



Islam Mohamed Nour Hassan Mohamed

Postdoctoral Scholar, Pediatric Surgery

Bio

BIO

Dr. Islam Nour is a molecular virologist with over fifteen years of research experience spanning viral genomics, reverse genetics, and structural-functional analysis of pathogenic RNA viruses. As a previous postdoctoral fellow in Molecular Virology at USDA-ARS, he designed and deployed reverse-genetics systems for IBDV and avian reovirus, integrated Illumina and Oxford Nanopore sequencing with comparative genomics, and coupled these approaches to IHC/IF-based pathogenesis models. His earlier work on rotavirus and SARS-CoV spike evolution, protein modelling, and molecular viral surveillance further strengthened his ability to connect viral sequence variation to phenotypic outcomes and tissue injury. He is particularly motivated to bring this mechanistic and translational expertise to multidisciplinary clinical teams in pediatric liver disease and transplantation in division of pediatric surgery in Stanford Medicine, contributing rigorous viral pathogenesis, vector design, and protein expression skills to clinically relevant models and biomarker discovery.

HONORS AND AWARDS

- Research Excellence Award, King Saud University (2022)
- Annual Performance Award, Inaya Medical College (2013)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Active Member, National Postdoctoral Association (NPA) (2023 - present)
- Postdoctoral Fellow Member, American Society for Virology (ASV) (2023 - present)

STANFORD ADVISORS

- Gregory Tiao, Postdoctoral Faculty Sponsor

LINKS

- LinkedIn: <http://linkedin.com/in/islam-nour-6827b472>
- Orcid: <https://orcid.org/0000-0002-6661-0982>