

## Seeking Short Wave Infrared Thin Film Photodetector Materials

A global chemical and materials company is seeking **novel research and expertise in short wave Infrared (SWIR) thin film photodetector materials and devices**. In particular, our client is interested in finding research on materials that can **efficiently convert SWIR light into electric current** for a range of applications, including surveillance and medical imaging.



### Approaches of Interest:

- **Organic polymer and monomer, quantum dot, and perovskite** photodetector materials and devices are of particular interest
- Materials and devices should operate with a wavelength within the **1000 – 1500 nm** range
- Priority will be given to materials and devices with a **high external quantum efficiency (EQE)** and **low dark current**
- Materials that are **easily coatable** are preferred

### Out of Scope:

- Materials that operate with infrared wavelengths greater than 1500 nm (e.g. graphene)

### Developmental Stages of Interest:

Our client is interested in opportunities at all stages of development.





### Submission Information

Submission of one page, 200-300 word briefs are encouraged, along with any optional supplementary information e.g. relevant publications. 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, 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 [here](#)

Deadline: **29th January 2024 - 11:59 pm GMT**

#### Have any questions?

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