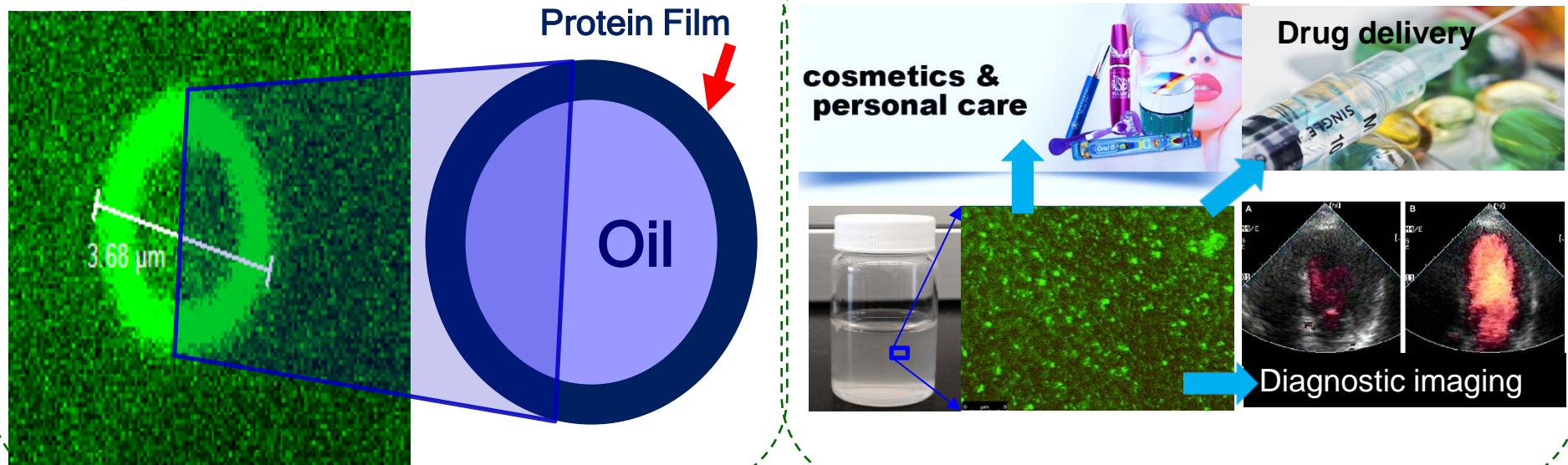


# Protein-Based Nano-Emulsions

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**Overview:** A set of simple steps has been developed to prepare the protein-based O/W nanoemulsion systems. In comparison to the existing lipid-based nano-emulsion systems, the protein-based nanoemulsion systems developed here are likely to offer many advantages: tunable stability and bio-compatibility; control over sizes; and compatibility with a wide range of the existing 'personal care'/pharmaceutical systems.



**Technical Information:** Protein film - a continuous structure of protein aggregate - encapsulates oil drops in O/W nano-emulsions

**Industrial Relevance:** Personal Care, Food/Agriculture, Energy and Catalysis, Petroleum, Drug delivery and Therapeutic Diagnosis