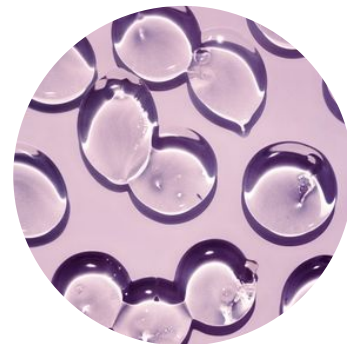


Advanced Materials for Incorporating Immobilised Enzymes: Preparation, Processes and Applications in Chemical Catalysis



A privately held, US headquartered, multinational materials science company (>\$4B revenue) focused on discovery and product innovation is seeking **materials and processes for the immobilisation of enzymes used for catalysis**. In particular, our client is looking for **methods to manipulate the material properties, reactor configurations and reaction process conditions to increase the activity, selectivity, durability and/or recyclability of immobilised enzyme catalysts**.

Approaches of Interest:

- Centres of Excellence in **preparing and characterising immobilised enzyme biocatalysts**
- Research groups developing **novel porous materials** (organic or inorganic chemistries) **for enzyme immobilisation**
- Research groups developing **novel immobilisation strategies that enhance the activity, selectivity, durability and/or recyclability of immobilised enzyme biocatalysts**
- Technologies that can **reduce or remove the barriers to commercialisation of immobilised enzyme bioreactors**
- Expertise in understanding **enzyme-support interactions relevant to biocatalytic systems**
- Groups developing **novel reactor schemes to leverage biocatalysts immobilised on structured supports** (e.g., monoliths, membranes, etc)
- Key opinion leaders in industrial biotechnology that can speak to the **TRL of technologies like mentioned above and what barriers to commercialisation exist**
- **Applications in specialty chemicals, natural products and green chemistry are preferred**

Out of Scope:

- Technologies focused on the development of immobilised enzymes for drug delivery or analytical applications such as biosensors
- Technologies aimed at enzyme engineering or *de novo* enzyme design

Stages of Development:

Technology readiness level at TRL 2 and above is of interest






Submission Information:

Submission of one page, 200-300 word briefs are encouraged, along with any optional supplementary information e.g., relevant publications and patents. In submitting to this campaign, you confirm that your submission contains only non-confidential information.

Opportunity for Collaboration:

Our client is open to a range of collaboration opportunities, with the most appropriate outcome being decided on a case-by-case basis. Example outcomes include consulting agreements, project 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: **30th August 2022 - 10:59 pm GMT**

Have any questions?

Contact our team at discover@in-part.co.uk

