In-Silico, Predictive Formulation Development Tools and Computational Methods

Reckitt are looking to identify opportunities focused on the application or development of *in silico* computational and other rapid throughput predictive methodologies for predictive formulation design that can be applied to a wide range of different, novel, solid and liquid systemic and/or topical dosage forms to assess specific performance benefits, e.g. fast acting or long lasting. This is specific to over the counter (OTC) medications focused on the treatment of pain, cough cold & flu, sore throat and gastrointestinal (GI) relief.

Approaches of Interest

- Application or development of *in silico* computational and other rapid throughput predictive methodologies for predictive formulation design that can be applied to enhancing the design of dosage forms with any given active pharmaceutical ingredient (API)
- Modelling of formulation design, stability and characteristics to translate to *in vivo* pharmacokinetic performance target profiles. For example, computational tools to aid in the design of fast acting or long lasting formulations
- Predictive methodologies that can be applied to enhancing the design of dosage forms to deliver specific benefits with any given API, for example, optimising for enhanced bioavailability or sustained release
- Predictive methodologies that can be applied to a wide range of different, novel, solid and liquid systemic and/or topical dosage forms
- Opportunities should have relevant data generation, with preference for *in vivo* data generation. *In vitro* and *ex vivo* validations re also of interest

Out of Scope

- Opportunities focused on computational modelling focused on drug repurposing or toxicity estimation software
- Opportunities focused on prescription medications (non-over the counter medications)
- Methods of rapid-throughput screening in a laboratory-based setting
- Approaches and tools that will provide predictive suggestions of simple formulations, but without consideration of the performance characteristics being sought

Submission Information

Submission of one page, 200-300 word briefs are encouraged. In submitting to this campaign, you confirm that your submission contains only non-confidential information.

Opportunity for Collaboration

Reckitt is open to a range of collaboration opportunities, with the most appropriate outcome being decided on a case by case basis. Example outcomes include licensing assets, project/PhD funding, and research collaborations.

Opportunities sought

- 💡 Technologies
- 🎓 Academics and expertise
- 🎖 Centres of excellence
- 📒 Research projects
- 🏢 Spinout companies

Submissions

Please submit relevant, non-confidential opportunities online via: discover.in-part.com

Deadline: **19th July 2021 - 10:59 pm GMT**

Have any questions?
Contact our team at discover@in-part.co.uk

reckitt Reckitt are a global health and hygiene company in pursuit of a cleaner, healthier world. Through research and development, science and partnership, they make products that people have loved and trusted for generations.