



COLLEGE OF PHARMACY
PHARMACEUTICAL SCIENCES
UNIVERSITY OF MICHIGAN

Pharmaceutical Sciences Seminar

Wednesday, October 14, 2020
12:00 PM

Join Zoom Meeting
<https://umich-health.zoom.us/j/5652976039>

“The Rise of Bispecific Antibodies as Therapeutics”

Presented by:



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Antibody Engineering, Genentech

Antibodies are the most rapidly growing drug class with significant benefit to human health, particularly in oncology, autoimmunity and chronic inflammatory diseases. Indeed, over 90 antibody-based drugs have been approved for therapeutic use with worldwide revenues of about US\$115 billion in 2019. This seminar will provide an introduction to antibodies as therapeutics including their strengths and limitations.

Bispecific antibodies are of high interest as they can enable novel mechanisms of action that are not possible with monospecific antibodies. Two bispecific antibodies are currently approved as drugs with >180 additional bispecifics in clinical development. Bispecific antibodies are complex proteins that can be challenging to produce. This seminar will describe innovation in molecular design that has enabled the efficient production of bispecific antibodies supporting their advancement into clinical trials.

For more information on the weekly PharmSci department Seminar series, please view our website:
<https://pharmacy.umich.edu/pharmsci/seminars>