

Translational Medicine: History, Principles and Application in Drug Development

Overview of translational medicine and drug development

Concepts and case studies: diabetes

Challenges in atherosclerosis

Obesity: new mechanisms and translational paradigms

Bone disorders: case studies of translational research

Case studies in neuroscience: unique challenges and examples

Translational medicine in oncology

Biomarkers and Public-Private Partnerships

Biomarker validation and application in drug development Pfizer Global Research and Development

Application of imaging methods in translational medicine

European innovative medicines initiative

Critical path institute and the predictive safety consortium Elizabeth

The biomarker consortium

Future Directions

Improving the quality and productivity of pharmacometric modeling and simulation activities - the foundation for model-based drug development

Embracing change: a pharmaceutical industry guide to the 21st century

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