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Dr. Mitali Mukerji, FASc, FNASc
Professor and Head

To whom It May Concern

Dr Mohammed Faruq is a physician scientist working at interface between clinics and disease genomics. Over the last 15 years he has set up frameworks for enabling precision medicine in rare diseases in India with special focus on hereditary ataxia and the largest genetic registry of patients that include IPSCs lines. He has developed algorithms for rapid and affordable diagnostics and provided high quality services to the patients that has benefitted over 700 families of hereditary ataxias. His research with cutting edge technologies has lead to deconvolution of phenotypic and genetic heterogeneity of ataxia, discovery of new genes, development of targeted panels as well as a test bed for drug discovery and repurposing. His major contributions has been in SCA12 and FRDA.

He in collaboration with a Spanish group, has co-discovered a mutation that causes acromesomelic skeletal dysplasia by a novel gene cGMP-dependent type II protein kinase gene (PRKG2). Faruq has expanded clinical genetics in the country through a unique GOMED programme (http://gomed.igib.in) that has provided 45, 000 tests in over 300 genetic disorders to clinicians Pan-India for more than 11000 patients. The resource generated holds potential for novel discoveries. He has published over 70 papers in peer reviewed journals and generated 300 single gene tests and licensed 27 genomics test to Lal Path Lab Pvt Ltd. one of the largest service providers in the country.

Mitali Mukerji