

TechConnect Ventures
Sprint Challenge Brief:

Converting Carbohydrates to Crystalline Formats

BACKGROUND

Mondelez, a global leader in the food and beverage space, is interested in exploring novel formats for food ingredients. In particular, Mondelez would like to investigate crystalline formats for oligosaccharides. Utilizing crystalline carbohydrates will allow the company to experiment using well-established ingredients in different ways to achieve innovative experiences and formats for consumers.

To facilitate this development, Mondelez is interested in collaborating with experts and companies that possess technology to crystallize short to medium chain oligosaccharides (DP 3-5).

All technologies for crystal production are of interest, including those adapted from other industries such as protein crystallization approaches from the pharmaceutical industry. Individuals possessing expertise with crystalline hydrate formation are also welcome to respond to this project. Additionally, all technical maturities that are currently capable of producing carbohydrate crystals are of interest, regardless of production yields at present.

Mondelez intends to engage collaboratively with experts and companies to test multiple oligosaccharides for their crystallization properties and end-use performance. As a consequence, the ideal respondent will be able to conduct research on samples provided or requested by Mondelez. Experts able to proactively make recommendations to Mondelez regarding their crystallization efforts are highly desirable as well.

Subject matter experts able to provide theoretical guidance and insight into crystallization technologies and processes are also of potential interest.

The goal of this sprint is to facilitate contact and interactions between the Sprint sponsor and commercial entities (including Start-ups) or technology developers or research organization/university in this space. Submissions from all viable subject matter experts are of interest including those from academia and commercial entities.

REQUIREMENTS

Solvers submitting an Entry are encouraged to highlight capabilities in their Submission that meet criteria including:

- Overview of proposed technology or process
- Suitable carbohydrate(s)
- Estimates for output:
 - Yield
 - Purity
 - Size & distribution
- Suitability for food applications, if known
- Technical maturity
- Ability to conduct experiments

BUSINESS OPPORTUNITY FOR SOLVERS

All complete and eligible Entries will be included in an exclusive Innovation Opportunity Report that will be presented to our client. Solvers with well-matched capabilities may be contacted directly by either TechConnect Ventures or the client to discuss potential partnership opportunities, including – but not limited to – demonstrations, consulting, contract research, licensing, and more. Top-rated Entries may also be invited to register or participate in an upcoming TechConnect Ventures event or pitch program.

PARTICIPATION RULES & GUIDELINES

Solvers are encouraged to review the Rules and Guidelines provided on the Sprint page for details about participation, including submission criteria, eligibility information, and more.

QUESTIONS? Contact Executive Director, Nick Kacsandi at info@techconnectventures.com