

Dr Hina Raza

PhD Pharmaceutics

Bahauddin Zakariya University Pakistan

Post Doc -Vaccine development

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<https://scholar.google.com/citations?user=gUVxnPEAA>

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Hina Raza is an academic scientist and Teaching Pharmacist with a strong educational background in Pharmaceutical Sciences and drug and vaccine delivery. Having skills in the development of needle-free vaccine carriers with a special focus on Protein-based vaccines, and conjugated vaccines.

Proven ability to implement policies, collaborate with fellow research associates, and ensure regulatory compliance.

Aim to develop a patient-centred research focus that will benefit the wider population including those in low-resource countries.

Research Project:

Postdoctoral fellowship Development and characterization of Novel Thermoresponsive sublingual vaccine for sublingual delivery of FliC and Cwp84 vaccines against *Clostridium difficile* (2020 – 2021) **Higher**



Area of Specialization

Drug delivery system
Targeted Drug delivery system
Vaccine carrier development
Oral vaccines for poultry

Publications

I have more than 30 Publications in my relevant field.

Certificates

1. Drug Development and management
2. ISO 9001:2015 - Quality Management System (QMS)

Research Project

Leading various research projects for targeted antigen delivery in broiler chicks to provide enhanced immunity

Research Grant: Development and Evaluation of oral pH-responsive microparticles encapsulating inactivated *E. Coli* to provide immunity in Broiler Poultry to Combat Antibiotic Drug Resistance **BactiVac Catalyst Projects BVNCP7-16**

and reduce antimicrobial resistance in both chicks and humans.

International Conferences and Workshops

1. Bactivac Grant Writing Workshop 17 October 2023. Edgbaston Park Hotel & Conference Centre, University of Birmingham, UK as participant
2. Poster Presentation **4th Annual Network Meeting 18-19 October 2023, Birmingham, UK** entitled *Sublingual immunization with Clostridium difficile FliC and Cwp84 antigens formulated in a thermoresponsive gel elicits both mucosal and serum antibody responses in mice.*
3. Poster Presentation **5th Annual Network Meeting 4 – 7 November 2024 Ho Chi Minh City, Vietnam.** Entitled *Development and Evaluation of Oral pH-responsive microparticles encapsulating inactivated E. coli to provide immunity in Broiler Poultry to combat Antibiotic Drug Resistance*
4. Short Talk 2024 conference (Saturday 9 and Sunday 10 November) in Ho Chi Minh City, Vietnam. entitled: *Development of Inactivated vaccine against food-borne multi-drug resistant Salmonella Enteritidis for broiler Chicks.*
5. Importance of Using Vaccines Instead of Antibiotics in Fish Farms On 12th November 2024 (Can Tho University - Vietnam) as organizer

Reference

1. Dr Sudaxshina Murdan
Associate Professor in Pharmaceutics
UCL School of Pharmacy
2. Dr Tran Thi Tuyet Hoa
Cantho University, Vietnam