

BIOGRAPHICAL SKETCH

Prof. SAMEER BAKHSI

Department of Medical Oncology,
Dr. BRA Institute Rotary Cancer Hospital,
All India Institute of Medical Sciences,
Ansari Nagar, New Delhi -110029
Telefax: 91-11-26588153
Mobile: 9868398312, 9958828763
Email: sambakh@hotmail.com

➤ ACADEMIC QUALIFICATIONS (BACHELOR'S DEGREE ONWARDS)

S.No	Degree	Subject	Year	University	Additional Particulars
1	M.B.B.S.	Basic Medical School	1992 (1987-1992)	Jawaharlal Institute of Post Graduate Medical Education and Research (JIPMER), Pondicherry	Best Outgoing Student of M.B.B.S
2	M.D.	Pediatrics	1996 (1993-1996)	All India Institute of Medical Sciences (AIIMS), New Delhi	Dr. M.L. WIG Gold Medal Award for the Best Clinical Research, 1995
3	Diplomate of American Board of Pediatrics	Pediatrics	2000 (1997-1999)	Children's Hospital of Michigan, Wayne State University, Detroit, USA.	Sheldon L. Brenner Resident Research Award for Outstanding research, 1999
4	Fellowship in Hematology Oncology	Hematology and Oncology	2002 (1999-2002)	Wayne State University, Detroit, USA.	-

➤ **POSITIONS HELD (IN CHRONOLOGICAL ORDER)**

S.No	Period	Place of Employment	Designation
1	Jan 1993-Jan 1996	Department of Pediatrics, AIIMS, New Delhi	Junior Resident
2	March 1996-Sept 1996	Department of Hematology, AIIMS, New Delhi	Research Officer
3	Sept 1996-June 1997	Department of Pediatrics, AIIMS, New Delhi	Senior Resident
4	July 1997-Oct 1999	Wayne State University	Resident
5	Nov 1999-April 2002	Wayne State University	Fellow
6	April 2002-June 2003	Department of Pediatrics, AIIMS, New Delhi	Asst. Professor
7	June 2003-July 2006	Department of Medical Oncology, Dr. BRA IRCH, AIIMS, New Delhi	Asst. Professor
8	July 2006- June 2009	Department of Medical Oncology, Dr. BRA IRCH, AIIMS, New Delhi	Assoc. Professor
9	July 2009-June 2013	Department of Medical Oncology, Dr. BRA IRCH, AIIMS, New Delhi	Additional Professor
10.	July 2013 till date	Department of Medical Oncology, Dr. BRA IRCH, AIIMS, New Delhi	Professor

➤ **FELLOWSHIP/MEMBERSHIP/AWARDS/COMMITTEE MEMBERSHIP AND ACHIEVEMENTS IN ANY OTHER FIELD**

Membership of Professional Bodies

- Indian Academy of Pediatrics (IAP) since 2002
- Pediatric Hematology Oncology Chapter of IAP since 2002
- Indian Society of Hematology and Transfusion Medicine since 2003
- Indian Society of Medical and Pediatric Oncology since 2003
- International Society of Pediatric Oncology since 2006
- National Academy of Medical Sciences (NAMS) 2010

Fellowship of Professional Bodies

- National Academy of Sciences (NASI) 2018
- National Academy of Medical Sciences (NAMS) 2020

Awards

- Adjudged as the **Best Outgoing Student of M.B.B.S.** from J.I.P.M.E.R., Pondicherry in 1992.
- Awarded the **National Neonatology Forum (NNF) Gold Medal Award** for the best research paper in Neonatology at Madras in 1994.
- Awarded **Dr. M.L. WIG Gold Medal Award** for the best Clinical research at A.I.I.M.S., New Delhi, in 1995.
- Awarded **Sheldon L. Brenner Resident Research Award** for Outstanding research in residency training at Children's Hospital of Michigan, Detroit, MI, USA in 1999.
- **AIIMS Excellence Award – 2012** for outstanding published research work during the year 2011-2012.
- **AIIMS Excellence Award -2013** for outstanding published research work during the year 2012-2013.
- **Best Oncologist of The Year award-2015** by Worldwide Achievers Team
- 4th Dr. I.C. Verma Excellence Award for Young Pediatricians for 2016 by Indian Journal of Pediatrics
- **AIIMS Excellence Research Award -2016** for outstanding published research work during the year 2015-2016.
- Cankids Gold Hero Award 2016 for promoting collaborative research under InPOG
- DNA winners in Life award for significant contribution as an oncologist 2017.
- **AIIMS Excellence Research Award -2017** for outstanding published research work during the year 2016-2017.
- Awarded “**The Melissa Ann Memorial Oration Award**” at Children's Hospital of Michigan, Detroit, USA in 2017.
- **AIIMS Excellence Research Award -2018** for outstanding published research work during the year 2017-2018.
- Awarded “**Atal Swasthya Bhushan Samman**” in Memory of Bharat Ratna Atal Bihari Vajpayee Ji 2019 for extraordinary services and dedication towards profession by Sevron foundation.
- **AIIMS Oncology Research Award -2019** for outstanding published research work during the year 2018-2019.

Journals

- Editorial Board of Indian Journal of Medical and Pediatric Oncology
- Section Editor for Oncology in Indian Journal of Pediatrics
- Section Editor for Sarcomas in Indian Journal of Pediatric Hematology and Oncology

AIIMS Institute Committees

- Member of Institute Ethics Committee, AIIMS 2013-2015.
- Member of Institute Ethics subcommittee for Adverse Events in Clinical Trials at AIIMS since 2014.
- Member Secretary, AIIMS Ethics Committee from Jan 2016-March 2019.
- Member of Committee for Reforms in PhD Program since 2018.
- Member of Committee for reforms regarding governance of departments at AIIMS since 2018.
- Member Secretary of Committee for Scientific Research and Publication Misconduct since 2018.
- Member of Core Committee for Developing Clinical Trials Unit since 2018
- Member of Institute Ethics Committee, AIIMS 2019.

➤ **FUNDED RESEARCH PROJECTS AS CHIEF INVESTIGATOR**

Source of grant	Period of Research Grant	Timely completion and utilization of grant received	Outcome
INTERNATIONAL			
Mitochondrial functions in acute myeloid leukemia Source of Funding: Terry Fox Foundation	2008-2009	Yes	Published in Br J Haematol 149:391-398; 2010
Treatment and Characterization of Acute Lymphoblastic Leukemia in Children, Adolescents and Young Adults Source of Funding: International Network of Cancer Treatment and Research & Sir Ratan Tata Trust	2005 - 2014	Yes	Follow up still in process
Pharmacokinetic and Toxicity profile of High Dose Methotrexate: relationship with Serum Creatinine and MTHFR Polymorphisms in Indian Children. Source of Funding: Jiv Daya Foundation	2008 - 2014	Yes	Published in Ped Hematol Oncol 2015;32(8):576-84.
NATIONAL GOVT BODIES			
Evaluation of Prognostic Value of FDG-PET after Two Cycles of Chemotherapy in Pediatric and Adolescent High Grade Lymphomas Source of Funding: Department of Biotechnology, Ministry of Science & Technology, Govt. of India	2009-2012	Yes	Published in J Nucl Med 2008, 23(2):129-130 Radiology 2012; 262:956-968 Awarded AIIMS Excellence award 2012 AIIMS Excellence award 2017

<p>Nutritional status in pediatric acute leukemia patients on follow-up</p> <p>Source of Funding: ICMR</p>	2011-2013	Yes	<p>Published in</p> <p>Indian J Cancer 2015;52(2):199-201</p> <p>Indian J Cancer 2015;52(2):195-7</p> <p>Ped Hematol Oncol 2017;34:29-35</p>
<p>Standardization of response assessment in chronic myeloid leukemia (CML)</p> <p>Source of Funding: DBT</p>	2011-2016	Yes	No publication
<p>To Study clinical and biological significance of mutations in mitochondrial DNA regulatory region in acute myeloid leukemia</p> <p>Source of Funding: DBT</p>	2013-2016	Yes	<p>Presented</p> <p>Abstract Presented at SIOP 2016 Pediatric Blood and Cancer (P-0473)</p> <p>Published</p> <p>Oncotarget_2019;10:1334-1343</p> <p>Int J Lab Hematol 2019;41:141-147</p>
<p>Investigating the efficacy of microRNAs as molecular marker in pediatric acute myeloid leukemia</p> <p>Source of Funding: DBT</p>	2015-2018	Yes	<p>Published in</p> <p>Indian J Med Res 2016;144:807-814</p>
<p>National Multicentre Childhood Leukemia Programme</p> <p>Source of Funding: ICMR</p>	2017 -2019	Yes	No publication
<p>Role of mitochondrial heterogeneity in the progression and prognosis of Acute Myeloid Leukemia (AML)</p> <p>Source of Funding: DST</p>	2017-2021	Yes	Ongoing
<p>Indian Childhood collaborative leukaemia group multicentre national standardisation study for newly diagnosed acute lymphoblastic leukemia (ALL)</p> <p>Source of Funding: NCG</p>	Ongoing (2017 onwards)	Yes	Ongoing

PRIVATE BODIES			
An open label multicentric study to assess the efficacy and safety of Recombinant Human Granulocyte Colony Stimulating Factor (Filgrastim) injections in patients undergoing myelosuppressive chemotherapy. Source of Funding: Cadila Health Care Ltd.	2009- 2012	Yes	Successful launch of product
An Open label multicentric study to assess the efficacy and safety of pegylated recombinant human granulocyte colony stimulating factor (PEG Filgrastim) injections in patients undergoing myelosuppressive chemotherapy Source of Funding: Cadila Health Care Ltd.	2009-2012	Yes	Successful launch of product
A study to evaluate the Anti-emetic effect of Aprepitant versus placebo as an add-on therapy in children and adolescent receiving chemotherapy: A randomized double blinded controlled trial Source of Funding: Dr. Reddy's Laboratories Ltd.	2011- 2014	Yes	<p>Presented</p> <p>Abstract presented at SIOP 2014</p> <p>Published in</p> <p>Support care cancer 2015;23:3229-37</p> <p>Lancet Oncol 2015;16:e259-60</p> <p>Expert Review of Quality of Life in Cancer Care 2016;1:189-195.</p> <p>Awarded</p> <p>AIIMS Excellence Award 2016</p>
Improving Refusal, Non-Compliance, Abandonment and Outpatient Infection Treatment in Pediatric and Adolescent Cancers Source of Funding: Lebara Foundation	2015-2020	Yes	<p>Presented</p> <p>Two Abstract presented at SIOP 2016 and published in Pediatric Blood and Cancer</p> <p>Abstract no. 0322</p>

			Abstract no. 0273
Establishing a nutritional counseling program and developing a nutritional database in pediatric patients with cancer Source of Funding: Cuddle Foundation	Ongoing 2016 onwards	Yes	Presented Two Abstract presented at SIOF 2018 and published in Pediatric Blood and Cancer Abstract no. O-057 Abstract no. PO-234
SADAL: A Phase 2b Open label Study of Selinexor (KPT-330) in Patients with Relapsed/Refractory Diffuse Large B-Cell Lymphoma (DLBCL) Source of Funding: Excel Life Sciences	Ongoing 2018 onwards	Yes	Ongoing Abstract in ASH 2018 Manuscript under review in Lancet Hematology
A Phase 2, Open-Label Trial Evaluating the Efficacy and Safety of Two Dosages of Once Daily Oral CA-170 in Patients with Selected Relapsed Advanced Tumors (ASIAD) Source of Funding: Veeda Clinical Research Pvt. Ltd.	Ongoing 2018 onwards	Yes	Ongoing
A Phase IV Multi-Centric Post-Marketing Study Evaluating the Safety, Immunogenicity and Efficacy of the Marketed Formulation of Hetero – Rituximab Source of Funding: Hetero Biopharma Limited	Ongoing 2018 onwards	Yes	Ongoing
Single-day Intravenous Fosaprepitant vs. 3-day oral Aprepitant anti-emetic regimen in pediatric patients receiving highly-emetogenic chemotherapy: An Investigator-initiated, Randomized, Open-label, Non-inferiority trial Source of Funding: Glenmark Pharmaceuticals Ltd	Ongoing 2020 onwards	Yes	Ongoing
Childhood Cancer Survivorship Program Source of Funding: CanKids KidScan	Ongoing 2020 onwards	Yes	Ongoing
Molecular and Pharmacogenetic marker evaluation in relation to the toxicity and clinical response of acute lymphoblastic leukemia treatment in Indian children (MPGx-	Ongoing 2021 onwards	Yes	Ongoing

INDALL) Source of Funding: CANSEARCH Foundation			
AIIMS INSTITUTE FUNDING			
“To study chromosomal abnormalities and FLT3 Internal Tandem Duplication mutations in acute myeloid leukemia”	2007-2010	Yes	Published in Pediatr Hematol Oncol 2014;31:131-7 Blood Cells Mol Dis 2015;54:56-64 Indian J Med Res 2016;143:98-103
“Role of PET-CT in osteosarcoma for initial staging and chemotherapy response evaluation; comparison with conventional radiological modalities (MRI scan, CT scan, & Bone scan) and histopathological tumor necrosis”	2008-2009	Yes	Published in Pediatr Radiol 2011;41:441-450 J Pediatr Hematol Oncol 2011;33:e271-278. Pediatr Blood Cancer 2010;54:526-531
Functional significance of T regulatory cells in patients with acute myeloid leukemia	2011-2012	Yes	Publication: Submitted
To study quantitative Bax and Bcl-2 gene expression in acute myeloid leukemia.	2011-2012	Yes	Published in Hematology 2014;19:404-411 Pediatr Blood Cancer 60:E63-E66; 2013.
Serial assessment of T regulatory cells and T helper 17 cells in pediatric Non Hodgkin's lymphoma – A Prospective study	2012-2013	Yes	Published in Leuk Lymphoma 2016;57(7):1739-42
Assessment of expression of Vascular Endothelial Growth Factor in Non Hodgkins lymphoma in children ≤ 18 years: A Prospective study	2013-2014	Yes	Published in Ped Hematol Oncol 2016; 33:168-70
Role of mitochondrial complex encoding genes in Pediatric AML	2016-2019	Yes	Published in

➤ ORGANISATION ABILITY FOR PROFESSIONAL CONFERENCE, SYMPOSIA & MEETING

- Organized IRCH foundation at Dr. BRA Institute Rotary Cancer Hospital, All India Institute of Medical Sciences, Ansari Nagar, New Delhi, November 2004.
- Organized conference on Pediatric Solid Tumors, AIIMS, New Delhi Jan 2005.
- Organized India Pediatric Oncology Initiative 2nd Annual Meeting at All India Institute of Medical Sciences, New Delhi from 4th-5th February, 2010.
- Organized 3rd Annual Indian Pediatric Oncology Initiative Meeting at All India Institute of Medical Sciences, New Delhi from 11th-13th March, 2011.
- Organized 4th Annual India Pediatric Oncology Initiative Meeting at All India Institute of Medical Sciences, New Delhi from 9th-10th March, 2012.
- Director (organizer) for “Pediatric Session” at Best of ASCO meeting at Chandigarh on 15th July 2017.
- Organizing Chairperson for “Decoding Systematic Review and Meta-analysis” conference organized by Research and Education Society of Medical Oncology at AIIMS, New Delhi on 12th December 2020.

➤ TV SHOW

- Panelist in show Healthy India (weekly show aimed at promoting nutrition, healthy living and home remedies) at Lok Sabha Television Studio, Parliament House on 13th Feb. 2010.
- Expert in the show “Total Health” episode on “Childhood Cancer” at CPC Doordarshan Asiad Village, New Delhi on 14th Feb, 2010.
- Expert in the show “Total Health” episode on “Brain Tumor” at Doordarshan Bhawan, Mandi House, New Delhi on 29th Jan, 2012
- Expert in the show “Total Health” episode on “Retinoblastoma” at Doordarshan Bhawan, Mandi House, New Delhi on 19th May, 2013.
- Invited as an expert in the show “Total Health” episode on “Leukemia” at Tower-B, Doordarshan Bhawan, Mandi House, New Delhi on 10th August, 2014.
- Panelist in show Healthy India (weekly show aimed at promoting nutrition, healthy living and home remedies) at Lok Sabha Television Studio, Parliament House on 30th January 2015.
- Panelist in the show “Total Health episode” on “Childhood Cancer” at CPC Doordarshan Asiad Village, New Delhi on 16th Feb, 2020.

➤ PUBLIC HEALTH LECTURES

- Panelist in 1st Indian Childhood Cancer Survivor Conference at All India Institute of Medical Sciences, New Delhi on 6th Feb, 2010.
- Invited by Ministry of Health and Family Welfare to deliver a public lecture on cancer at India International Trade Fair-2015 on 23rd November 2015.
 - Lecture on “Cancer is Preventable and Potentially Curable”
- Invited by Ministry of Health and Family Welfare to deliver a public lecture on cancer at India International Trade Fair-2016 on 20th November 2016.
 - Lecture on “Cancer is Preventable and Potentially Curable”
- Panelist for “Childhood Cancer Day” organized by Department of Pediatrics, AIIMS at JLN Auditorium, AIIMS on 10th November 2012.
- Faculty for “International Childhood Cancer Day” at Jawaharlal Nehru auditorium, AIIMS on 14th February, 2015.
 - Public lecture on “Issues of leukemia and bone marrow transplantation in Children”
 - Panel discussion on “Pediatric Cancers in General”
- Panelist for “Childhood Cancer Day” organized by Department of Pediatrics, AIIMS at JLN Auditorium, AIIMS on 18th February 2016.
- Panelist for “Childhood Cancer Day” organized by Department of Pediatrics, AIIMS at JLN Auditorium, AIIMS on 26th February 2018.
- Invited as faculty for “World Cancer Day” organized by Delhi Chapter of the Indian National Science Academy (INSA) at Shaheed Rajguru College of Applied Sciences for Women, New Delhi on 04th February 2019.
 - Lecture on “Treatment and Prevention of Cancer: A Clinician’s Perspective”
- Invited for “Childhood Cancer Day” organized by Department of Pediatrics, AIIMS at JLN Auditorium, AIIMS on 27th Feb 2019.
 - Public lecture on “Childhood Cancer Is Curable”
- Panelist for “Childhood Cancer Day” organized by Department of Pediatrics, AIIMS at JLN Auditorium, AIIMS on 17th February 2020.

➤ **COMMUNITY-BASED HEALTH SYSTEMS RESEARCH (DISEASE SPECIFIC, OPERATIONAL RESEARCH ETC.**

Sameer has been part of a multicentric research wherein we explored the barriers for patients and families to access care for childhood cancers. This work was presented recently as an abstract/poster at 50th Congress of the International Society of Paediatric Oncology (SIOP) at Kyoto, Japan from 16th to 19th November 2018.

Faruqui N, Joshi R, Lowe J, Arora R, Anis H, Kalra M, **Bakhshi S**, Mishra A, Rani S, Seth R, Bernays S, Martiniuk A. Exploring Barriers to Accessing Care for Childhood Cancers in India: A Qualitative Study (InNPOG-ACC-16-03) Pediatr Blood Cancer 2018 (PO-533).

Faruqui N, Joshi R, Martiniuk A, Lowe J, Arora R, Anis H, Kalra M, **Bakhshi S**, Mishra A, Santa A, Sinha S, Siddaiahgari S, Seth R, Bernays S. A health care labyrinth: perspectives of caregivers on the journey to accessing timely cancer diagnosis and treatment for children in India. BMC Public Health 2019 Dec 2;19(1):1613.

➤ **SPECIAL CONTRIBUTIONS TO PATIENT CARE AND RESEARCH**

Contributions to Patient Care

After joining Medical Oncology Department, the following contributions were made:

- ❖ Developed pediatric oncology
- ❖ Developed chemotherapy aspects of bone and soft tissue sarcoma clinic
- ❖ Initiated ophthalmic tumor clinic
- ❖ Augmented the stem cell transplant program for pediatric malignancies wherein >250 stem cell transplants for children with malignancies have been performed.
- ❖ Initiated Cord Blood Transplantation and since then more than 20 cord blood transplants have been performed and has now become an established procedure at the cancer center.

Contributions to Research

The varied research contributions include that in the field of pediatric and medical oncology with more than 350 peer review articles. The major articles have been in the field of:

- **Cancer supportive care**
- **Retinoblastoma**
- **Sarcomas**
- **Acute myeloid leukemia**

LIST OF PUBLICATION (INDEXED JOURNALS)

TOTAL PUBLICATIONS IN PUBMED INDEXED JOURNALS : 445

(222 publications as corresponding author/first author; the same are marked with # in the publication list)

❖ Research Paper Published in Full	:	209
❖ Short Research Papers	:	017
❖ Scientific Reviews	:	030
❖ Other Publication/Reports	:	189
(Expert Commentaries/Case series)		

CHAPTERS CONTRIBUTED TO BOOKS : 008

S.no.	Category	Number of publication
1	OPHTHALMIC TUMOR (n=54)	
	Research Papers	33
	Short Research papers	5
	Reviews	2
	Commentaries/Case Series (other)	14
2	BONE AND SOFT TISSUE SARCOMAS (n=75)	
	Research Papers	39
	Short Research	3
	Reviews	6
	Commentaries/Case Series (other)	27
3	SUPPORTIVE CARE IN CANCER (n=52)	
	Research Papers	30
	Short Research	1
	Reviews	4
	Commentaries/Case Series (other)	17

4	LEUKEMIAS (n=123)	
	Research Papers	62
	Short Research	2
	Reviews	6
	Commentaries/Case Series (other)	53
5	LYMPHOMAS (n=61)	
	Research Papers	25
	Short Research	6
	Reviews	2
	Commentaries/Case Series (other)	28
6	OTHER SOLID TUMORS (n=49)	
	Research Papers	16
	Short Research	0
	Reviews	6
	Commentaries/Case Series (other)	27
7	MISCELLANEOUS (n=31)	
	Research Papers	4
	Short Research	0
	Reviews	4
	Commentaries/Case Series (other)	23