Seeking Novel Research on Silicon Photonics Technology

A global leading technology company is seeking **novel research and expertise in silicon photonics materials and technologies**. Silicon photonics is expected to be utilized across a wide range of fields, including communication infrastructure, high-performance computing and medical applications. Our client is interested in advancements in all areas, including **integrated photonics** and **optoelectronics**, that is characterized by **low power consumption**, **high density**, **high integration**, and **high-speed performance**.

Approaches of Interest:

- **Technologies relevant to all applications of silicon photonics are of interest**, including optical communication for data centers, optical interconnects, LiDAR for automotive and industrial applications, medical sensing (e.g. glucose sensing), and novel applications
- **Novel photonics materials** beyond silicon are also of interest, e.g. silicon nitride, germanium, organic photonics
- **Cost-effective** and **low-power technologies** are of particular interest

Developmental Stages of Interest:

- Opportunities from TRL 2 to TRL 5 are within scope

Submission Information

Submission of one-page, 200–300-word briefs is encouraged, along with any optional supplementary information e.g. relevant publications. This campaign is also open to submissions from SMEs and start-up companies. 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 research collaborations and funding, or licensing of assets.

Opportunities sought

- ♀ Technologies
- 🎓 Academics and expertise
- 🏆 Centres of excellence
- ⚗ Research projects
- 🏢 Spinout companies

Submissions

Please submit relevant, non-confidential opportunities online here

Deadline: **2nd June 2025 - 10:59 pm GMT**

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