

**SPRING 2023  
CHEMISTRY  
SEMINAR SERIES**



**DR. ANDY STAMFORD**

*Head of Chemistry,  
Deerfield Discovery and  
Development  
New York, NY*

**HOST:  
DR. LIOTTA**

**ALL THOSE INTERESTED  
ARE WELCOME TO  
ATTEND**

**“A Perspective on Medicinal Chemistry”**

**Friday, February 17, 2023, 11:30 AM  
Life Science Center II, Room 130**

**Abstract:** Modern drug discovery is a team endeavor that integrates several interrelated disciplines and medicinal chemistry is the nexus of drug discovery. Medicinal chemists must assimilate knowledge from biology, pharmacokinetics, structural biology, formulation science, toxicology and clinical science to design safe and effective drugs. This seminar will discuss how medicinal chemistry has evolved over the past few decades and some key concepts that underpin successful drug discovery. A case history that illustrates some of these key concepts will be presented.

**Biographical Sketch:** Andy Stamford is a medicinal chemist with over 30 years of experience in drug discovery and development at pharma and small biotech companies. Andy is currently Head of Chemistry at Deerfield Discovery and Development (3DC), a New York City biotech progressing early-stage therapeutics from scientific discovery through preclinical proof of concept and into the clinic. Prior to 3DC, Andy held a joint appointment at the Tri-Institutional Therapeutics Discovery Institute (TDI) and Bridge Medicines, incubators dedicated to advancing early-stage drug discovery programs originating from Memorial Sloan Kettering Cancer Center, The Rockefeller University and Weill-Cornell Medicine. Before his time at TDI/Bridge, Andy spent 25 years at Merck Research Laboratories and Schering-Plough Research Institute where he contributed to the strategic direction of drug discovery programs and successfully led programs in the areas of neuroscience, cardiovascular and metabolic diseases, and virology. A native of Australia, Andy received his Ph.D. in Organic Chemistry from the University of Sydney and completed Postdoctoral work in natural products synthesis at the University of Texas at Austin. Andy has authored over 80 scientific publications and is an inventor on over 100 issued patents. In recognition of his accomplishments, Andy has received several honors including the David W. Robertson Award for Excellence in Medicinal Chemistry (2010), and the Thomas Edison Patent Award (2015). Andy has also provided service to the medicinal chemistry community serving as Chair of the Medicinal Chemistry Division of the American Chemical Society (2019) and as Section Editor of Annual Reports in Medicinal Chemistry (2005-2012).

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