



COLUMBIA

PATHOLOGY AND CELL BIOLOGY

**Multiple
Postdoctoral
Positions
Available**

We are seeking highly motivated individuals to join Dr. Krystalyn Hudson's laboratory. Our lab studies the immune response to red blood cell (RBC) antigens, with projects spanning autoimmunity, alloimmunity, tolerance, and aging. Dr. Hudson holds an appointment in the Department of Pathology and Cell Biology and the Laboratory of Transfusion Biology at Columbia University Irving Medical Center in New York, NY. Details of Dr. Hudson's laboratory can be found on <https://www.pathology.columbia.edu/profile/krystalyn-e-hudson-phd>.

Potential projects may involve: (1) determining the pathways required for tolerance to red blood cell antigens, (2) identifying genes that regulate autoimmune hemolytic anemia, (3) evaluating the role of naturally occurring antibodies in development of RBC-specific antibodies, (4) the role of microbiome in dictating RBC alloimmune responses, (5) age-related autoimmune hemolytic anemia, (6) identifying immune cells required for RBC alloimmune and autoimmune responses. Successful candidates will have a recent Ph.D. in immunology, molecular biology, genetics, or cell biology. Prior research experience in murine models, infectious agents, and flow cytometry will be a plus. Candidates at both junior and senior levels are welcome to apply.

Interested candidates should send an application packet, including all of the following as a single PDF file by email to Dr. Krystalyn Hudson (keh2197@cumc.columbia.edu): (1) Cover letter indicating current and future research interest, (2) Expected starting date, (3) Curriculum vitae, (4) Brief summary of previous research experience (2-3 pages), (5) Names and contact information for 3 references.