

The client

Our client is developing cannabinoid-based products for the **consumer lifestyle market** with a particular focus on benefits to consumer mood and wellness. They are looking for assistance with their R&D and product innovation activities from individuals and organisations with expertise in Cannabis plant science, the chemistry of cannabinoid (e.g., CBD, CBN and THC) and terpenoid compounds and their effects on humans, as well as the safety of those compounds.

The search

Our client wants to increase their knowledge of Cannabis and build a network of scientific expertise they can draw on. They want to **engage with recognised experts, consultants and scientists, research organisations, and suppliers of research tools, who are working on cannabinoid and / or terpenoid compounds or Cannabis plants**. The following areas are of particular interest:

Expertise in Cannabis plant science

- Experts in the biosynthetic pathways of Cannabis plants
- Biotechnology expertise in tissue culture and molecular transformation of Cannabis plants

Experts in cannabinoid and/or terpenoid science

- Experts who are familiar with the scientific literature on cannabinoids and/or terpenes – who can synthesize research summaries and write reviews
- Analytical chemists familiar with the characterization, stability, and degradation of cannabinoid and terpenoid compounds
- Chemists developing new methods for identifying and purifying minor cannabinoids
- Pharmacologists, neuropharmacologists, and experts in receptor binding, downstream signaling and tolerance via CB1, CB2 or other receptors involved in the endocannabinoid pathway and entourage effect
- Experience of competitive receptor binding by multiple cannabinoids
- Experts in pharmacokinetics, ADME of cannabinoids, and bioavailability across different routes of administration, and translation of results from cell-based assays to humans
- Pre-clinical studies on cannabinoids e.g., cell-based assays or binding assays and exploration of additive, synergistic or competitive effects

Expertise in consumer studies on Cannabis

- Measurement of behavioral or emotional responses as end points to consumer studies
- Expertise in consumer safety and cannabinoids, adverse events in consumer studies and population level concerns e.g., from long-term consumption of cannabinoids and terpenoids

Partners may be able to offer a combination of consultancy, tools and/or physical facilities. They should be able to demonstrate their capability and experience – evidence of relevant scientific knowledge by way of patents, publications, or established work programs is essential.

What the client can offer

Our client's laboratories have the necessary licenses for R&D activities with Cannabis and a strong track record of establishing collaborations and excellent working relationships with suppliers and research partners of all sizes. Please provide details of any potential technology partner or service provider to Diane Kolonko via diane@strategicallies.co.uk