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MSEC SEMINAR AND COMMERCIALIZATION FORUM



INVITED SPEAKER:

DR. JOHN BRUNO
PRINCIPAL SCIENTIST & DIRECTOR OF BIOTECHNOLOGY
AT NANOHMICS INC, AUSTIN, TX

“ADVANCES IN QUANTUM DOT TECHNOLOGY ESPECIALLY FOR
BIOMEDICAL DIAGNOSTIC APPLICATIONS”

February 18th, 2022
1:30 – 2:30 PM (CST)

Biography:

Dr. Bruno is an author on 110 published research or review journal articles as well as 8 book chapters and he has been an inventor on 16 issued U.S. and European patents related to Biotechnology or Nanotechnology. He has also written and managed 80 Small Business Innovative Research (SBIR) and Small Business Technology Transfer (STTR) contracts/grants worth over \$20M in the past 23 years.

Abstract:

Dr. Bruno has pioneered some applications of quantum dots (Qdot) in diagnostics including their use in DNA aptamer- and antibody-based lateral flow test strips as well as

FOR MORE INFORMATION OR IF YOU WOULD LIKE TO MEET THE SPEAKER ONE-ON-ONE,
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magnetic bead-based assays. He will discuss how Qdots work, their advantages in ultrasensitive and multiplexed/multicolored assays as well as some advances in the development of non-blinking Qdots from Los Alamos National Labs and potential uses in electrochemiluminescence (ECL) assays. And he will present some potential pitfalls of Qdot use.

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