Novel Fluorescent Chromophores with High Colour Purity and High Radiative Efficiency

This campaign has been commissioned by a global chemical company committed to delivering various forms of energy and materials in a sustainable manner. They are seeking Academic Experts, Technologies, Research Projects and Centres-of-Excellence in the field of Fluorescent Chromophores.

Key Features

- Must be neutral organic molecules or metal-organic complexes.
- Relative Molecular Mass (RMM) must be less than 1000.
- Photoluminescence quantum yield (PLQY) must be greater than 80%.
- Chromophore must display a fluorescence spectrum with an emission peak between 400-500nm and full width half maximum of <30nm (FWHM).
- Availability of corresponding spectral data is required.

Out of Scope

- Salts and polymers.
- Phosphorescent chromophores.
- Inorganic chromophores.
- Quantum dots.

Stage of Development

- TRL 3-4.

Submission 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.