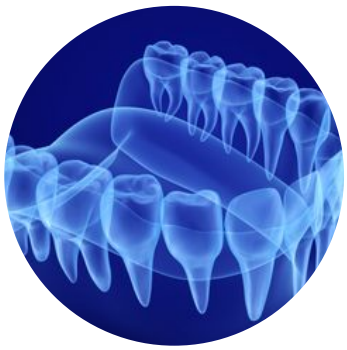
IN-PART DISCOVER

Industry Call for Opportunities

High-speed 3D Scanning Technologies for Oral Applications



A multinational restorative dentistry company, recognised as an industry-leader in materials and devices manufacturing, is looking for **novel 3D scanning technologies that can be applied to the oral environment**.

Our client is interested in technologies that can be developed to improve on current methods using structured light scanning. The company is actively seeking approaches to produce 3D images with **improved scanning speed** (>70 fps preferred) and **reduced scanning costs**. Technologies that improve scanning accuracy and ease of use are also of interest.

Approaches of Interest:

- The technology should be able to achieve resolution in the 25-50 micron range and acquire colour imaging
- Approaches using confocal microscopy or OCT are of less interest
- Scanning technologies should be applicable to the oral environment i.e. with a scanning probe or instrument that can fit in the human mouth
- Developments to improve structured light scanning are of interest if they address scanning speed or cost
- Scanning technologies from other fields which have the potential to be applied to the oral environment are also of interest

Stage of Development:

- Technology readiness level at TRL 3 and beyond are of interest, with a particular interest in technologies that have proof of concept or experimental validation

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 licensing assets, investment and research collaborations, with significant multi-year funding available dependent on the potential for technology development. There is also potential for ongoing research collaboration beyond this venture.

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: **12th September 2022 - 10:59 pm GMT**

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