Translation as a Scientific Framework: Human Relevance (Part 2)

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Translation the NTP Way

- Traditional Approaches
- Government context
- Precision Toxicology
- Predictive Toxicology
- New Approaches
- Cells ➔ Tissue ➔ Organ ➔ Organism
- Innovation ➔ Practice
- Animals ➔ Humans
- Science ➔ Regulation/Policy
- Anybody ➔ Somebody
Translation the NTP Way

- **Traditional Approaches**
- **Animals** → **Humans**
- **Science** → **Regulation/Policy**
- **Past bias**

- **Government context**

- **Precision Toxicology**
- **Anybody** → **Somebody**

- **Predictive Toxicology**
- **Cells** → **Tissue** → **Organ** → **Organism**

- **New Approaches**
- **Innovation** → **Practice**
Translation the NTP Way

- Traditional Approaches
- Animals → Humans
- Government context
- Science → Regulation/Policy
- Precision Toxicology
- Anybody → Somebody
- Predictive Toxicology
- Cells → Tissue → Organ → Organism
- New Approaches
- Innovation → Practice

Future bias
Translation as a Scientific Framework: Human Relevance (Part 2)

- Introduction
- Cancer Driver Mutations in Experimental Rodents and Prediction for Human Cancer
  - BSC Discussion
- Geospatial Human Health Exposure Science Connections to Toxicology
  - BSC Discussion

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