

The client

Our client is developing cannabis-based edible products for the **consumer lifestyle market** and is looking for expert advisers and enabling technologies to assist their R&D and product innovation activities. Edible cannabis products are difficult to formulate because of the low water solubility and poor bioavailability of cannabinoids. Our client is interested in working with individuals and organisations with formulation expertise in delivery systems to improve the bioavailability of cannabinoids in gummy and beverage products.

The search

Our client wants to collaborate or partner with recognised experts and/or technology developers including companies, consultants, scientists, academics and research organisations. Expertise in the following areas is of particular interest:

Experts

Our client is keen to work with experts in nanocarriers including nanoemulsions, liposomes, solid-lipid nanoparticles and microemulsions. They are looking for formulation expertise in the use of these delivery systems for oral delivery of cannabinoids or other lipid-soluble actives e.g., natural compounds, drug APIs, fat soluble vitamins. They would like to work with technical advisers who can help them develop cannabis edibles and food supplements e.g., gummies and beverages with improved bioavailability.

Technologies of interest

Of primary interest are nanoemulsions, but other technologies of interest include (but are not limited to) self-emulsifying drug delivery systems, microemulsions, solid-lipid nanoparticles, encapsulation, liposomes, stabilizers, permeation enhancers, complexing agents.

Preferred requirements

- Delivery systems with a proven fast-onset effect
- Technologies that can provide a dose of up to 50 mg of cannabinoids per unit product
- Nanocarrier formulations with reduced or masked bitter taste
- Formulation technologies that are stable to 75-110°C and acid at pH 3-4
- Formulations and ingredients that comply with regulations for cannabis edibles or food supplements in Canada and USA

Development stage

Our client is looking for technologies that are ready to use, require minimal development work and that are scientifically verified

Technologies may come from a range of industries

Food and dietary supplements, nutraceuticals, food and beverages, pharmaceuticals and drug delivery companies.

Out of scope

Suppliers of standard emulsifiers e.g., lecithin and phosphocholines.

What the client can offer

Our client has the necessary licenses for product development activities with cannabis and a strong track record of establishing collaborations and excellent working relationships with technology developers and research partners of all sizes. Please provide details of any potential technology partner or expert to Diane Kolonko via diane@strategicallies.co.uk
