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9

Being a part of the ACS Bridge program has benefited me in several ways. I was able to pursue fully independent, fascinating research at a top institution, but even more importantly, I was exposed to a number of opportunities (such as conferences, career events, etc.) I never would have known about otherwise. The best thing about Bridge in my opinion, are the people at ACS who have worked to make it happen. Their dedication to helping me develop professionally and supporting me in good or bad times I will forever be grateful for.

Hanin Sarhan, Bridge Fellow at Indiana University



American Chemical Society



ACS Scholar Adunoluwa Obisesan

BS, Massachusetts Institute of Technology, June 2021 (Chemical-biological Engineering, Computer Science & Molecular Biology)

"The ACS Scholars Program provided me with monetary support as well as a valuable network of peers and mentors who have transformed my life and will help me in my future endeavors. The program enabled me to achieve more than I could have ever dreamed. Thank you so much!"

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Check out Tiny Matters, from the American Chemical Society.

Sam Jones, PhD

Science Writer & Exec Producer



Deboki Chakravarti, PhD Science Writer & Co-Host

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ACS on Campus is the American Chemical Society's initiative dedicated to helping students advance their education and careers.



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ACS Career Resources



Virtual Office Hours



https://www.acs.org/careerconsulting.html

Personal Career Consultations



Im Tung works at Learnass Laboratorius in Portland, OR, currently as a business development managen. He has been with Learnas for Olyapars, moking on developing new chemical manufacturing projects. Before that, he was a serior research chemical active Research in Champaign, IL performing kilo scale organic chemistry.

Inst PN-D, in organic chemistry from the Linvenzing of Nater Dane, with postchoosa expension are Resr's Handress in La Jolfac. A Net p Sait duri of the Portund Section of the American Chemical Society and was 2019 general cochair of NDRIA 2019. He has interests in Diroces chemistry, blave economics, social media outrach and encouraging career exploration and development for younger diversits.

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The impact and results of ACS member advocacy outreach and efforts by the numbers!

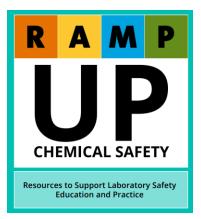








A complete listing of ACS Safety Programs and Resources



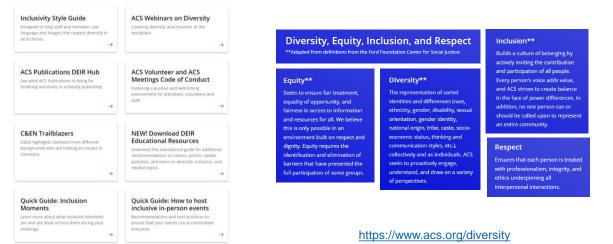
Download it for free in the "Projects & Announcements" Section! www.acs.org/ccs



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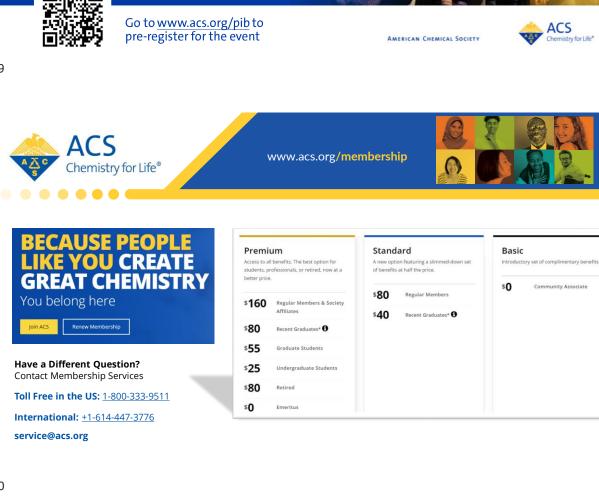
Advancing ACS' Core Value of Diversity, Equity, Inclusion and Respect

Resources





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ACS PROGRAM **#ACSPIB is Back!**

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Chemistry and the Economy: One Door Closes as Another Opens

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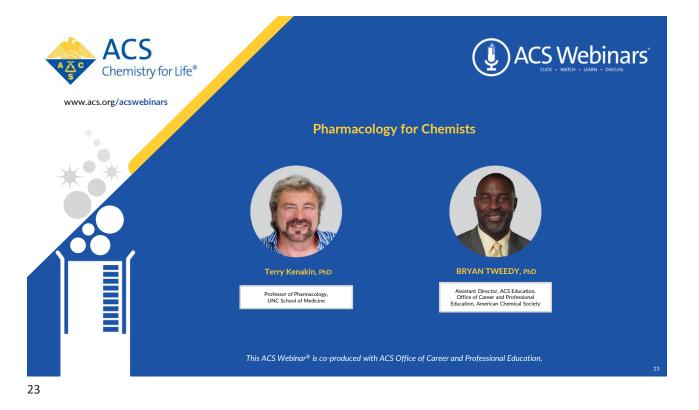
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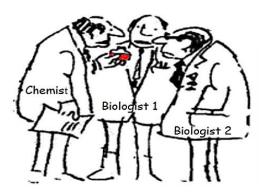






Pharmacology for Chemists

Terry Kenakin PhD Dept Pharmacology, University of North Carolina, School of Medicine. Chapel Hill, NC



6 weeks / 1 hr/wk Recorded / slide pdf provided



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Course Outline

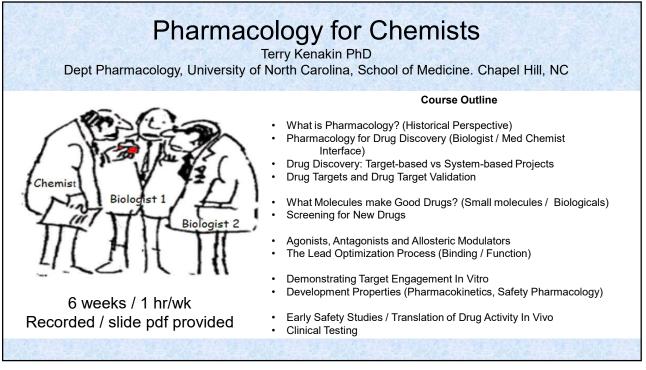
Terry Kenakin Ph.D.

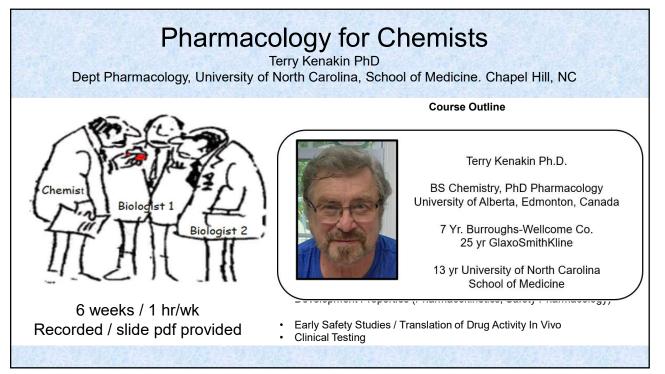
BS Chemistry, PhD Pharmacology University of Alberta, Edmonton, Canada

> 7 Yr. Burroughs-Wellcome Co. 25 yr GlaxoSmithKline

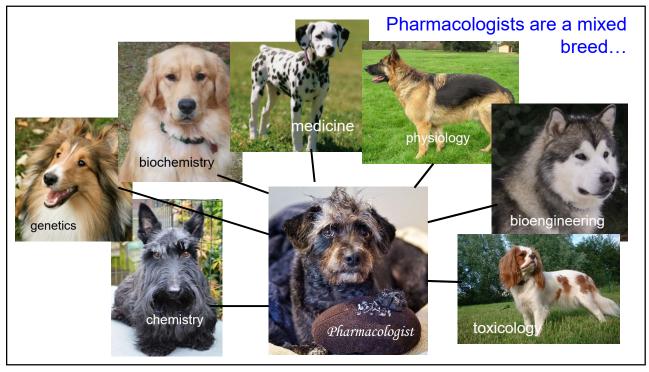
13 yr University of North Carolina School of Medicine ----

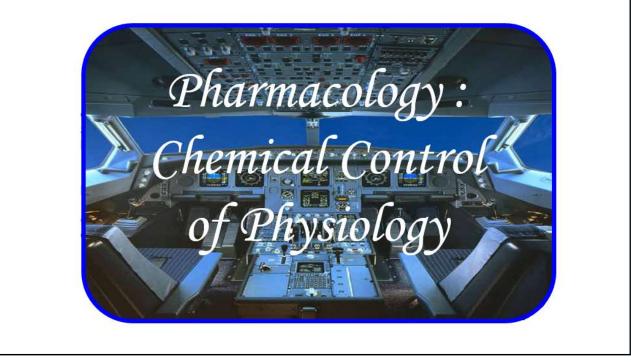
Early Safety Studies / Translation of Drug Activity In Vivo **Clinical Testing**





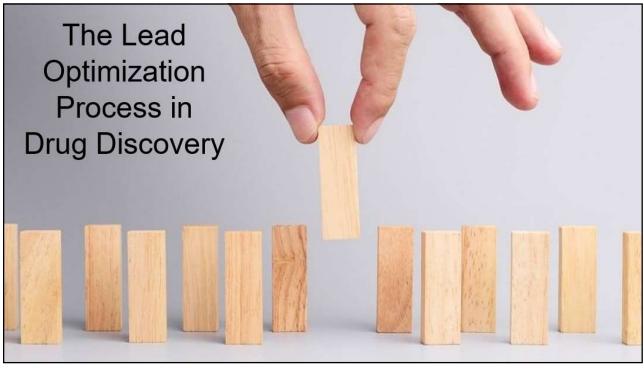
What is Pharmacology?



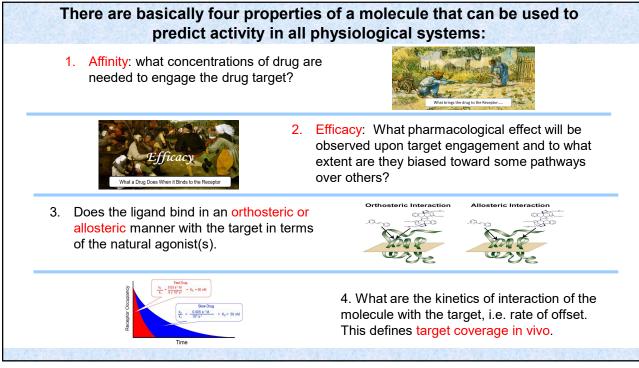




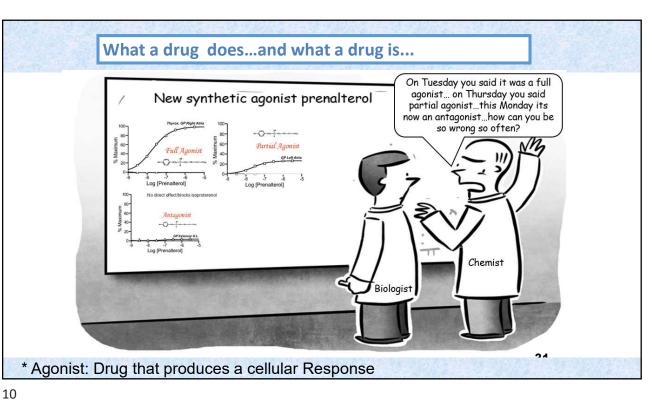


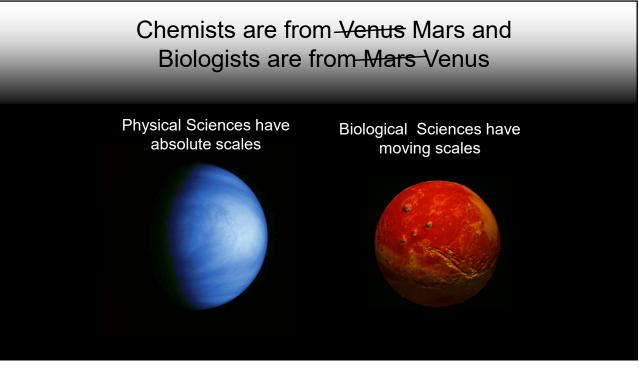


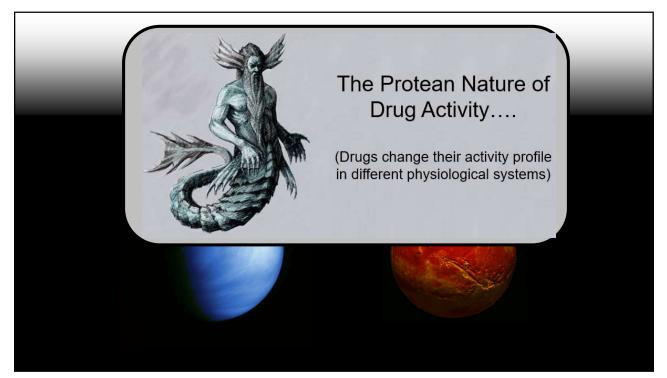


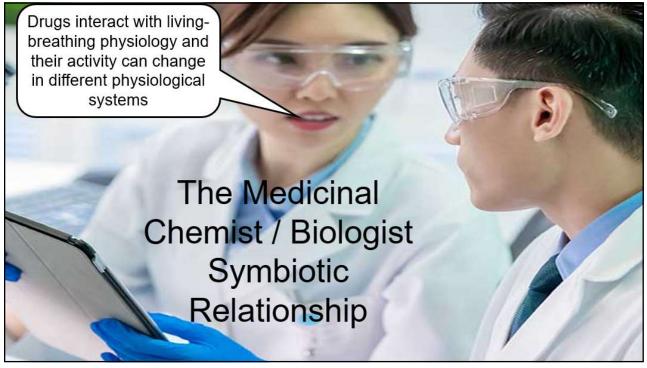


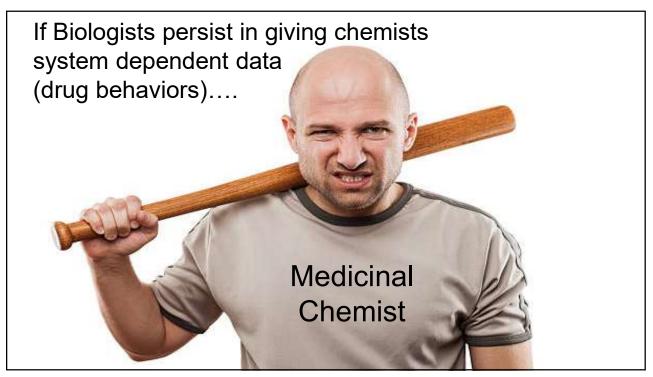


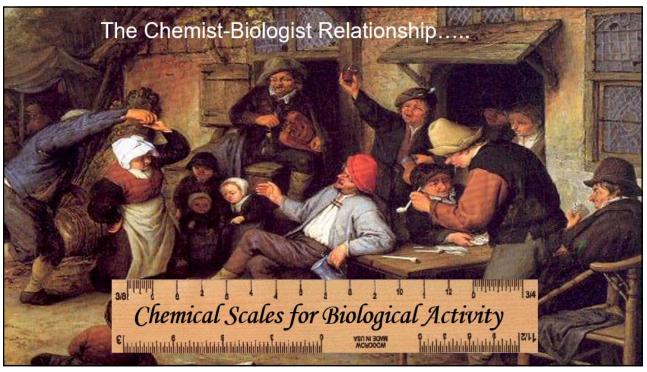


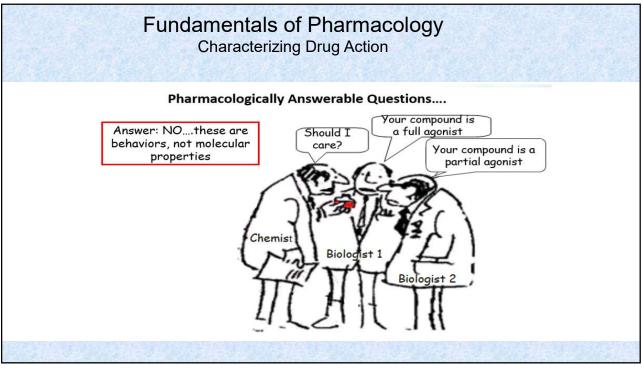


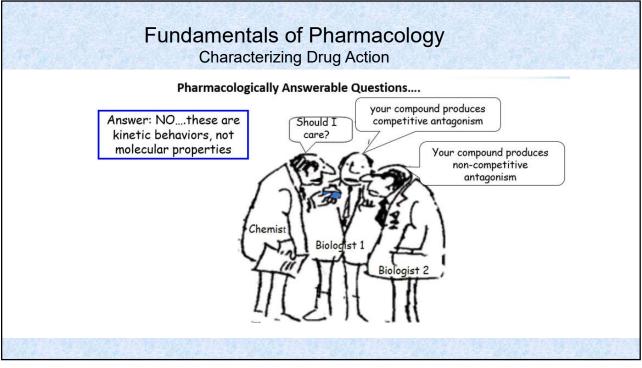


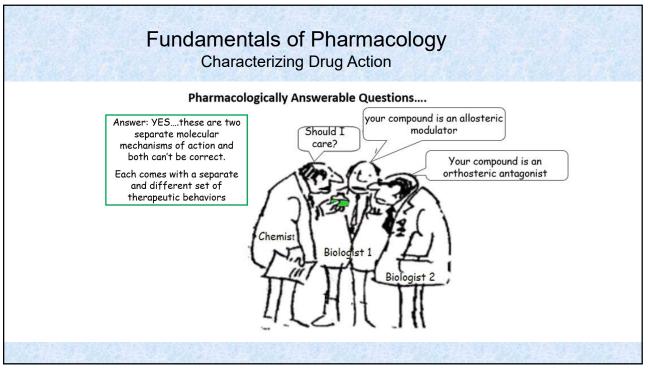


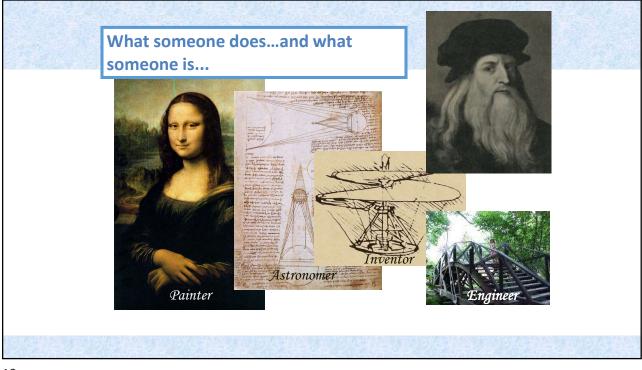


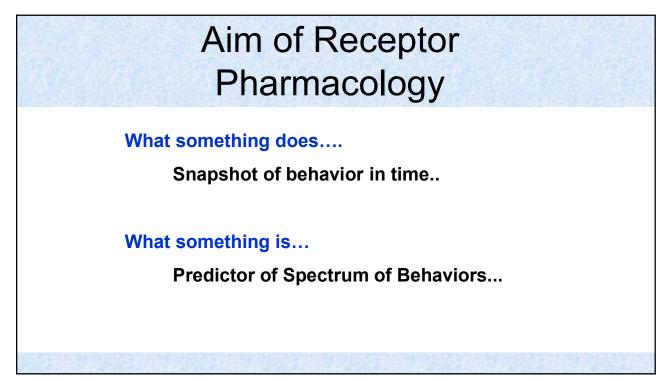


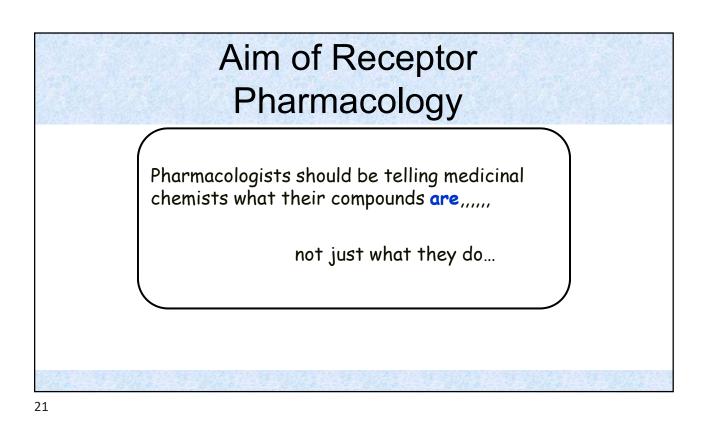


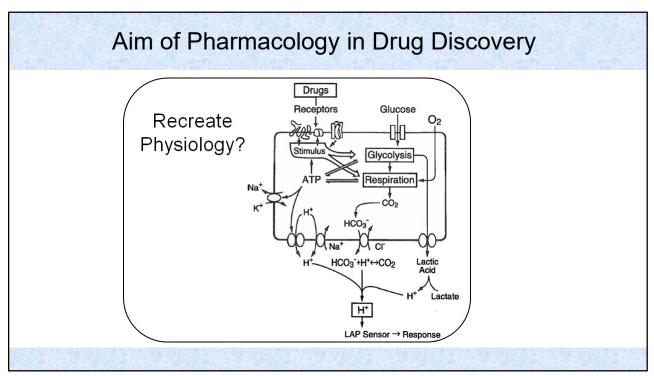






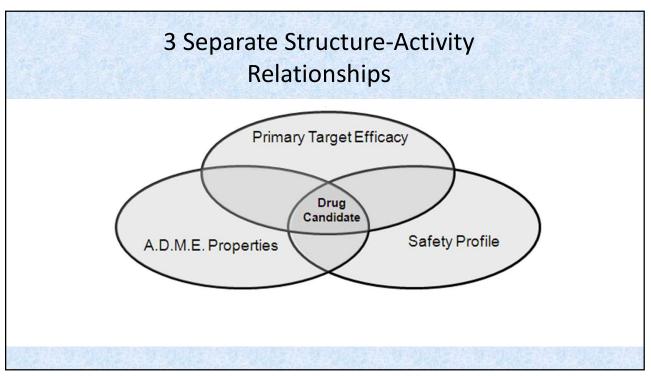


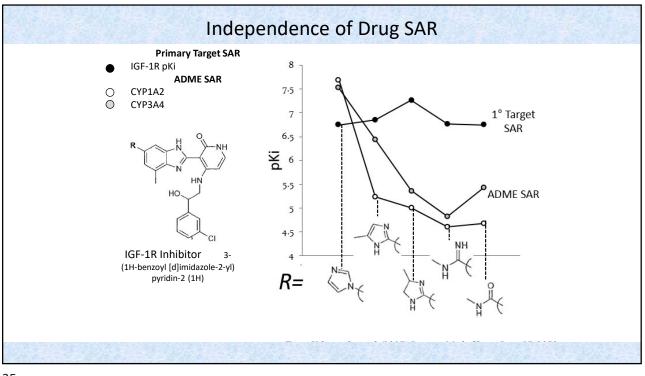


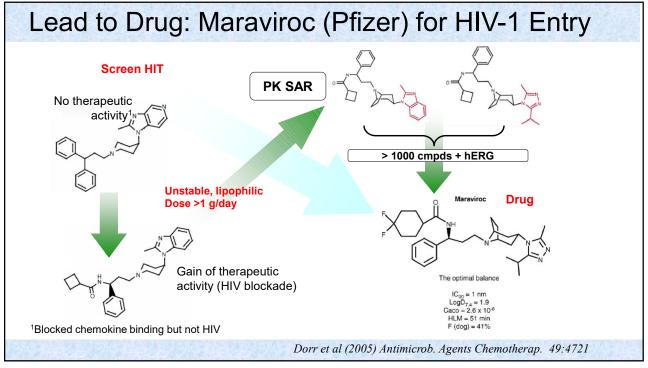


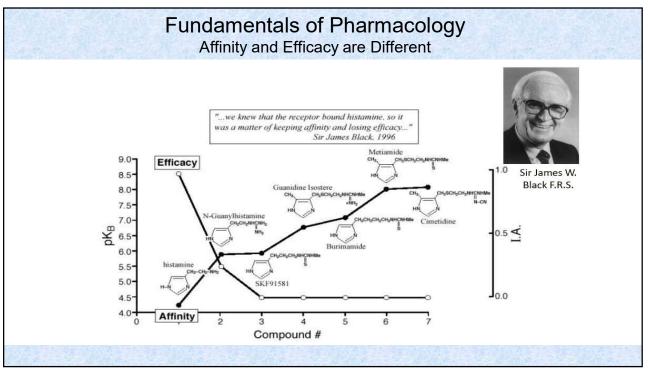


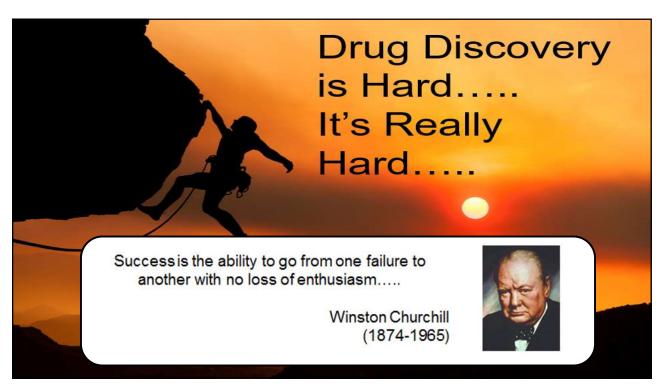




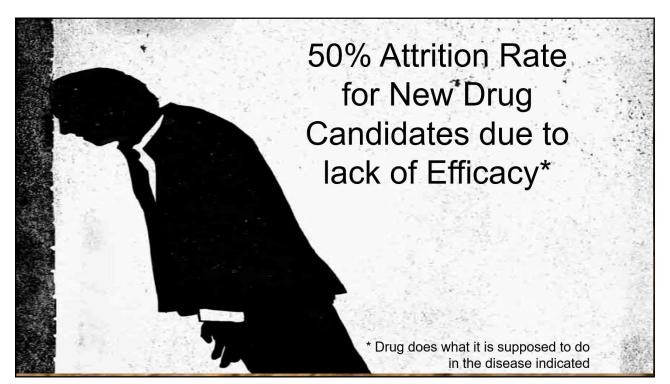




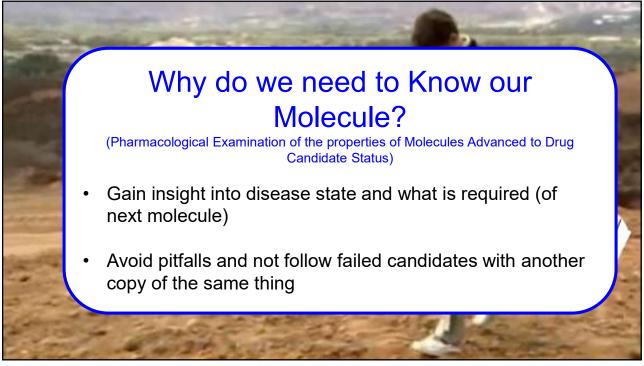


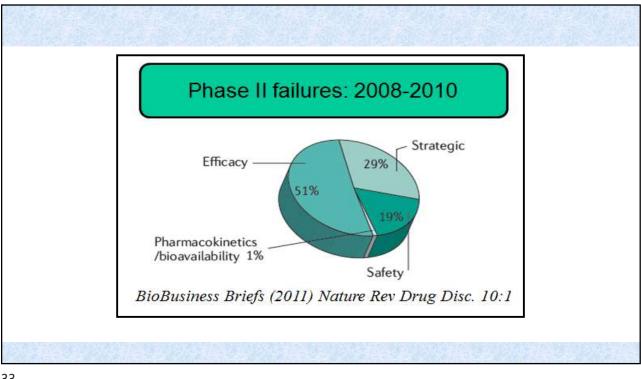




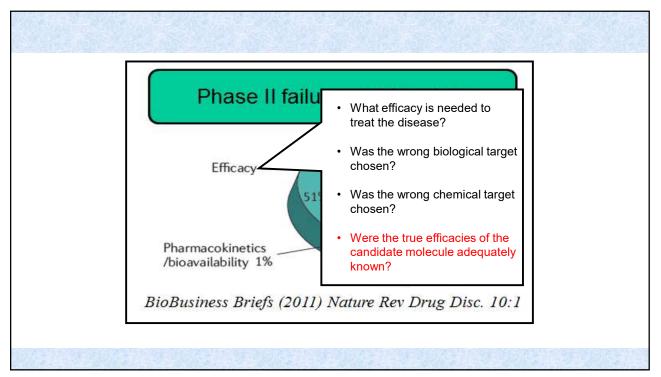


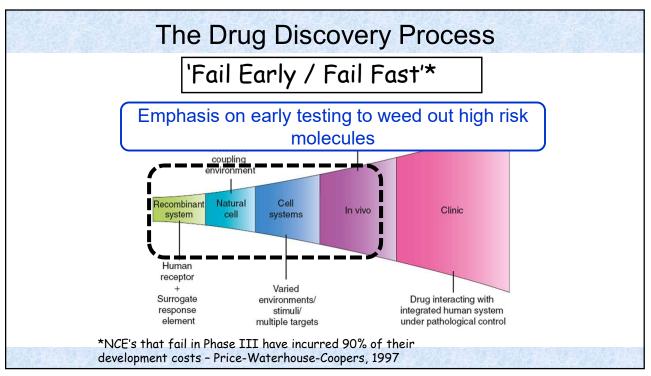


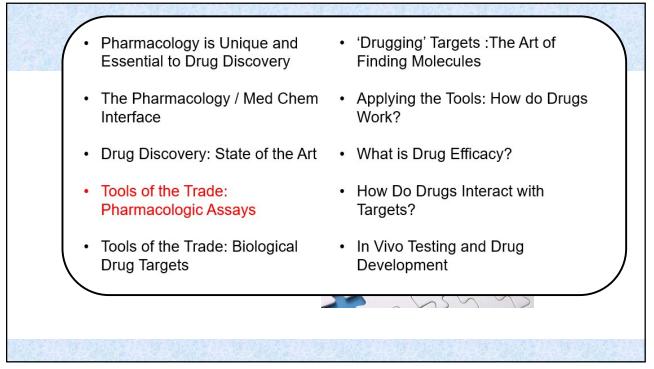


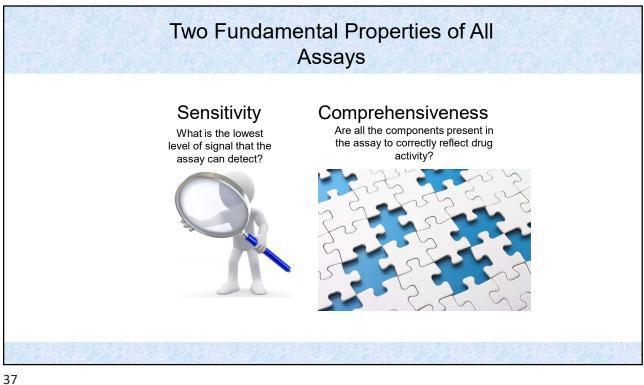




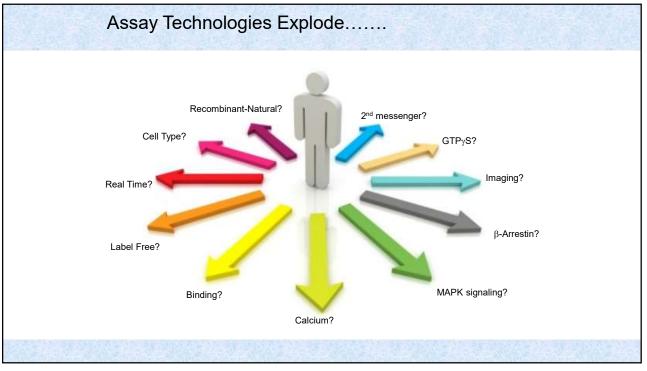


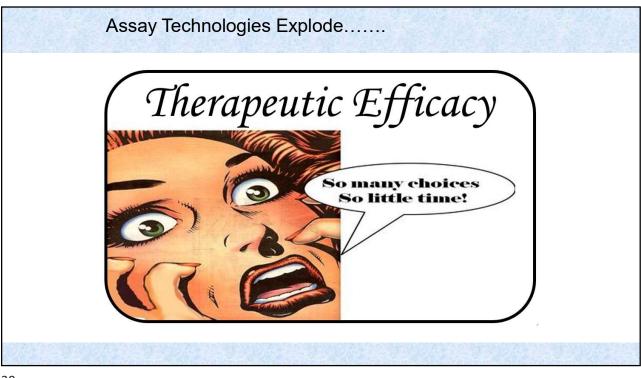


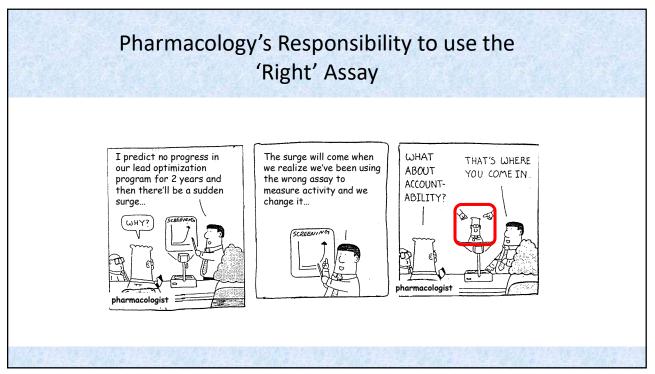


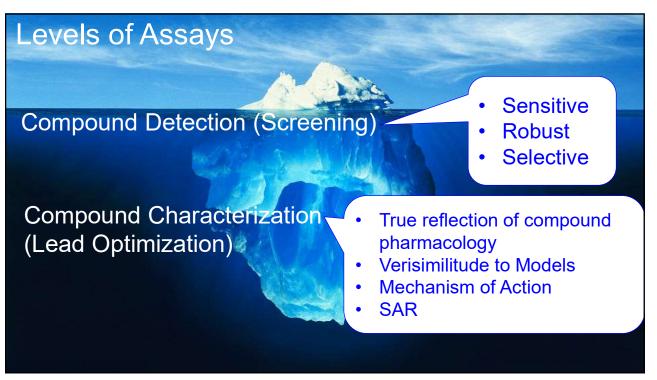


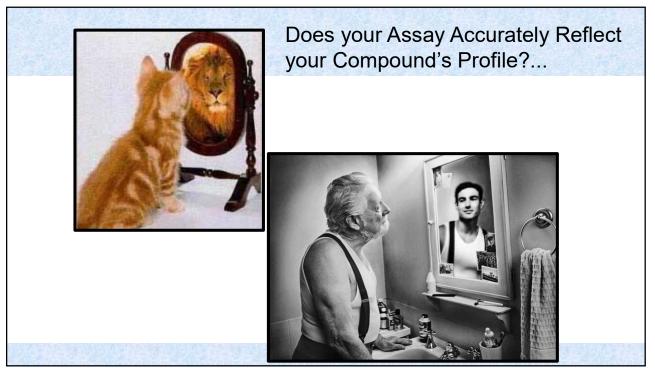




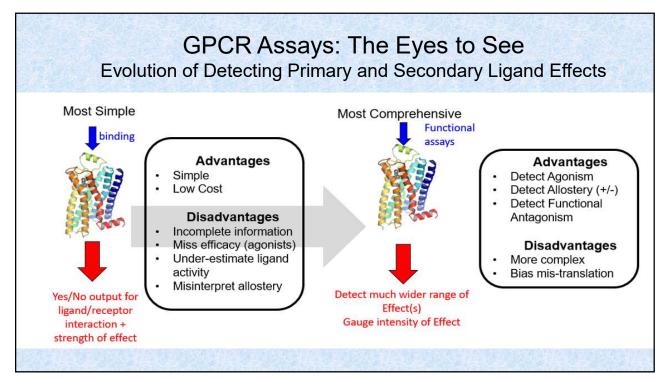


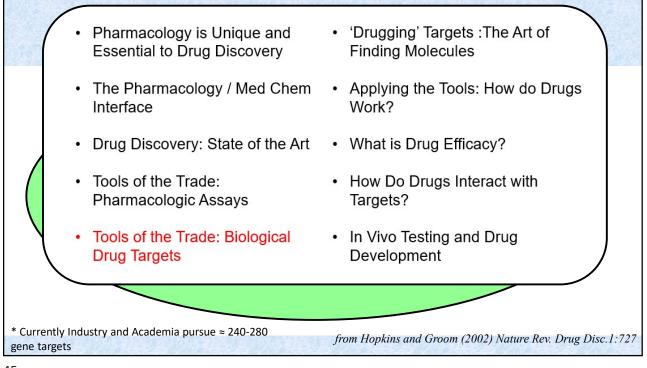




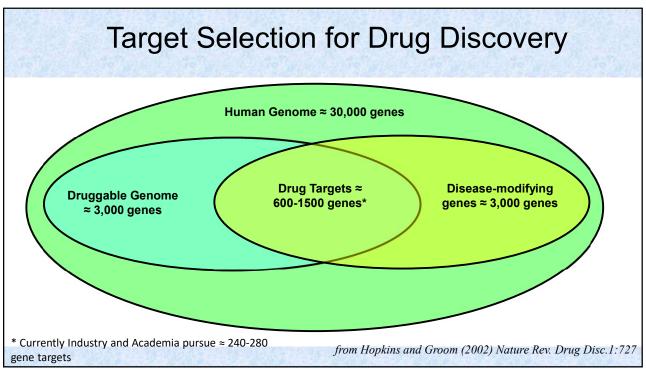




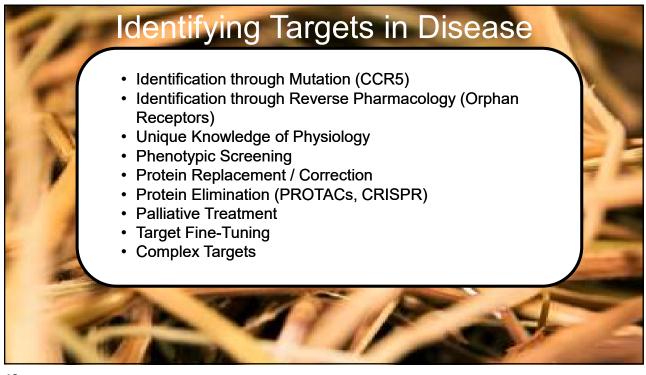




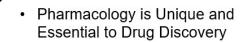








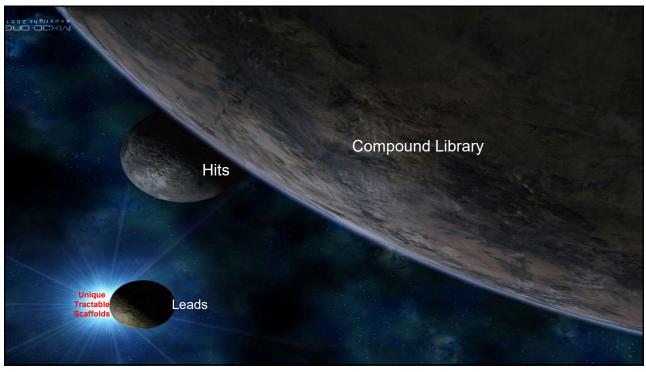


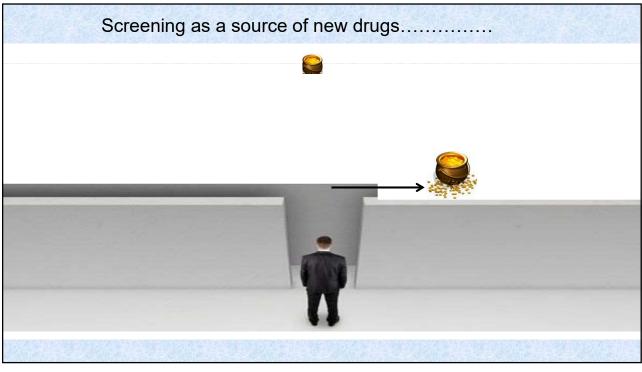


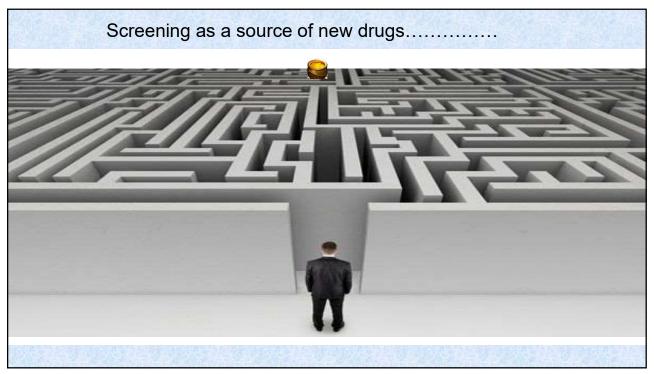
- The Pharmacology / Med Chem Interface
- Drug Discovery: State of the Art
- Tools of the Trade: Pharmacologic Assays
- Tools of the Trade: Biological Drug Targets

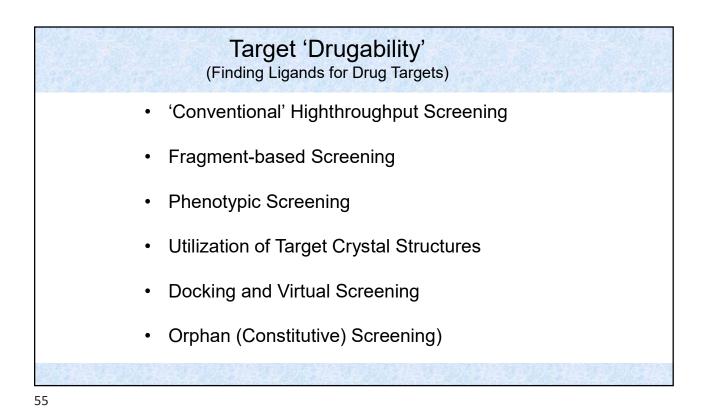
- 'Drugging' Targets :The Art of Finding Molecules
- Applying the Tools: How do Drugs
 Work?
- What is Drug Efficacy?
- How Do Drugs Interact with Targets?
- In Vivo Testing and Drug Development



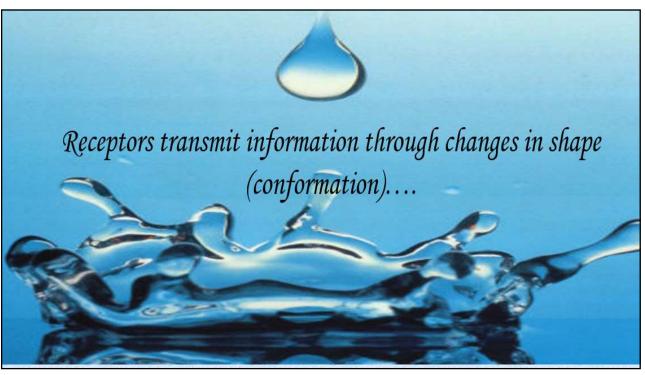


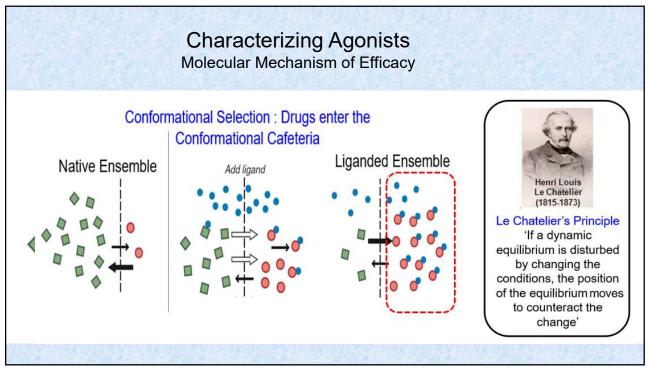


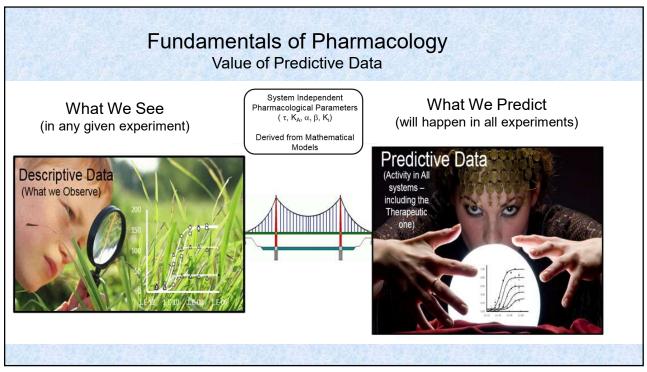


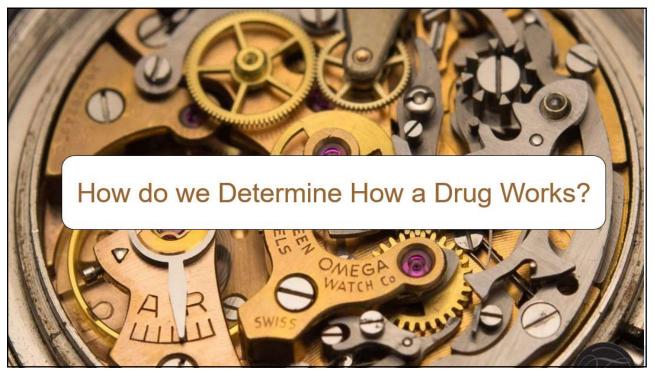


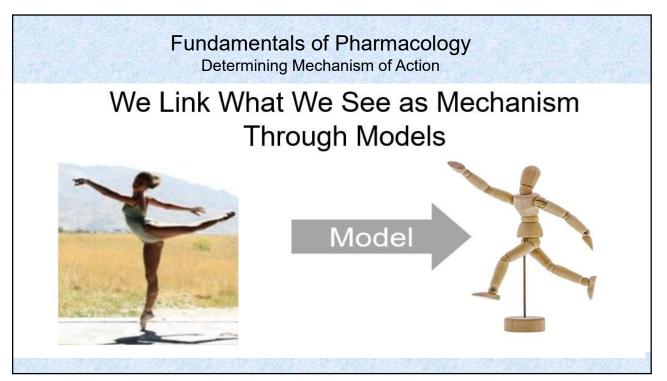


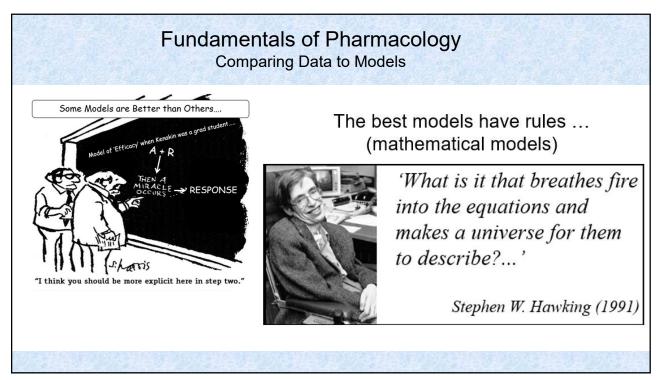
















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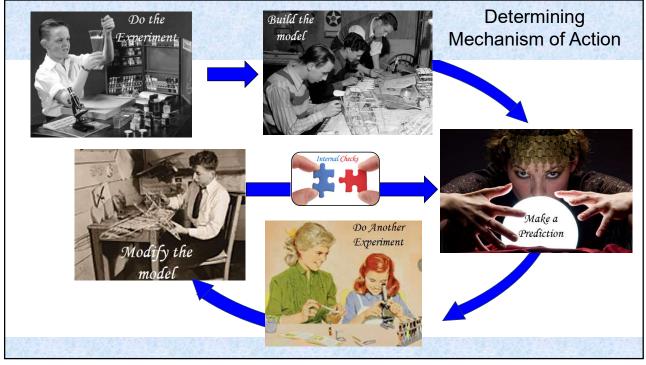
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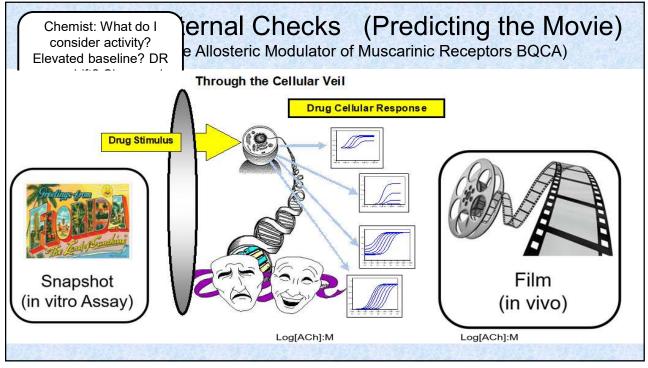


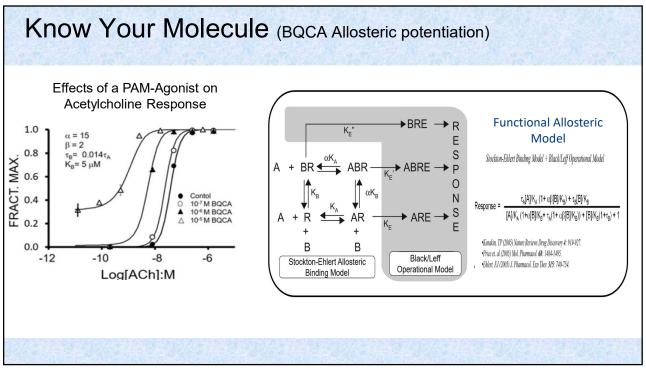
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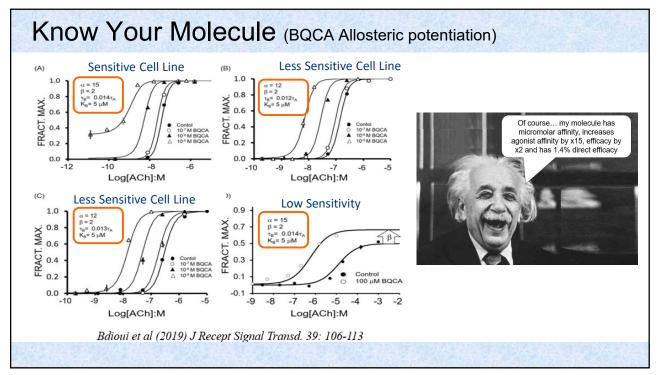
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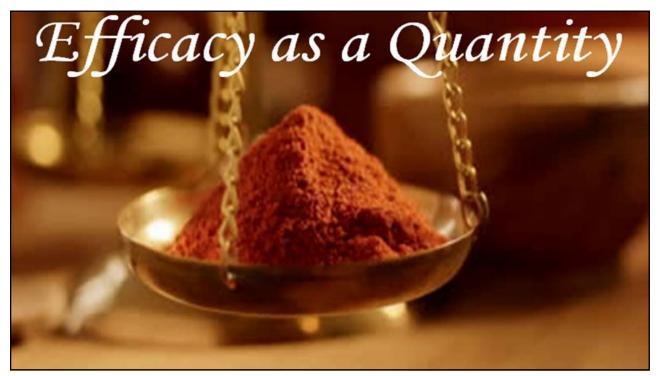


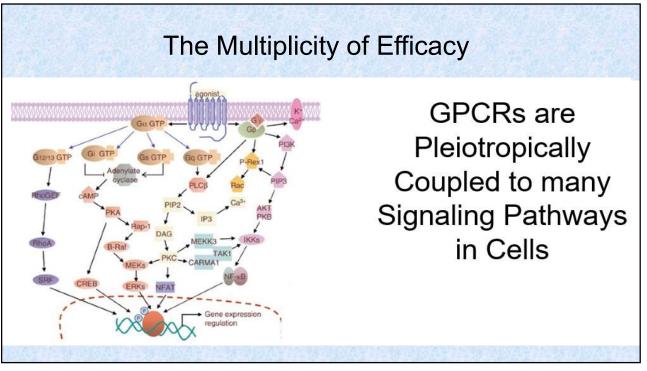


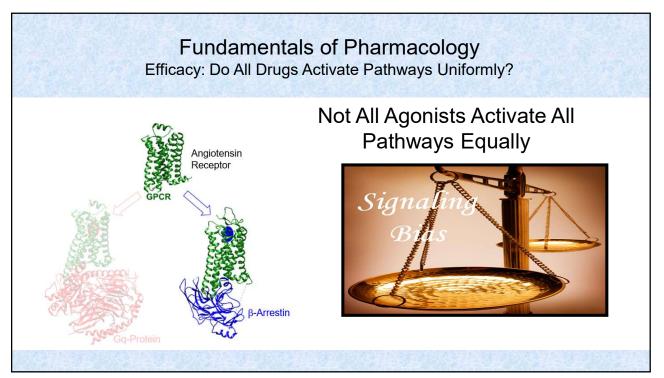


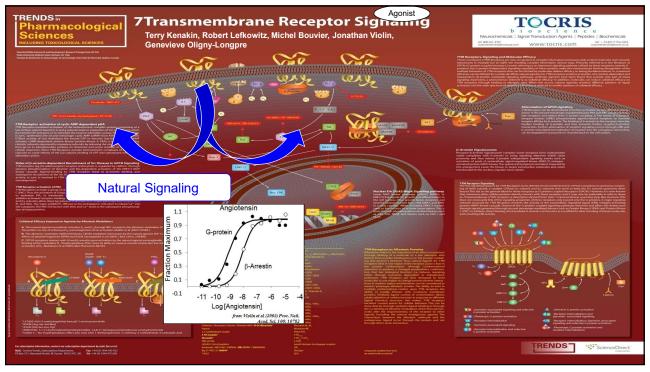


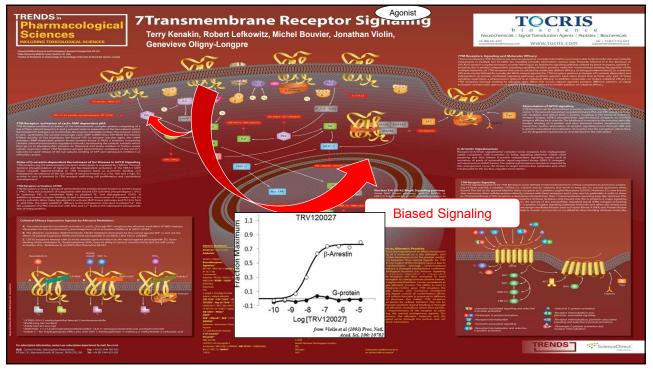


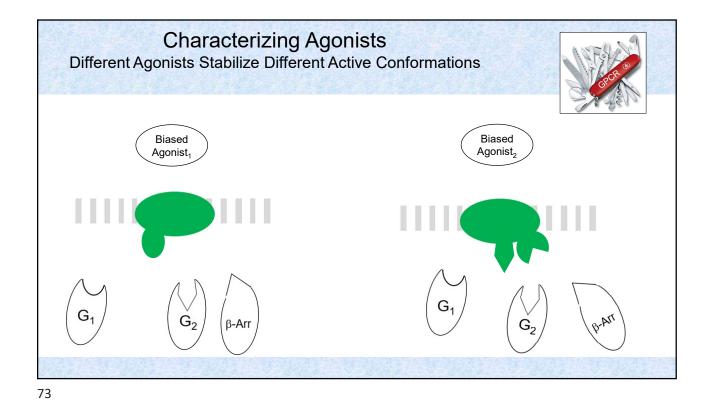


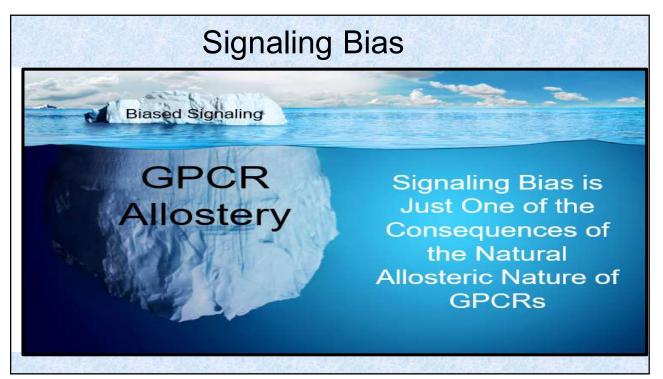


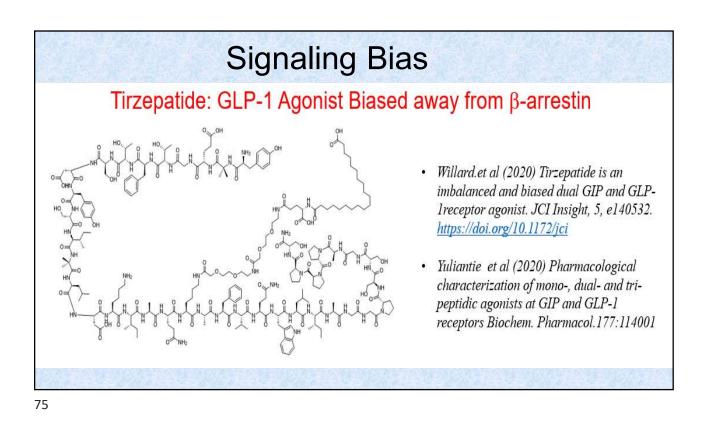


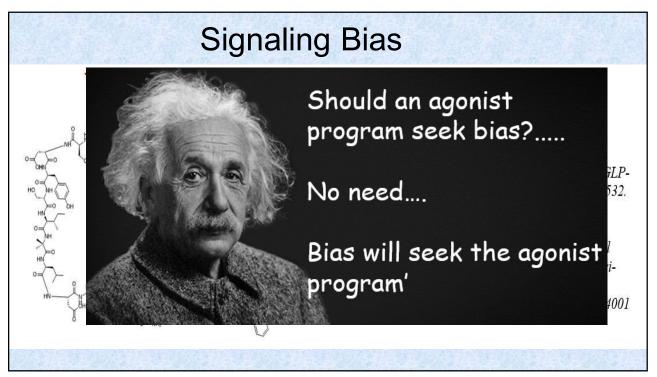




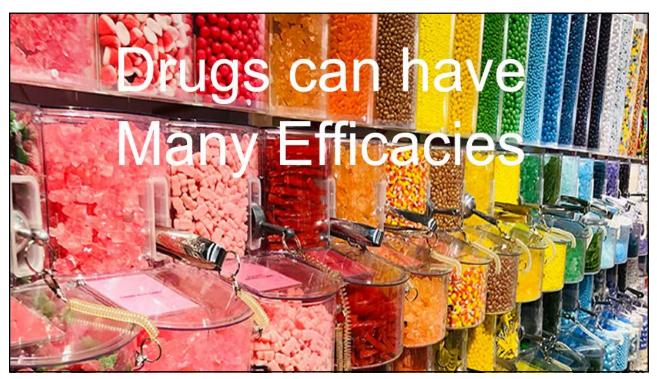


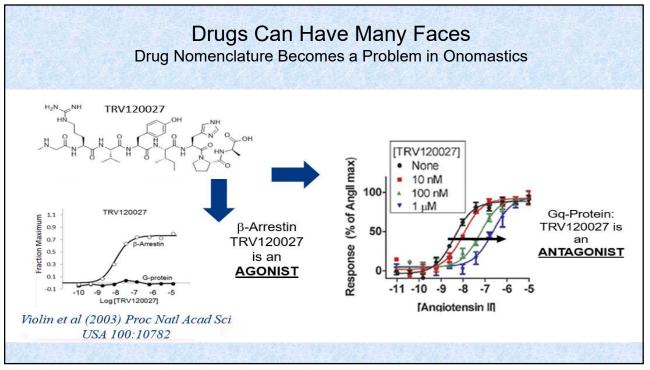




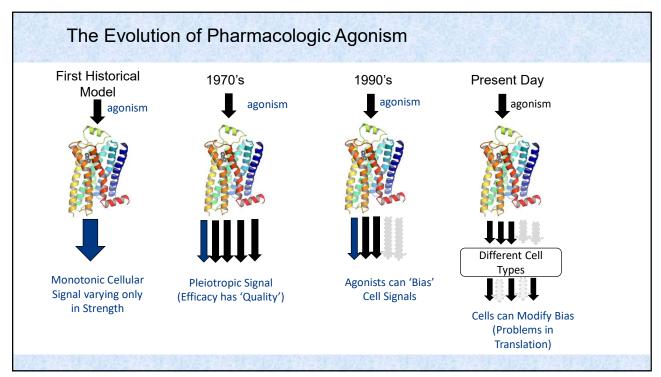


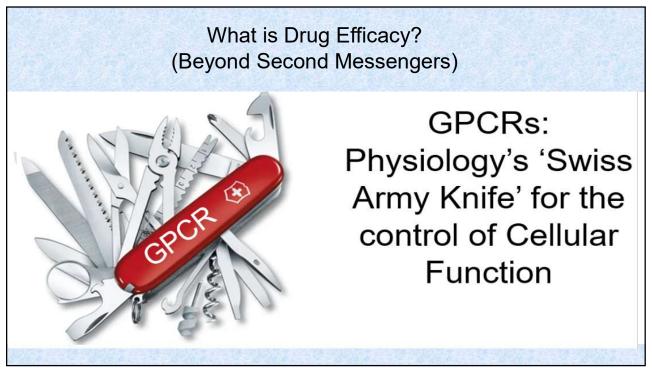


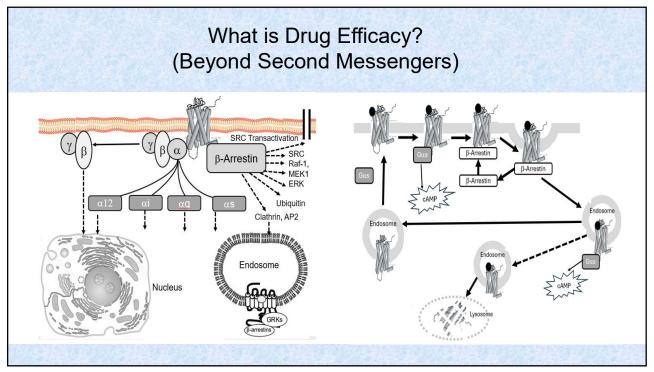


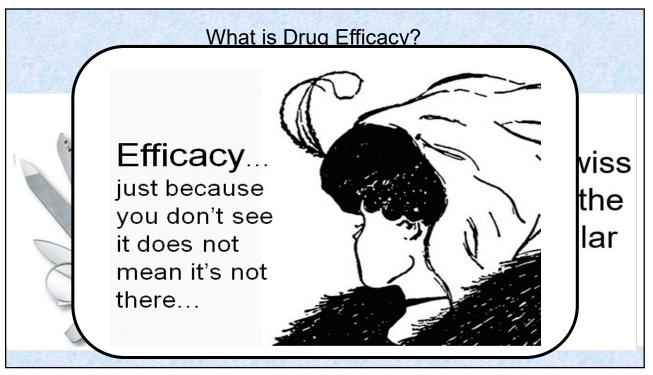




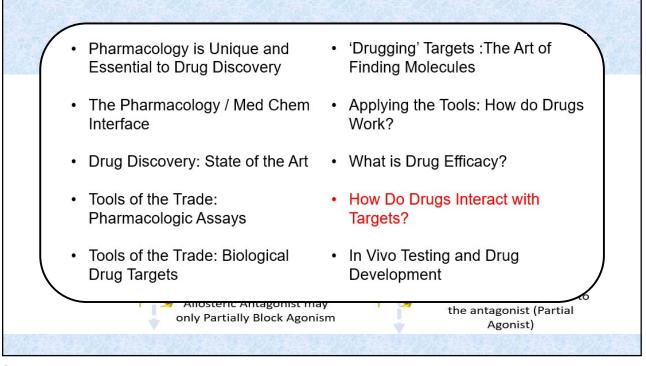


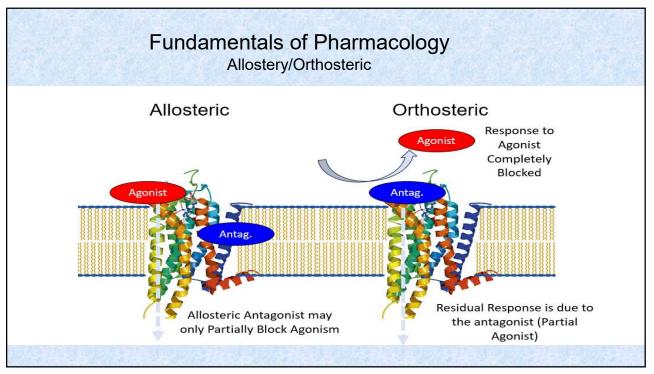


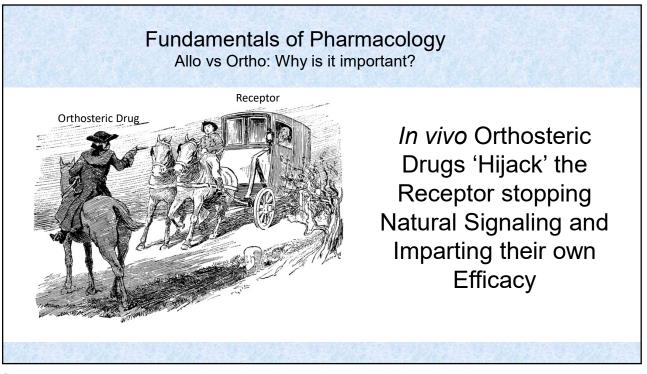


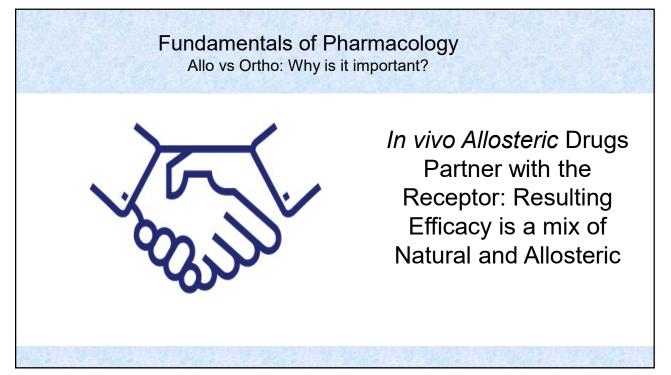


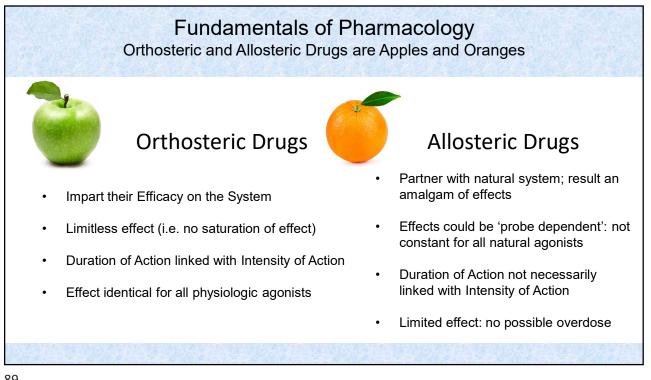




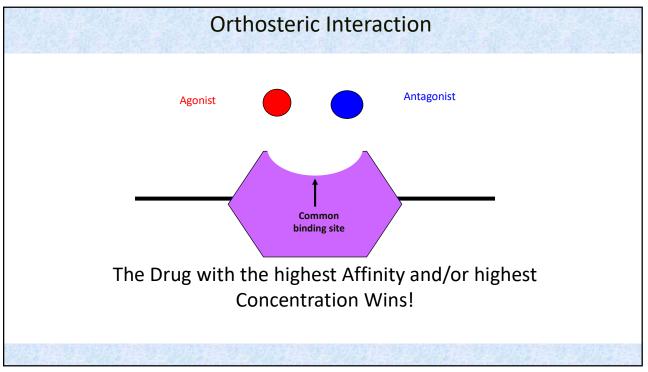


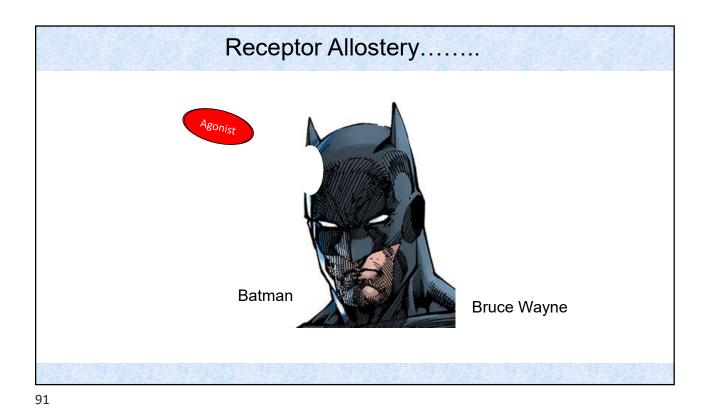






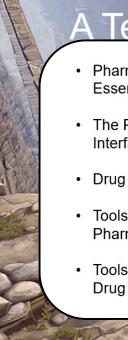






Methods to Demonstrate Target Engagement **Physical Interaction** Binding Isothermal Titration Calorimetry • Free Solution Analysis CETSA X-Ray Crystal Structures NMR **Functional Response** Collateral Presence: Recombinant host cell Systems ٠ Multiple Pathway Analysis • Biosensors ٠ Label Free • Knockouts •



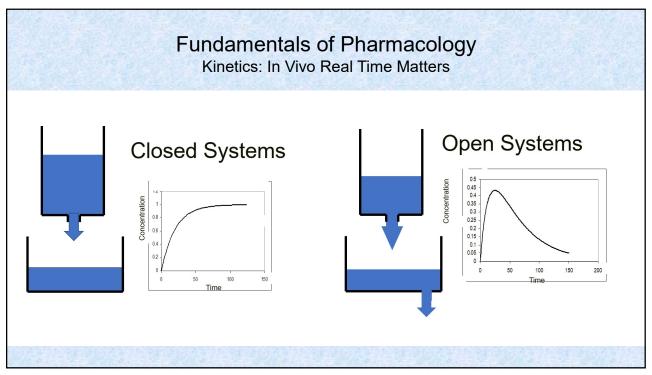


Test Compound Goes In Vivo

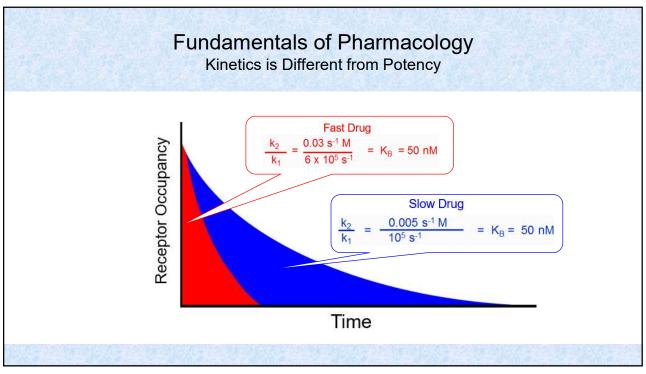
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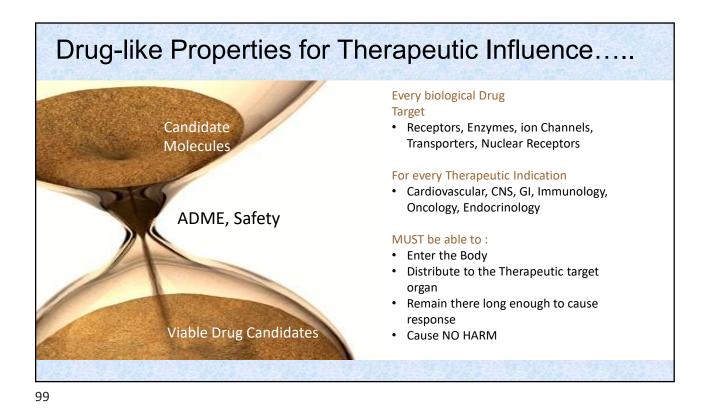
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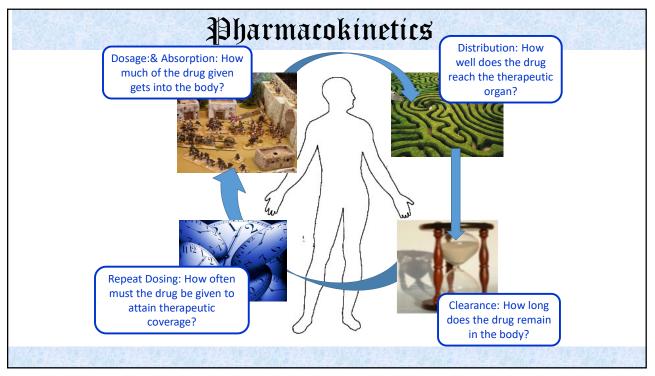


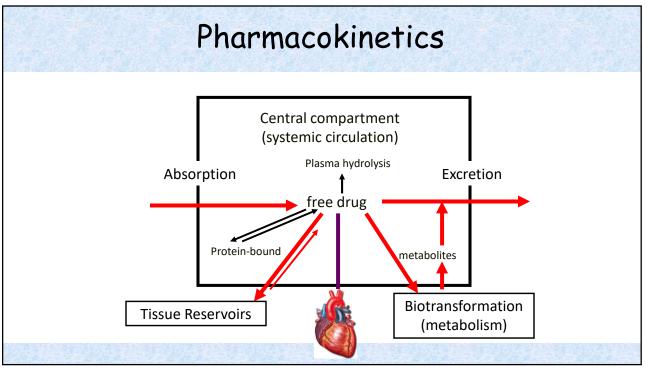










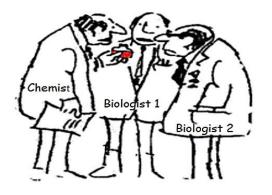




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