

Quantitative Systems Pharmacology (QSP) Therapeutic Areas

Our collection of validated QSP models across multiple disease and toxicologic areas sets the standard across industry. Our modelers have vast experience developing and utilizing these QSP models.



QST: Liver & Kidney Safety

- ✓ Drug induced acute kidney injury
- ✓ Drug induced liver injury (DILI)

QSP: Metabolic & Cardiac Conditions

- ✓ Cardiac wound healing & fibrosis
- ✓ Hypertension
- ✓ Myocardial infarction recovery
- ✓ Non-alcoholic fatty liver disease / steatohepatitis (NAFLD/NASH)
- ✓ Obesity
- ✓ Renal Diseases & interplay with cardiovascular system
- ✓ Type 2 Diabetes

QSP: Inflammatory Disease (Fibrotic & Autoimmune)

- ✓ Atopic dermatitis
- ✓ Complement pathway diseases
- ✓ Dermatomyositis
- ✓ Gout
- ✓ Idiopathic pulmonary fibrosis (IPF) & Interstitial lung disease (ILD)
- ✓ Inflammatory Bowel Disease (Crohn's & Ulcerative Colitis)
- ✓ Psoriasis & Psoriatic arthritis
- ✓ Rheumatoid arthritis
- ✓ Lupus (SLE & CLE)

QSP: Immuno-Oncology

- ✓ Acute myeloid leukemia (AML)
- ✓ Multiple myeloma (MM)
- ✓ Solid tumor (NSCLC, melanoma, prostate cancer, colorectal cancer)
- ✓ Diffuse large B-cell lymphoma (DLBCL)