

# Accelerate your projects Move on to the next step

*Seasoned experts with over 100 IND submissions and more than 20 NDA/BLA applications offer solutions for any issues encountered.*

## Modeling & simulation

**Consistent support from nonclinical through clinical stages,  
partnering with LAP&P**

- ✓ Mechanism-based, population PK/PD modeling
- ✓ Estimation of clinical effective dose
- ✓ Optimization and streamlining of clinical trials
- ✓ Support of translational modeling



<https://lapp.nl/>

## Metabolite issues

**Comprehensive services for metabolite issues with  
considerable experience through practical drug development**

- ✓ Strategic consulting for metabolite evaluation
- ✓ Metabolite profiling (radiolabeled/nonlabeled, human/animals)
- ✓ Metabolite characterization by high-resolution accurate mass and NMR analyses
- ✓ Synthesis of reference standards and stable isotope labeled compounds

## Drug interaction

**Delivering global development expertise for drug interactions**

- ✓ Proposal and execution of streamlining in vitro studies
- ✓ Support for PBPK model based analysis
- ✓ Clinical prediction by in vitro studies and M&S