Externally Funded Research Projects

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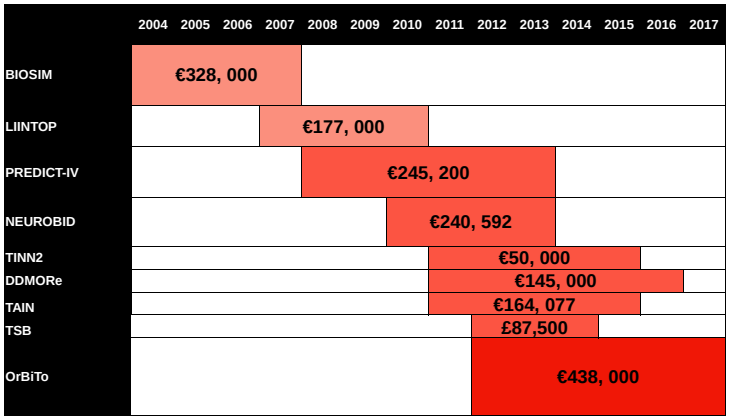
Summary

- Simcyp involvement in European grants started in 2004 with BioSim (an FP6 funded project)
- Participation in funded research collaborations has ↑ since 2007
- FP6, FP7 & IMI International Collaborative Projects have given €1,349,869 since 2004
- Other Funded Research Projects: £496,431 since 2002



Overview of the funds received from grant funding bodies (FP 6 & 7, IMI & TSB)

Ongoing grant projects

2012 – 2017 IMI

'Oral Biopharmaceutics Tool'

Aims to develop and validate novel, innovative and integrated experimental and theoretical models and methods that will significantly improve prediction accuracy of *in vivo* drug product performance. The project and its consortium have been designed to advance the capabilities within the European Pharma Industry for prediction of the complex human GI drug absorption mechanisms & to implement these new models and methods in industrial drug development settings.

2011 – 2016 Drug Disease Model Resources ddmore **IMI**

'Drug Disease Model Resources'

Aims to develop common definition language for data, models and workflows, along with an ontology based standard for storage and transfer of models and associated metadata. A drug and disease model library will be developed as a public resource.

2011 – 2015 Tinn2 **FP7**

'Treat Infections in Neonates 2'

Aims to evaluate azithromycin, included in the EMEA priority list of therapeutic areas that need specific drug evaluation, in preterm and term neonates.

2011 – 2015 tAIN **FP7**

'Treatment of Adrenal Insufficiency in Neonates'

Aims to develop a neonatal formulation of hydrocortisone.

2012 – 2014 Technology Strategy Board

'A User-Friendly Tool for Analysis of Complex In Vitro Experimental Data in Drug Discovery and Development'

Aims to develop a user-friendly software tool for analysis of *in vitro* data describing the metabolism, transport and receptor binding of drugs.

2010 – 2013 neurobid **FP7**

'Neuroscience on Barriers in Development'

Aims to understand the BBB in the developing brain along with improving the understanding of neurological disorders of infancy & those in adults with developmental antecedents and develop novel drug delivery strategies to the brain for large molecules.

2008 – 2013 **FP7**

'Profiling the Toxicity of New Drugs: A Non Animal-Based Approach Integrating Toxicodynamics and Biokinetics'

Aims to develop strategies to improve the assessment of drug safety in the early stage of development and late discovery phase in a rapid and cost effective manner by an intelligent combination of non animal-based test systems, cell biology, mechanistic toxicology and *in silico* modelling

2013 – 2014 NIH National Institutes of Health

'Mechanisms of Drug Disposition during Pregnancy'

UNIVERSITY of WASHINGTON

2012 – 2017 CRADA

'Development of Physiologically-Based Pharmacokinetic (PBPK) Dog Models to Support Veterinary Drug Evaluations'

FDA

2012 – 2017

'Improved In Vitro to In Vivo Extrapolation in Chemical Safety Risk Assessment of Human Systemic Toxicity'

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PhD Studentships & Industrial Fellowships

2013 – 2016 MRC CASE Studentship

'Dose Optimisation in Paediatric Oncology using Physiologically-Based Pharmacokinetic Models'

Newcastle University

Simcyp Contact for more information:

Jennifer Bonner

2012 – 2016 MRC CASE Studentship

'Assessment of Parameters for Quantitative Predictions of DDIs Arising from Induction of Metabolising Enzymes and Transporters'

UNIVERSITY OF LIVERPOOL

Simcyp Contact for more information:

Lisa Almond

2011 – 2014 Royal Commission Funded Studentship

'The Impact of Inter-Individual Variability in Human Intestinal Transport Protein Abundance and Function on Drug Absorption'

MANCHESTER 1824 The University of Manchester

Simcyp Contact for more information:

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