



डॉ. गीतांजलि सचदेवा

पी एच डी, एफ एन एस सी

निदेशक

आई सी एम आर - राष्ट्रीय प्रजनन स्वास्थ्य

अनुसंधान संस्थान

स्वास्थ्य अनुसंधान विभाग, स्वास्थ्य और परिवार

कल्याण मंत्रालय, भारत सरकार

Dr. Geetanjali Sachdeva

PhD, FNASc

Director

ICMR - National Institute for Research in

Reproductive Health

Department of Health Research, Ministry of Health

and Family Welfare, Government of India

Justification for Nomination

(By Nominator/ Supervisor)

20th September 2021

To whomsoever it may concern

It is my pleasure to nominate Mr. Aniket G. Patankar for Sun Pharma Science Foundation Science Scholar Award. Aniket is currently working as a Ph.D. student under the guidance of Dr. Priyanka Parte at Dept. of Gamete Immunobiology, ICMR- National Institute for Research in Reproductive Health (NIRRH). He has worked on the project entitled 'Functional significance of Testis specific Histone H2B variant (TH2B) in spermatozoa' which has led to a publication in **Clinical Epigenetic** journal (IF: 6.55; DOI: 10.1186/s13148-021-01088-4). The study revealed for the first time, the genome-wide localization of TH2B in sperm of fertile men and the link between sperm chromatin compaction and its transcriptome. Briefly, ChIP-seq analysis of TH2B in sperm of fertile men revealed a putative role of TH2B in sperm function and embryo development. Altered expression of TH2B associated genes in infertile individuals with sperm chromatin compaction defects indicated involvement of TH2B in transcriptional regulation of these genes in post meiotic male germ cells. Additionally, sperm chromatin compaction positively correlated with sperm-motility, concentration, viability and with transcript levels of PRKAG2 and CATSPER B.

I have known Aniket since the time he registered for his Ph. D. in Biochemistry at our institute. Equipped with a Master's degree from Fergusson College, Savitribai Phule Pune University, he has also cleared several national level Ph. D. entrance exams like CSIR NET, DBT BET, ICMR JRF and GATE and was enrolled for the Ph. D. program on merit. He is keen to learn new things and share his thoughts pertaining to his work. He has attended a workshop on Human Genome and Transcriptome Analysis at IOB, Bengaluru and on Targeted Proteomics (TPWIS-2018, IIT-B, Mumbai). He has also presented his work in a couple of national conferences. He received the GYAN scholarship award for participating at Nextgen Genomics, Biology, Bioinformatics and Technologies Conference, 30th Sep to 2nd Oct 2018, Jaipur and Best oral presentation award (3rd prize) at 15th National Research Scholars Meet in Life Sciences, 5th and 6th Dec 2019, ACTREC, Navi Mumbai.

Aniket is a sincere, hardworking, focused and persuasive student now in his final year of Ph. D. His scientific understanding is very clear and has his own thought process towards every scientific observation. I therefore and without any reservations, nominate him for the 'Sun Pharma Science Foundation Science Scholar Award'.

Dr. Geetanjali Sachdeva

Director & Scientist G

ICMR- National Institute for Research in Reproductive Health (NIRRH)