for any further information and watch our [website](#) for details of further events.

We are an ISO 9001:2015 certified not-for-profit Cardiff University Technology Facility providing access to life sciences research equipment and methodologies, with a focus on Cell Analysis/Imaging, Genomics/Bioinformatics and Proteins/Diagnostics.

We welcome customers from Cardiff University, other academic institutions and industry. We are all based at the Cardiff University Heath Park campus, mainly in the Henry Wellcome Building.

[Visit our website](#)

[Equipment booking link](#)

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Gwasanaethau Biodechnoleg Canolog Prifysgol Caerdydd

[Gweld yr ebost hwn yn eich porwr](#)



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CYLCHLYTHYR EBRILL 2019

Cofiwch bŵer araeau micro!

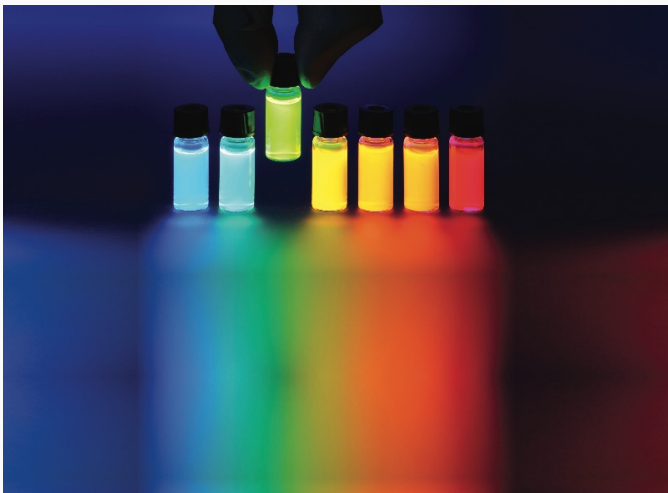
Gall araeau micro newydd gan Affymetrix (Thermo Fisher bellach), sy'n canfod mynegiant amrywiad genyn, exon a sbleisio, fod yn ddewis amgen cyflym a chost-effeithiol i RNA-Seq. Mae'n bosibl mai araeau micro yw'r dewis gorau os ydych chi yng ngham darganfod eich ymchwil, ac eisiau gwerthuso samplau mewnbwn isel neu swm isel o drawsgrifiadau cyn defnyddio technegau mwy penodol megis qPCR. Araeau micro yw'r dewis gorau hefyd os oes perygl i ansawdd eich RNA. Maent yn cynnwys cefnogi dadansoddiad sampl FFPE, canfod trawsgrifiad prin a dadansoddiad mynegiant genynnau gwahaniaethol. Cliciwch [yma](#) i ddeall mwy am ddewis y dechnoleg gywir ar gyfer eich ymchwil. [Cysylltwch](#)



[â ni](#) neu dewch i siarad er mwyn dysgu mwy am sut y gall araeau micro helpu eich ymchwil CHI.

Diwrnod Seminar Cytometreg Llif Aml-liw BD

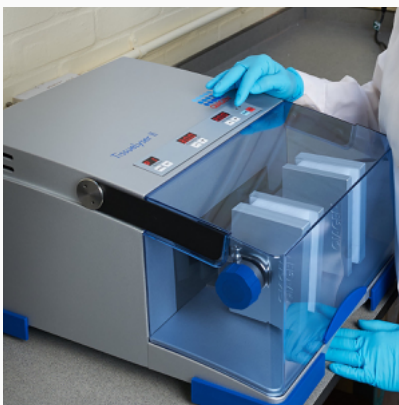
Cadwch le nawr i ddod i'n diwrnod seminar addysgiadol ar cytometreg llif aml-liw ddydd Mercher



1 Mai. Mae'r digwyddiad hwn yn rhad ac am ddim - ac yn cynnwys cinio am ddim! Cliciwch [yma](#) i weld agenda'r diwrnod seminar, manylion amdano ac i gadw eich lle. Ymunwch â'r seminar i ganfod dulliau eang o ddylunio panel a dadansoddiad aml-omeg. Cliciwch [yma](#) i gael trosolwg o cytometreg llif aml-liw.

TissueLyser II homogeniser

A wyddoch chi fod gennym ni TissueLyser II homogeniser y gallwch ddefnyddio? Mae'r TissueLyser II yn



lain hyblyg sydd wedi'i ddylunio ar gyfer tarfu'n gyflym ac effeithiol ar oddeutu 48 sampl ar yr un pryd. Caiff pob sampl ei darfu yn gydamserol a'i wneud yn unffurf gan symudiad ysgwyd cyflym gyda glain mewn tiwb wedi'i selio (melino gleiniau). Nid oes croes-halogi yn ystod tarfu ar y sampl, gan fod pob tiwb wedi'i selio yn ddiogel gyda'i gaead ei hun. [Cysylltwch â ni](#) i gael rhagor o wybodaeth ynghylch defnyddio offer sy'n arbed arian.

Mae ein cyfleuster qPCR wedi symed

Mae ein cyfleuster qPCR nawr wedi symud i adeilad BARRI sydd ar islawr Adeilad Henry Wellcome. Cofiwch fod gennym robot Eppendorf epMotion P5073 sy'n delio â hylif, wedi'i leoli yn ein cyfleuster qPCR, ac mae'n gallu dosbarthu yn gyflymach ac yn fwy cywir. Mae'r robot yn hwn yn system hyblyg ar gyfer awtomeiddio prosesau pibedu cymhleth sy'n gwastraffu amser, ac mae'n eich helpu i ddileu gwallau pibedu gan wneud y mwyaf o atgynrychioldeb eich profion.

[Cysylltwch â ni](#) heddiw i gael gwybod rhagor.



Diolch i'r llawer ohonoch a aeth i'n seminarau a sesiynau hyfforddi diweddar gan gynnwys cytometreg llif, meddalwedd FlowJo, Nanostring a thechnoleg MSD. Cysylltwch â ni am ragor o wybodaeth, a chadwch lygad ar [ein gwefan](#) am fanylion rhagor o ddiwyddiadau.

Rydym yn Gyfleuster Technoleg ym Mhrifysgol Caerdydd wedi'i ardystio hyd at lefel ISO 9001:2015. Rydym yn cynnig mynediad i offer a methodolegau ymchwil y gwyddorau bywyd, sy'n canolbwyntio ar Ddadansoddi/Delweddu Celloedd, Genomeg/Biowybodeg a Phroteinau/Diagnosteg.

Rydym yn croesawu cwsmeriaid o Brifysgol Caerdydd, sefydliadau academiaidd eraill a diwydiant. Rydym i gyd wedi ein lleoli ar gampws Parc y Mynydd Bychan Prifysgol Caerdydd, yn Adeilad Henry Wellcome yn bennaf.

[Each i'n gwefan](#)

[Dolen i archebu offer](#)

[Gwnewch ymholiad](#)

[Rhowch eich adborth am ein gwasanaethau](#)

Cysylltwch â ni!



Rydych yn derbyn yr ebost hwn gan Wasanaethau Biodechnegol Canolog Prifysgol Caerdydd gan eich bod wedi dangos diddordeb ynom ni.

[Cliciwch yma i weld ein polisi preifatrwydd](#)

Gallwch ddad-danysgrifio ar unrhyw adeg trwy glicio [yma](#).

Ein cyfeiriad yw:

Y Gwasanaethau Biodechnoleg Canolog

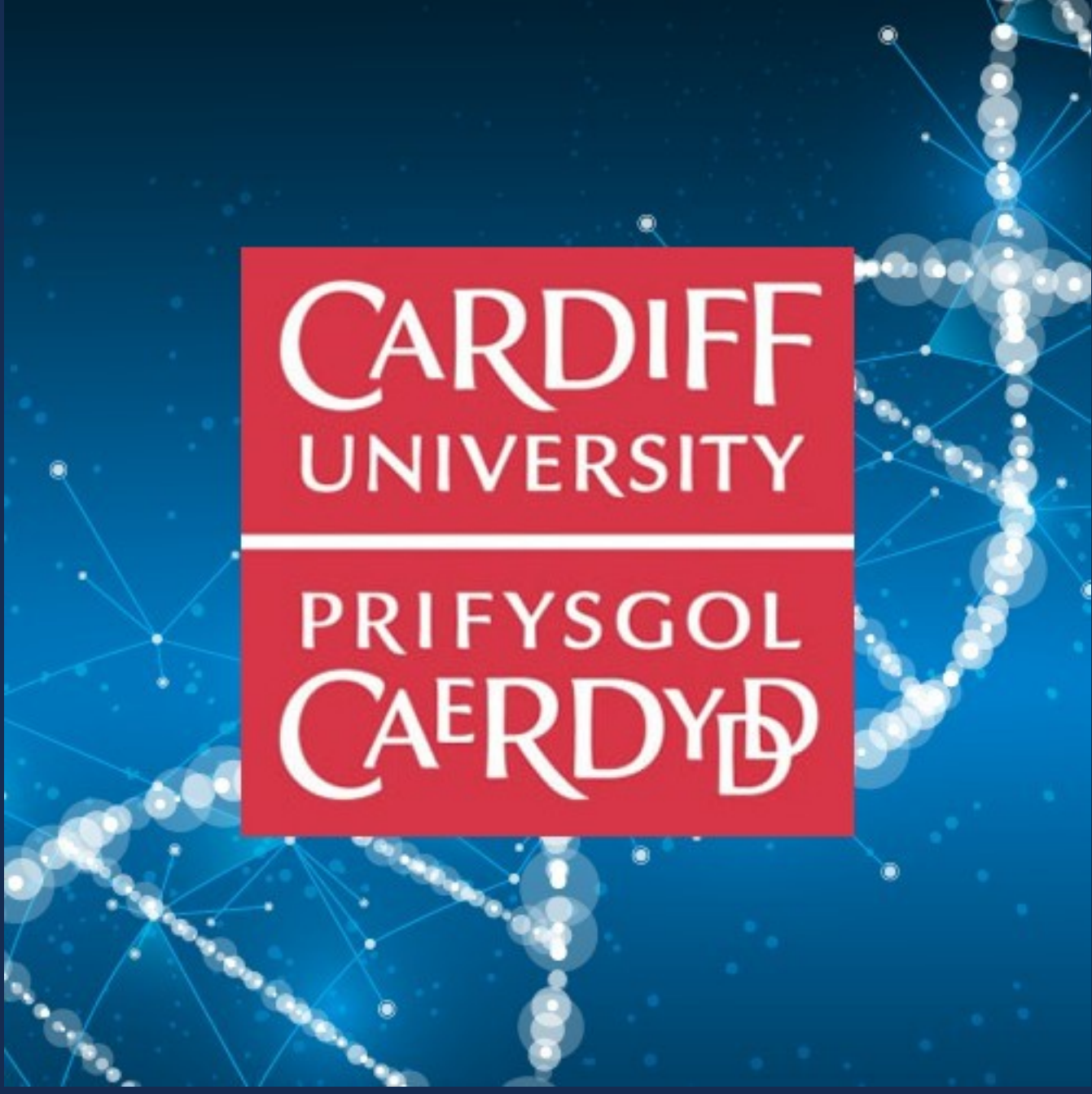
Adeilad Henry Wellcome

Prifysgol Caerdydd

Parc y Mynydd Bychan

Caerdydd CF14 4XN

Y Deyrnas Unedig



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