

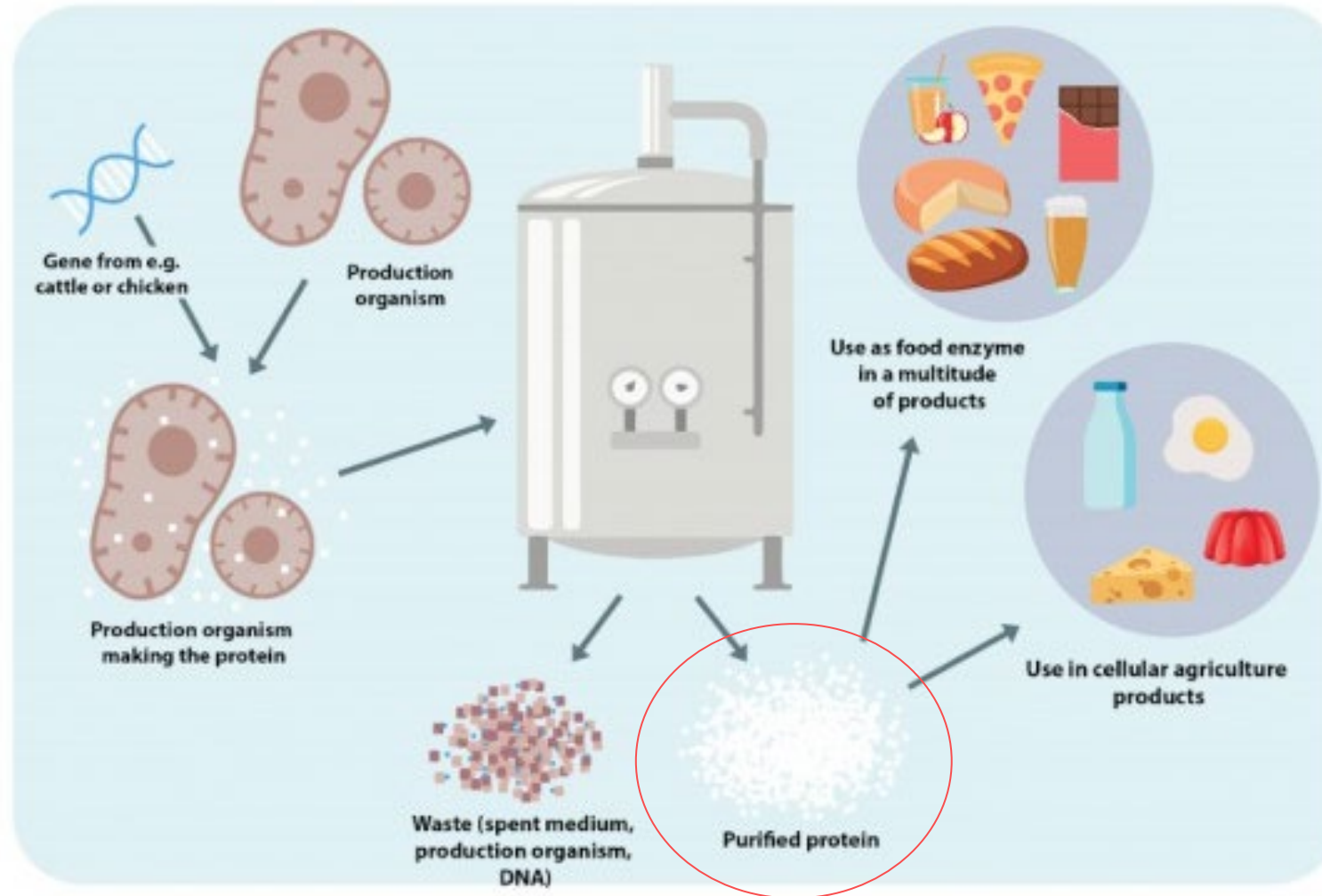
Aug 2020

Cultured Proteins: *Implications for markets, and improved health, development and environmental outcomes*

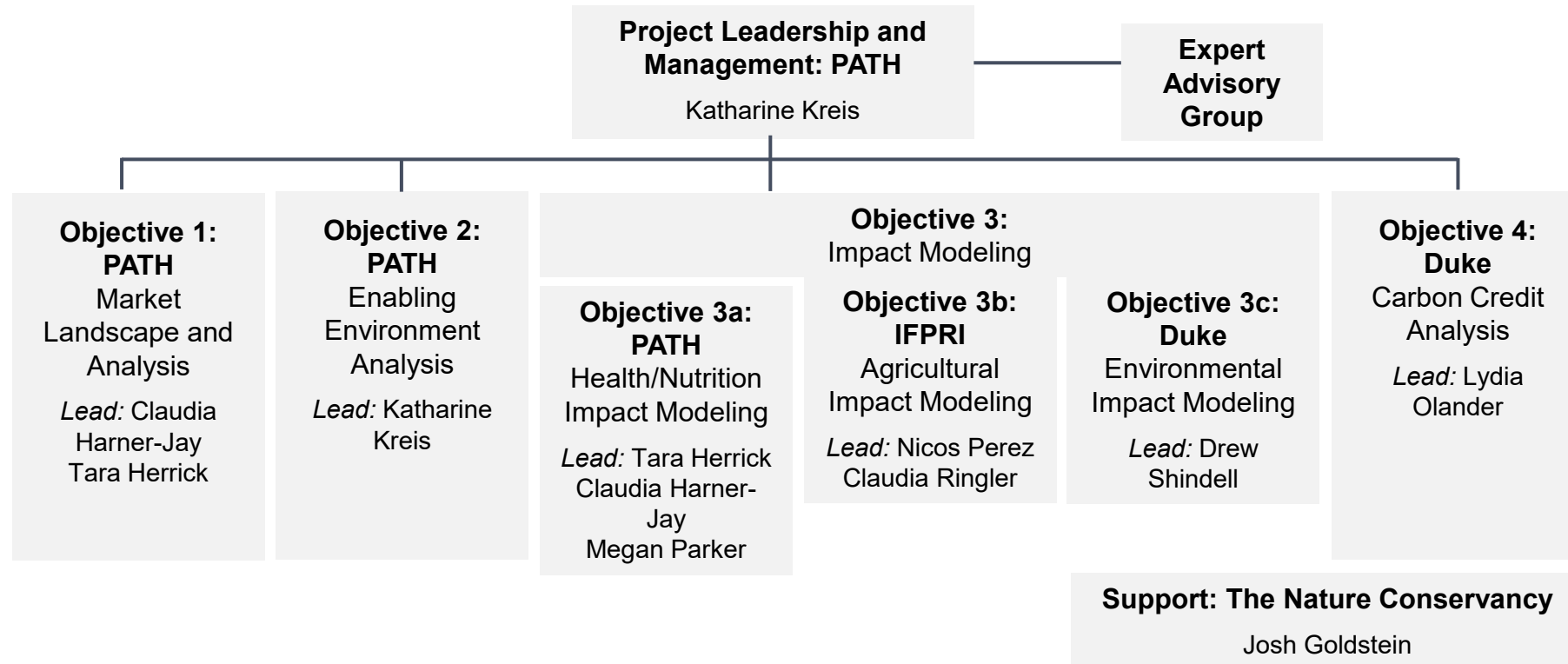
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What are “cultured proteins”?



Bridge Collaborative Multi Sectoral Assessment Approach



Market Landscape Assessment Key Findings

The milk and egg market size is large, and consumption varies dramatically by country income level

The cultured protein market is at a pivotal phase--products launched earlier this year

Stakeholders had positive perceptions of cultured protein use in LMIC settings but questioned whether cost reductions were feasible

Link to Full Report: [Market Analysis for Cultured Proteins in Low- and Lower-Middle Income Countries](#)

Enabling Environment Analysis Key Findings

The industry is rapidly evolving

Multiple potential regulatory pathways exist and will depend on the final products that are launched

Regulatory considerations for GMO, will vary by country

Link to Full Report: [Cultured Proteins: An Analysis of the Policy and Regulatory Environment in Selected Geographies](#)

Impact Modeling and Carbon Credit Analysis (Publications Pending)

Modeling indicates that new production technologies for cultured milk proteins could have implications for health outcomes (stunting, respiratory deaths), agricultural outcomes (crop area and water consumption associated with dairy production and other environmental outcomes)

Cultured milk protein production has a lower GHG emissions footprint than traditional milk and the differential in GHG emissions is sufficient to pursue further investigation of carbon credit generation

While not explicitly studied, cultured proteins reduce zoonotic disease risk and other food safety risk along livestock value chains