

**Signed statement from the applicant to the effect that the research work under reference has not been given any award in the past. The applicant should also indicate the extent of the contribution of others associated with the research and he/she should clearly identify his/her achievements (not to exceed 500 words)**

I, Sheffali Gulati joined AIIMS as an UG(1988), was part of the team which started the first DM-Pediatric Neurology Program in South Asia(2004), leading since 2008. Has mentored/mentoring DM Pediatric Neurology(51)/other DM(4)/PhD(18)/MD(43),and trainees(18) from across the world.

Over 26 years of experience, affianced in Research and teaching. Has foreseen and developed Pediatric Neurology in India as a specialty(academics/clinical care/patient education/research/advocacy) and has received many International/National awards.

Envisioned, conceptualized and is faculty in-charge of Centre of Excellence and Advanced Research for Childhood Neurodevelopmental Disorders:providing high quality affordable care for all sections of the society, performing high end diagnostic/therapeutic research, developing a National registry and acting as a education/training hub;National Child Neurology Helpline(24X7;toll free)/Tele-Consultation Services.

**Has 405 research publications (including NEJM, JAMA pediatrics), Citations: 6605; h-Index 38; i10-index 142; 570 abstracts.**

- Innovations in teaching/Empowering professionals/parents [www.pedneuroaiims.org](http://www.pedneuroaiims.org) (bilingual Education material/Seizure card/videos; Mobile app:-Pedneuroaiims Diagnostics- Autism, Epilepsy, ADHD, Neuromotor impairments(google/ios);E-learningmodules:[www.pedneuroaiims.chalopadho.com](http://www.pedneuroaiims.chalopadho.com); Neuroparmacopeia; Remedial intervention program for Specific Learning Disability(SLD) – An artificial intelligence based web page application developed

Research: National/International(NIH; Autism speaks; MRC, UK, DBT, ICMR, DST, UNICEF, WHO, National trust, USAID ,MOHFW; AIIMS-UCL collaboration)leading to innovations/advocacy

- Developed/Validated culture sensitive Screening/Diagnostic Instruments: Autism, ADHD, Epilepsy, Cerebral Palsybeing used in the National Programme“Rashtriya Bal SwasthyaKaryakram(Ministry of Health and Family Welfare)/autism certification by Ministry of Social Justice and Empowerment.Trainer of Master trainers for Autism
- Drug refractory epilepsy: Developed and studied indigenous novel dietary therapies: 13 studies including RCTs,Neuromodulation:rTMS(NEJM/JAMA Pediatrics)
- Autism: etiopathogenesis/biomarkers RCTs-Probiotics, GFCF diet, Music therapy;sleep disturbances, neurorehabilitation(virtual/augmented reality/Artificial intelligence/Robotics/textile-based/Alternative-Augmentative-Communication app, scalable mobile platform for screening,Communication-centered Parent-mediated treatment for Autism in South Asia, iPSC, exosomes.
- Neuromuscular disorders: Skin biopsy to replace muscle biopsy, RCTs:DMD-Ataluren, exon skipping; SMA-Gene therapy and humanitarian access: SMA-Zolgensma, Spinraza, Risdiplam

- Cerebral palsy: Constraint-induced-movement-therapy along with Virtual reality assist or rTMS
- LGIT(intermittent)-RCT(Expert member of CORE-KDT(International Consortium))

Officer bearer: International Society for Autism Research:Global Senior Leader(India);President, Association of Child Neurology(2023-2025);Chairperson, Academy of Pediatric Neurology, IAP Delhi(2023);Co-Convenor, Pediatric subsection/Executive Board member Indian Epilepsy Society/National representative, International League Against Epilepsy; Advisory Board member, International Child Neurology Teaching network(ICNA);Vice-Chair, Technology Governance Steering committee-Health, All India Council for Robotics & Automation(AICRA); Member, Advisory board(ICNTN), Coordinator, Neurodevelopmental disorders module ICNTN(ICNA); Member, ILAE Equity, Diversity and Inclusion Task Force; National Delegate - India(Asian Oceanian Child Neurology Association); Core member and site leader of Indo-Canadian Autism Network, Editor of Autism, Sage journals

I have been instrumental in transforming the care of children with neurodevelopmental disorders, contributed immensely to the field of epilepsy, autism, and neuromotor impairments, which is unmatched. I am further complementing the research with the help of technology. I have continued to widen these efforts to remote parts of the country.

**I have been involved in all the work from conceptualization to methodology and execution of the studies. For the best papers I have written my role under synopsis of each in the previous document uploaded. For 8 of them I am the corresponding author, and I was network coordinator and site PI of the multicentric project and a co guide in another PhD thesis. Hence added 2 more in which I am corresponding. The previous award citations have been mentioned earlier. ICMR award was for work from 2009-2014.**

*Sheffali Gulati*  
3/8/23

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