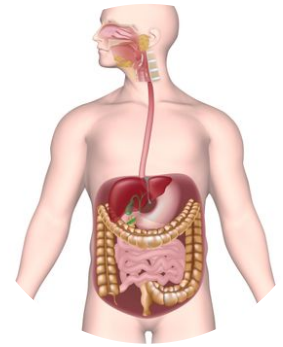


## Mechanism of Exosome Uptake from the Gastrointestinal Tract

Johnson & Johnson Innovation wishes to identify research focused on **the mechanism of exosome uptake across the gastrointestinal (GI) epithelium, including identification of the uptake pathway involved, where in the GI tract this occurs, transport kinetics and efficiency, and substrate specificity**. Our client is seeking to identify research focused on the mechanism of exosome uptake in the GI tract with a view of **applying this knowledge to the oral delivery of macromolecules**.



### Approaches of Interest

#### *Identification of the mechanism of exosome transport across the GI epithelium:*

- Determination if this is active or passive uptake, or combination
- Identification of any dominant pathways
- Identification and involvement of which receptor(s)
- Involvement of transcellular or paracellular transport
- Identification of any exosome ligands that initiate this uptake

#### *Determination of substrate specificity and any species dependencies:*

- Characteristics of exosomes preferentially transported
- Cross-species differences in uptake




### Developmental Stages of Interest

Johnson & Johnson Innovation is interested in identifying research at an early stage of development, with a focus on basic through to preclinical level. A demonstration that *in vitro* transport correlates with *in vivo* transport and any species differences is advantageous.

### Submission Information & Potential Collaborations for Academics

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

#### Opportunities sought

-  Spinout companies
-  Research projects
-  Centres of excellence
-  Academics and expertise
-  Technologies

#### Submissions

Please submit relevant, non-confidential opportunities online via: [discover.in-part.com](https://discover.in-part.com)

Deadline: **18th October 2021 - 10:59 pm GMT**

#### Have any questions?

Contact our team at [discover@in-part.co.uk](mailto:discover@in-part.co.uk)