Exploring the potential of waste seafoods for conversion into products that benefit heart health

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Summary

This project aims to explore the potential of waste material from the seafood processing industry to be converted into functional products that can benefit heart health

Aims

- Explore the potential of seafood processing remainders to be converted into functional products to benefit cardiovascular health
- Utilisation of residual protein from shell waste through targeted protein breakdown, and subsequent screening for targeted bioactivities

Outcomes

- Demonstrated optimised conditions regarding hydrolysis reaction for highest bioactive peptide release and concomitantly increased bioactivity
- Established the added value of crustacean shell protein hydrolysate with potential for functional application development

This proof-of-concept project was awarded by the Biomass Biorefinery Network and funded by BBSRC. For more information visit bbnet-nibb.co.uk.