



| Session                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Start-ups/SMEs looking for Finance: pre-seed/angel/seed funding |
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| Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Building key supply chains for bioeconomy                       |
| Company                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | JunkemBio                                                       |
| Speaker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Rodolfo García Cortés                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                 |
| Keywords feedstock (max. 2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Bread Waste                                                     |
| Keywords technology (max 2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CBP, SSF                                                        |
| Keywords End-Product (max 2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Glucose, organic acids                                          |
| <b>Abstract:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                 |
| <p>Economic competitiveness of bioproducts rely on feedstocks. Nowadays most biochemical production depends on agriculture, corn, sugarcane and other carbon sources that have expensive costs like use of land, harvest and feedstock processing.</p> <p>Using different feedstocks like food waste, allow to cut down costs up to 70%, also delivering value to the whole value chain.</p> <p>We have developed a Consolidated Bioprocess (CBP) that allows co-fermentation and food waste processing in a single bioreactor, making it feasible to optimize initial startup cost, feedstock handling and a scale up potential for a multi-use chemical platform, like organic acids, protein, enzymes, specialty chemicals and precision fermentation products.</p> <p>We are working on a scaling-up plan and pilot plant facility for glucose production to help biomanufacturing companies and start-ups enhance their rentability.</p> |                                                                 |