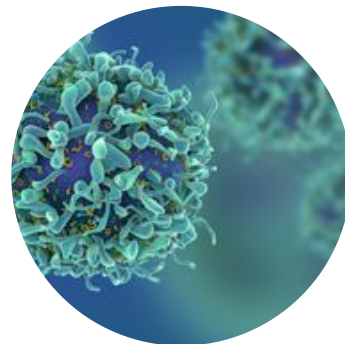


Generation of iPSC-derived T Cells for Therapeutic Use

A global pharmaceutical company with cutting-edge capabilities in drug development and a history of successful academic collaborations wishes to identify research related to the **generation of T cells, both alpha beta and gamma delta T cells, from induced pluripotent stem cells (iPSCs)**.



Approaches of Interest

- Differentiation of iPSCs into haematopoietic stem and progenitor cells (HSPC) in feeder cell-free systems
- Differentiation of iPSC-derived HSPC into T cells in feeder cell-free system with improvements to shortening the differentiation cycle
- Expansion of iPSC-derived T cells in feeder cell-free system
- Approaches to increase the lymphoid potential of iPSC-derived cells, e.g. pathways, genetic modifications, transcription factors, reagents or culture conditions
- Insights into T cell receptor gene (TCR) rearrangement and strategies to prevent or monitor TCR rearrangement
- Approaches to improve the functional attributes (e.g. cytokine secretion) of iPSC-derived T cells, e.g. pathways, genetic modifications, transcription factors, reagents or culture conditions
- All improvement to the above processes where there are promising good manufacturing practice methods, scalable processes and technologies to advance the allogeneic platform
- Applications in oncology are of interest

Out of Scope

- Natural Killer cell focused research is of lesser interest, although intermediate NKTs are within scope

Stage of Development

- Opportunities from basic through to clinical phase I are within scope



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

Potential Collaborations for Academics

- 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 licencing 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: **9th May 2022 - 10:59 pm GMT**

Have any questions?

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