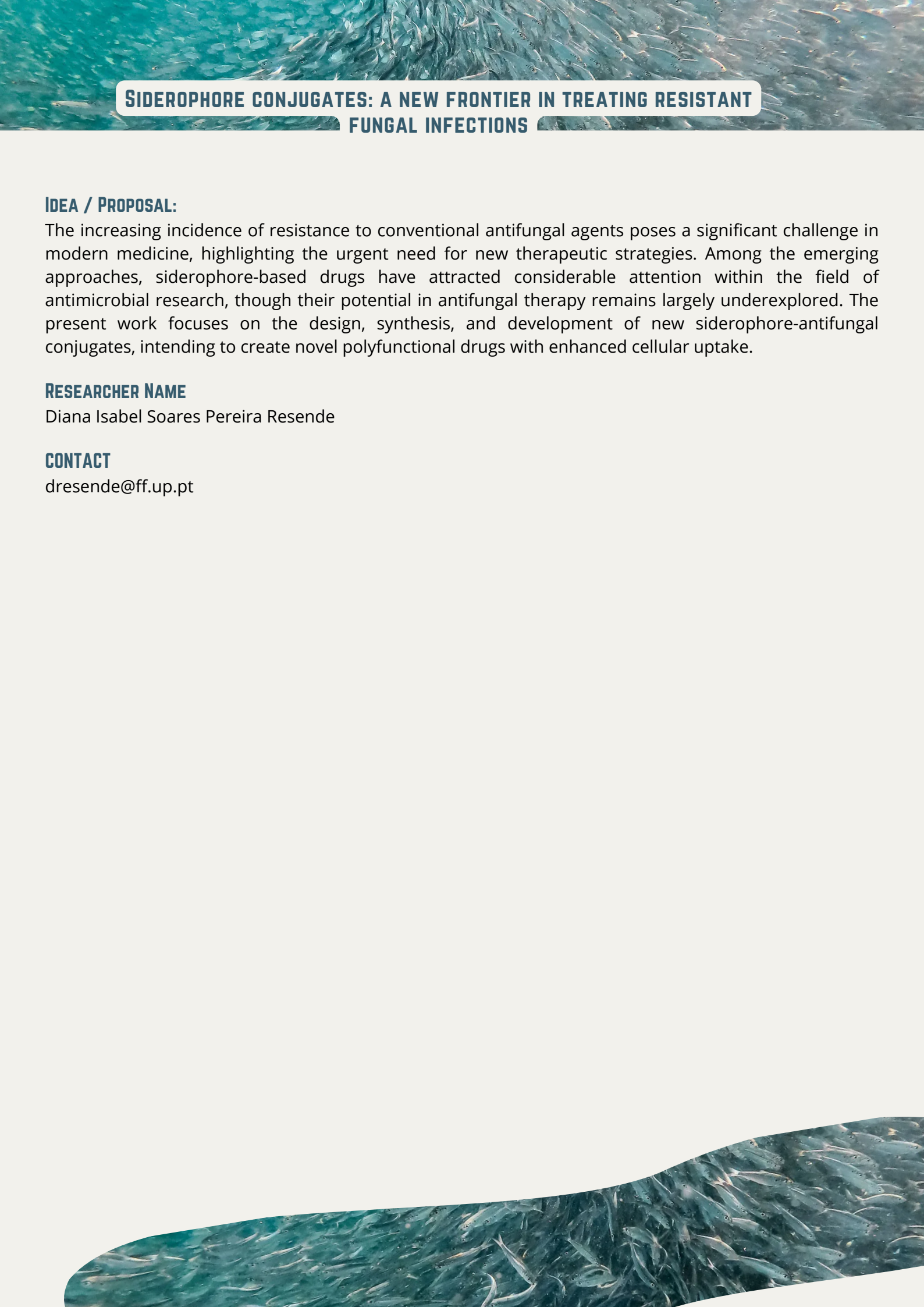




SIDEROPHORE CONJUGATES: A NEW FRONTIER IN TREATING RESISTANT FUNGAL INFECTIONS

IDEA / PROPOSAL:

The increasing incidence of resistance to conventional antifungal agents poses a significant challenge in modern medicine, highlighting the urgent need for new therapeutic strategies. Among the emerging approaches, siderophore-based drugs have attracted considerable attention within the field of antimicrobial research, though their potential in antifungal therapy remains largely underexplored. The present work focuses on the design, synthesis, and development of new siderophore-antifungal conjugates, intending to create novel polyfunctional drugs with enhanced cellular uptake.

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