

Dr. Richard Murphy, Alltech

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## The impact of trace mineral form and source on premix and feed component stability

## L'impact de la forme et de la source des oligo-éléments sur la stabilité des composants des prémélanges et des aliments

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Dr. Richard Murphy is the research director at the Alltech European Bioscience Centre in Dunboyne, Ireland. He received a bachelor's degree in biochemistry in 1994 from the National University of Ireland, Galway. Subsequently, he received a research scholarship from Alltech and earned his doctorate in the Department of Biochemistry at the National University of Ireland, Galway in 1999.

Dr. Murphy's research has provided the basis for a revolution in animal nutrition, including several exciting developments in the industry. These include: the application of organic trace minerals and their potential to positively impact feed quality and decrease feed costs; the optimization of solid state fermentation systems by utilizing microbial enzyme production, and a better understanding of the microbial factors that influence gut health, which has been integral to the development of novel strategies for mitigating antimicrobial-resistant bacteria.

Dr. Murphy maintains strong links with numerous universities and research institutions and has been appointed as an adjunct professor on the faculty of science and health studies at Dublin City University. He has also served as an external examiner for undergraduate degree programs and sits on the board of management of the National Institute for Cellular Biology at Dublin City University.