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The most pressing unmet medical needs correspond to complex diseases caused by a combination of genetic and environmental factors. Traditional drug discovery strategies ignore the complexity of biological systems, screening compounds on individual targets rather than focusing on biomolecular networks. Despite growing evidence that the conditions we aim to treat are complex and require the development of treatments that exhibit polypharmacological properties, current drug discovery programs still rely on simplistic approaches during compound selection. Complexity is then considered during the development phase, where the costs and risks are much higher than in the discovery phase. This symposium aims to challenge the "one-target, one-disease" tradition and to discuss design and implementation of biological assays featuring multiple target strategies during the primary discovery steps.

Organizers

Mercedes Beyna, MS, Pfizer Global Research and Development Manuel Duval, PhD, Enumeral Biomedical Corp.
Thomas B. Freeman, MS, Boehringer-Ingelheim
Jennifer Henry, PhD, The New York Academy of Sciences

Speakers

Albert-László Barabási, PhD, Northeastern University Alessandra Cesano, MD, PhD, Nodality Manuel Duval, PhD, Enumeral Biomedical Corp.

Alison O'Mahony, PhD, BioSeek

Tony Pawson, PhD, Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Canada Eric Schadt, PhD, Mt Sinai School of Medicine

Presented by the **Biochemical Pharmacology Discussion Group** at the **New York Academy of Sciences** and the **New York Chapter of the American Chemical Society**.

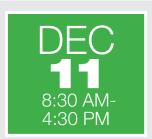
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Reception to follow

Registration

Member: \$30

Student/Postdoc Member: \$15 Nonmember (Academia): \$65 Nonmember (Corporate): \$85 Nonmember (Non-profit): \$65 Nonmember (Student/Postdoc/ Resident/Fellow): \$45

Location

The New York Academy of Sciences 7 World Trade Center 250 Greenwich Street, 40th Floor New York, NY 10007-2157

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