Brief Resume

Dr. Shelly Singla
Assistant Professor
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Dr. Shelly Singla is a hematopathologist trained at PGIMER, Chandigarh, and Memorial Sloan Kettering Cancer Center, New York. She brings experience from academic, tertiary-care and national reference laboratories in the integrated diagnosis of hematolymphoid neoplasms and benign hematologic disorders, combining morphology, flow cytometry, cytogenetics and molecular testing. Her research focuses on translational hematopathology, with particular interest in acute leukemia, measurable residual disease and myeloma biology.

Super-speciality training: DM Hematopathology at Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh (2021 to December 2023).

International training: Observership in Hematopathology at Memorial Sloan Kettering Cancer Center (MSKCC), New York, USA (October to November 2023).

Broad-speciality training: MD Pathology at Jawaharlal Nehru Medical College, Sawangi (2011 to 2014).

Research Experience

1. TP53 aberrations in multiple myeloma and their correlation with anti-apoptotic markers — DM thesis, PGIMER, Chandigarh (2021–2023).
2. Utility of CSF-CRP in differentiating bacterial from non-bacterial meningitis — MD thesis, JNMC, Sawangi (2011–2014).

Areas of Interest

Translational hematopathology; acute leukemia and measurable residual disease (MRD); myeloma biology and TP53 aberrations; advanced and spectral flow cytometry; molecular and precision hematopathology.

Professional Qualification

Degree(s)	Institute & Location	Year
DM (Hematopathology)	Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh	2023
MD (Pathology)	Jawaharlal Nehru Medical College, Sawangi (Wardha), Maharashtra	2014
MBBS	Government Medical College, Amritsar, Punjab	2005

Additional Training

1. International Observership in Hematopathology — Memorial Sloan Kettering Cancer Center, New York, USA (2023)
2. Observership in Pediatric & Molecular Hematology — PGIMER, Chandigarh (January–May 2024)
3. Basic Course in Medical Education (BCME) — NMC Regional Centre, Rohtak (2025)
4. ISO 15189:2012 Quality Management Systems & Internal Audit

Work Experience

Sl. No.	Designation	Institute & Location	Duration
1	Assistant Professor, Hematology (Laboratory)	SGPGIMS, Lucknow (UP), India	June 2026 – Current position
2	Consultant, Hematopathology	Apollo Clinic, Chandigarh, India	April 2025 – June 2026
3	Assistant Professor, Pathology	Adesh Medical College & Hospital, India	May 2024 – May 2025
4	Attending Consultant, Laboratory Medicine	Artemis Hospitals, Gurgaon (Haryana), India	July 2019 – December 2020
5	Consultant Pathologist	SRL Reference Lab, Gurgaon (Haryana), India	September 2018 – June 2019
6	Consultant Pathologist & QA Representative	SRL Ltd, Fortis Hospital, Faridabad (Haryana), India	October 2016 – September 2018
7	Senior Resident, Pathology	ESI Hospital, Manesar (Haryana), India	April 2015 – September 2016

Membership of Professional Bodies

1. Indian Society of Hematology & Blood Transfusion (ISHBT)
2. Indian Association of Pathologists & Microbiologists (IAPM)
3. The Cytometry Society, India (TCS INDIA)
4. Molecular Pathology Association of India (MPAI)

Editorial Board/Reviewer of reputed/indexed journals

Nil

Awards & Honours

1. **First Prize** — PGI HEM-ONC FEST, Chandigarh (2023), for "TP53 aberrations in multiple myeloma"
2. **Second Prize** — Indian Myeloma Congress (2023), for "BCL2/MCL1 correlations in multiple myeloma"

Selected Conference Presentations

1. Oral paper: Impact of *TP53* deletions and mutations in multiple myeloma — PGI HEM-ONC FEST, Chandigarh (2023)
2. Oral paper: BCL2 and MCL1 correlations in multiple myeloma — Indian Myeloma Congress (2023)
3. Talk: Immunomagnetic sorting of plasma cells — PGI HEM-ONC FEST, Chandigarh (2023)
4. Posters: Frequency and cytogenetic profile of plasma cell leukemia; Longitudinal cytogenetic analysis in multiple myeloma; SEBVTCL with HLH — PGI HEM-ONC FEST (2023)
5. Poster: Second revision ISS in 301 newly diagnosed myeloma patients — Indian Myeloma Congress, Bengaluru (2023)
6. Poster: Hereditary pyropoikilocytosis masked as congenital dyserythropoietic anemia — MPAICON, AIIMS New Delhi (2024)
7. Poster: FxCycle Violet ploidy vs. FISH ploidy in B-ALL — ISHBT North-West Chapter (2022)
8. Poster: Intracellular phospho-STAT5B correlation with cytogenetics and MRD in B-ALL — The Cytometry Society Annual Conference (2021)

9. Case presentation: Intriguing immunophenotypic findings in mycosis fungoides — 4th ISHBT–EHA Tutorial, Chandigarh (2020)
10. Poster: Reticulated platelet estimation by flow cytometry — APCON, Chandigarh (2019)
11. Participant: 65th ASH Annual Meeting, San Diego, USA (2023)

Publications

Peer-reviewed Articles

1. Azeez AA, Bhatia P, Kirubanandhan S, Thakur R, Singh M, Rose S, et al. Comparative analysis of cytogenetics and copy-number-integrated risk scores in pediatric B-ALL. *Pediatr Blood Cancer*. 2025.
2. **Singla S**, Sreedharanunni S, Singh A, Singh C, Bose P, Kumar A, et al. Flow cytometric expression of Bcl-2 and Mcl-1 correlates with cytogenetics in multiple myeloma. *Ann Hematol*. 2024.
3. Sreedharanunni S, **Singla S**, Balakrishnan A, Singh A, Jamwal M, Singh N, et al. TP53 aberrations in newly diagnosed multiple myeloma. *Pathology*. 2024.
4. Sreedharanunni S, Jamwal M, Balakrishnan A, Aravindan AV, Sharma R, Singh N, Rajpal S, **Singla S**, et al. Chronic eosinophilic leukemia with recurrent STAT5B N642H mutation. *Leuk Res*. 2022.
5. **Singla S**, Vagha S, Vagha J, Nagpal A. Utility of CSF-CRP in diagnosis of bacterial meningitis. *NIJP*. 2014.
6. Lakhkar B, Nagpal A, **Singla S**, Gagneja K. Congenital leukemia in Down syndrome — a rare case. *J Datta Meghe Inst Med Sci Univ*. 2013.

Conference Abstracts

1. **Singla S**, Sreedharanunni S, Singh A, Balakrishnan A, Anshu A, Rathore S, et al. Correlation of BCL2 and MCL1 expression with cytogenetic characteristics in multiple myeloma [abstract]. *Blood*. 2023.

Book Chapter

1. **Singla S**, Sreedharanunni S. Common cytogenetic abnormalities in hematolymphoid neoplasms. In: *PGI Textbook of Laboratory and Clinical Hematology*.