

SECTION 'B': BIO-DATA OF INVESTIGATOR(S)

1. Name: Dr. Snigdha Singh

a. Designation: Assistant Professor

b. Date of Birth: 13.02.1991

c. Name of Organization/Institute: Dr. RMLIMS

Education

S. No.	Duration	Institution	Nature of Work
1.	2019-2021	A.I.I.M.S, Bhopal, M.P.	Primary Immuno-deficiency diseases (PID) in Blood Transfusion candidates and rheumatoid arthritis patients, Zinc and Copper in Tuberculosis patients.
2.	2022-2025	A.I.I.M.S. Jodhpur, Rajasthan	MiRNAs in Tuberculosis Patients, Resource person in two IFCC workshops on flowcytometry in PID
3.	1 month observership	APC, PGI Chandigarh	Observership in PID laboratory procedures.
4.	3 months	SIMS, Hapur	3 months as Assistant Professor

Experience:

Administrative roles and responsibilities:

- Member of UG NEET Admission
- NAAC Student Outcome Committee

3. Research specialization: (Major Scientific field of interest):

- 1) Immunity- Inborn Errors of Immunity
- 2) Inborn errors of metabolism
- 3) Tuberculosis
- 4) Six-sigma and data analytics

4. Research work done by the investigator in National, State & public interest. (The details should not be in more than 02 pages)

1. Singh S, Kumar PVS NK, Kumar JP, Tomo S, Yadav D, Sharma P, et al. Genetic and Epigenetic Basis of Drug-Induced Liver Injury. *Semin Liver Dis.* 2023 May;43(2):163–75.
2. Singh S, Javed D, Mukherjee S, Mittal R, Chourasia N, Agrawal A, et al. Therapeutic Potential of Traditional Indian Herbal Medicine in COVID-19: A Narrative Review. *Hosp Pract Res.* 2021 June 1;6(2):42–50.
3. Rathore M, Yadav D, Banerjee M, Tomo S, Sharma S, Sankanagoudar S, et al. Maximizing Returns: Optimizing Biochemistry Lab Performance through Six Sigma application, a Yearlong Cost-Benefit Study in an Indian Laboratory. *EJIFCC.* 2025 June;36(2):106–23.
4. Continuous Quality Enhancement in Clinical Diagnostic Laboratories Through Lean and Six Sigma Methodologies: A Narrative Review | *Indian Journal of Clinical Biochemistry* [Internet]. [cited 2025 Mar 30]. Available from: <https://link.springer.com/article/10.1007/s12291-025-01303-6>
5. Mukherjee S, Kotnis A, Ray SK, Vaidyanathan K, Singh S, Mittal R. Current Scenario of Clinical Diagnosis to Identify Inborn Errors of Metabolism with Precision Profiling for Expanded Screening in Infancy in a Resource-limited Setting. *Curr Pediatr Rev.* 2022;19(1):34–47.
6. Mittal R, Chourasia N, Bharti VK, Singh S, Sarkar P, Agrawal A, et al. Blood-based biomarkers for diagnosis, prognosis, and severity prediction of COVID-19: Opportunities and challenges. *J Fam Med Prim Care.* 2022 Aug;11(8):4330–41.
7. Modi P, Krishnagopal SN, Mittal R, Ahirwar SS, Singh S, Chourasia N, et al. Low Serum Levels of Zinc and Copper Are Associated With Tuberculosis. *Cureus.* 17(9):e93613.

Accepted paper in *annals of laboratory medicine*

8. Unraveling the need for harmonization of Homocysteine assay: Insights from the results of External Quality Assurance. (accepted in *Annals of laboratory medicine*)

Dr. Sojit Tomo¹, Dr. Snigdha Singh², Dr. Amandep Birdi², Dr. Dharamveer Yadav³,
Dr. Mithu Banerjee⁴

5. Awards:

- 1) Best poster Award in ACBICON 2024
- 2) Best case presentation in IFCC-Lab Professional week
- 3) 2nd Best poster in IFCC-Lab professional week

6. Membership in Scientific Committees

ACBI	ISPID	AMU
AMBI	IFCC	
ADLM	ACCLMP	

7. Trainings:

- 1) MELAP Training for NABL
- 2) PID Pearls- Training of Trainers course
- 3) 1 month training & observership in Inborn Errors of Immunity at PGI Chandigarh.

8. Conferences, workshops & CMEs attended:

a) International:

APFCB	2024
6th International Conference on Inborn Errors of Immunity	2023

b) National:

Central Zone ACBICON (2024)	2024
North Zone ACBICON (2024)	2024
ISPIDCON (2023)	2023
World Immunology Day at PGI Chandigarh (2023)	2023
ISPIDCON (2024)	2024
Hands on workshop Real Time PCR by TaqMan Chemistry (2023)	2023
International Lab Professionals week (2023, 2024)	2023, 2024
Hands on workshop on Digital Droplet PCR (2023)	2023

Workshop on Cell Culture (2023)	2023
AMUCON (2025)	2025
Anastomosis (2025)	2025
ISPID monthly webinars (2025)	2025

9. Case Presentation:

- a) **International:** TCYS-IFCC case presentation.
- b) **National :** IFCC -Lab professional week

10. Resource Person at:

- a) Ist IFCC workshop on “Flowcytometry- Basics to monitoring in Immunodeficiencies.” held in 2023.
- b) 2nd IFCC workshop on “Flowcytometry- Basics to monitoring in Immunodeficiencies.” held in 2024.
- c) AMUCON 2025 held in Lucknow