

Thermo Fisher Scientific and NIBRT Announce Scientific Collaboration for Biopharmaceutical Characterisation

Analytical solutions designed to streamline workflows, quickly generate data for deeper understanding of molecular complexes

Dateline:

WALTHAM, Mass. & DUBLIN

Thursday, June 23, 2016 5:00 am EDT

WALTHAM, Mass. & DUBLIN--Thermo Fisher Scientific, the world leader in serving science, and the National Institute for Bioprocessing Research and Training (NIBRT) today announced a scientific collaboration focused on the development of analytical solutions for the characterisation of complex biopharmaceuticals.

“ World class collaborations such as this are testament to Ireland’s emergence as a global centre of excellence in all aspects of biopharmaceutical manufacturing. ”

Biopharmaceuticals represent protein molecules produced by genetically engineered living cells using large scale industrial bioprocessing. The complexity of these molecules requires advanced analytical characterisation strategies to ensure that biopharmaceuticals are produced to the highest possible quality level.

This collaboration will see NIBRT develop workflows on the [Thermo Scientific biomolecule column range](#) with its associated consumable portfolio in conjunction with sophisticated [Thermo Scientific liquid chromatography systems](#) and advanced [Thermo Scientific Orbitrap high resolution mass spectrometers](#).

“This collaboration is important because it enables our team to access Thermo Fisher’s world leading columns and analytical instrumentation to develop total analytical solutions and streamline the characterisation of complex biopharmaceuticals,” said Dr. Jonathan Bones, principal investigator, NIBRT’s Characterisation and Compatibility Laboratory. “The availability of total analytical solutions to scientists across the world is empowering and motivates us at NIBRT to continually perform excellent impactful research.”

“Analytical characterisation of biopharmaceuticals remains a challenge for scientists and requires cutting edge chromatography solutions and mass spectrometry detection,” said Jakob Gudbrand, president of chromatography and analytical technologies at Thermo Fisher. “NIBRT is an independent centre of excellence with collaborations across the major biopharmaceutical companies in the industry. This allows them to provide valuable insights to improve the technology, simplify analysis, generate informative characterisation data and understand these complex molecules -- ultimately enabling scientists to move from sample to knowledge quickly and efficiently.”

NIBRT’s workflows and methods will be uploaded to the Thermo Scientific AppsLab library, a unique cloud-based applications compendium that enables scientists across the globe to access and download these total analytical solutions directly to their instruments enabling them to simplify their analysis, generate highly informative characterisation data faster and understand their complex molecules better.

“We are delighted to be working with Thermo Fisher,” said Dominic Carolan, CEO, NIBRT. “World class collaborations such as this are testament to Ireland’s emergence as a global centre of excellence in all aspects of biopharmaceutical manufacturing.”

About NIBRT

The National Institute for Bioprocessing Research and Training (NIBRT) is a global centre of excellence for training and research in biopharmaceutical manufacturing. NIBRT is located in a world class facility in Dublin, Ireland. This facility is purpose built to closely replicate a modern bioprocessing plant with state-of-the-art equipment and enables NIBRT to offer the highest quality training and research solutions. NIBRT's mission is to support the growth and development of all aspects of the biopharmaceutical industry in Ireland by becoming the global leader in biopharmaceutical manufacturing research, education and training. This mission will be achieved by performing high impact, world class, industry aligned research in all aspects of bioprocessing, biopharmaceutical manufacturing, therapeutic protein characterisation, compliance and regulation and by designing, developing and delivering best-in-class education and training solutions across all levels to national and international students and workforces. For further information, please visit www.nibrt.ie

About Thermo Fisher Scientific

Thermo Fisher Scientific Inc. (NYSE: TMO) is the world leader in serving science, with revenues of \$17 billion and

more than 50,000 employees in 50 countries. Our mission is to enable our customers to make the world healthier, cleaner and safer. We help our customers accelerate life sciences research, solve complex analytical challenges, improve patient diagnostics and increase laboratory productivity. Through our premier brands - Thermo Scientific, Applied Biosystems, Invitrogen, Fisher Scientific and Unity Lab Services - we offer an unmatched combination of innovative technologies, purchasing convenience and comprehensive support. For more information, please visit www.thermofisher.com.

Contact:

Thermo Fisher Scientific
Marcia Goff, +1 508-902-7041
marcia.goff@thermofisher.com

or
NIBRT
Killian O'Driscoll, 01-2158100
killian.odriscoll@nibr.ie

<https://thermofisher.mediaroom.com/press-releases?item=122566>