

BIOGRAPHICAL SKETCH

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NAME: Archana Sharma

eRA COMMONS USER NAME (credential, e.g., agency login):

POSITION TITLE: Assistant Professor, Pediatrics

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Rutgers University, New Brunswick, NJ	BA	05/1999	Biological Sciences
University of New England College of Osteopathic Medicine. Biddeford, ME	DO	06/2004	Doctor of Osteopathy
Internship, UMDNJ, Robert Wood Johnson Medical School, New Brunswick, NJ		06/2007	Pediatrics
Residency, UMDNJ, Robert Wood Johnson Medical School, New Brunswick, NJ		06/2008	Pediatrics
Fellowship, Robert Wood Johnson Medical School, New Brunswick, NJ		10/2011	Pediatric Oncology

A. Personal Statement

I have been at the Cancer Institute of New Jersey since 2011 after completing both my residency and fellowship in pediatric hematology/oncology at Robert Wood Johnson Medical School. I am also affiliated with RWJ University Hospital and Monmouth Medical Center. While I evaluate all pediatric cancer patients, I have a clinical interest in leukemia treatments and how pediatric cancer treatments affect patients as they reach adulthood. Along with assistance from the multidisciplinary team within the Pediatric Hematology/Oncology Program at the Cancer Institute and the Cancer Institute's LITE Program, I help educate patients and their families on treatment options and late effects so that they can make informed decisions. I also have a community-based research interest in the South Asian population. I am currently involved in research programs that target the South Asian population and how they are affected by cancer and blood disorders. By having the resources available that can only be found at a National Cancer Institute-designated Comprehensive Cancer Center, our team is able to translate these research findings and directly apply them to patient therapies.

Ongoing and recently completed projects that I would like to highlight include:

Principal Investigator – Use of a Meditation Mobile Application in Young Adult Survivors of Pediatric Cancer." Funding awarded through the Cancer Research Survivorship Program. The award provides funding in the amount of, \$34,986 for a 1-year period.

B. Positions, Scientific Appointments, and Honors**Positions and Scientific Appointments**

2017-Present Attending, Department of Pediatrics, Monmouth Medical Center, Long Branch, NJ

2013-Present Assistant Professor, Pediatric Hematologist/Oncologist, Department of Pediatrics, Rutgers Cancer Institute of New Jersey, New Brunswick, NJ

2011-Present Assistant Professor, Instructor, Department of Pediatrics, UMDNJ, Robert Wood Medical School, New Brunswick, NJ

2011-Present Attending, Department of Pediatrics, Robert Wood Johnson University Hospital, New Brunswick, NJ

2011-Present Attending, Department of Pediatrics, Jersey Shore University Medical Center, Jersey City, NJ

Other Experience and Professional Memberships

American Society of Pediatric Hematology/Oncology
American Academy of Pediatrics

Children's Oncology Group
American Society of Hematology

Honors

2008 Excellence in Teaching Medical Students
200, 2008 Chief Pediatric Resident

C. Contributions to Science

1. I am a member of the Clinical Investigations and Precision Therapeutics (CIPT) Program at the Rutgers Cancer Institute of New Jersey. The Overall Goals of the Clinical Investigations and Precision Therapeutics (CIPT) Program are to 1) translate outstanding science across the Cancer Center into early phase trials, 2) develop novel diagnostic, prevention, and therapeutic strategies; and 3) promote bidirectional translation from bench to bedside and back.
 - a. Next generation sequencing as aid to diagnosis and treatment of an unusual pediatric brain cancer. Case report. John Glod, Mihae Song, Archana Sharma, Rachana Tyagi, Roy H Rhodes, David J Weissmann, Sudipta Roychowdhury, Atif Khan, Michael P Kane, Kim Hirshfield, Shridar Ganesan, Robert S DiPaola, Lorna Rodriguez-Rodriguez. *J Pers Med* 2014 15;4(3):402-11. Epub 2014 Jul 15.
 - b. Emily Johnston, Isaac Martinez, Elizabeth Davis, Caroline Caudill, Joshua Richman, Julienne Brackett, David Dickens, Alissa Kahn, Carla Schwalm, Archana Sharma, Pratik Patel, Smita Bhatia, Jennifer Levine, Julie Wolfson, on behalf of the POCC Consortium. SARS-CoV-2 in Childhood Cancer in 2020: A Disease of Disparities. *Journal of Clinical Oncology*. Doi: 10.1200/JCO.21.00202, no. 34 (December 01, 2021) 3778-3788.
 - c. Madhusoodhan PP, Pierro J, Musante J, Kothari P, Gampel B, Appel B, Levy A, Tal A, Hogan L, Sharma A, Feinberg S, Kahn A, Pinchinat A, Bhatla T, Glasser CL, Satwani P, Raetz EA, Onel K, Carroll WL. Characterization of COVID-19 disease in pediatric oncology patients: The New York-New Jersey regional experience. *Pediatric Blood Cancer*. 2021 Mar;68(3):e28843. doi: 10.1002/pbc.28843. Epub 2020 Dec 18. PMID: 33338306; PMCID: PMC7883045.