



## ***Abba C. Zubair, M.D., Ph.D.***

**Associate Professor, Transfusion Medicine and Cell Therapy**

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Abba C. Zubair, M.D., Ph.D., is a consultant in the Department of Laboratory Medicine and Pathology at Mayo Clinic in Florida. Dr. Zubair is medical director of Transfusion Medicine and Stem Cell Therapy and serves as associate dean, Mayo Clinic School of Health Sciences in Florida. He joined the staff of Mayo Clinic in 2003 and holds the academic rank of associate professor of laboratory medicine and pathology, Mayo Clinic College of Medicine and Science.

Dr. Zubair earned his M.B.B.S. at Ahmadu Bello University in Zaria, Nigeria, and completed an internship at Murtala Mohammed General Hospital in Kano, Nigeria. He earned his Ph.D. at the University of Sheffield in England. He subsequently completed his postdoctoral fellowship at the University of Pennsylvania School of Medicine and his clinical residency in clinical pathology at the Hospital of University of Pennsylvania. He continued his training through a fellowship in transfusion medicine at the Joint Program in Transfusion Medicine at Brigham and Women Hospital and Children's Hospital Boston. While pursuing his fellowship, he obtained a master's degree in clinical trials and principles of drug development at Harvard University and Massachusetts Institute of Technology.

Dr. Zubair's research focuses on the use of stem cells for regenerative medicine applications. His laboratory seeks to identify and characterize normal and cancer stem cells using immunophenotyping, molecular and cell culture techniques. Characterization of cancer stem cells will allow better insight into the mechanism of stem cell resistance to chemotherapy and might therefore lead to identification of new therapeutic targets, more effective anti-cancer therapies and chemoprevention. He recently received an award from NASA (Center for the Advancement of Science in Space) that will allow him to use the microgravity environment to grow stem cells that are of sufficient quality and quantity to use in the treatment of patients with stroke. He has given presentations on his research both nationally and internationally and has authored journal articles, abstracts and other written publications.

In addition to his research activities, Dr. Zubair is active in education, providing core didactic lectures for Mayo Clinic residents and fellows. He has also served as mentor and advisor to numerous research associates, residents and fellows. He holds full faculty privileges in Mayo Clinic Graduate School of Biomedical Sciences.

Dr. Zubair's memberships with professional organizations include the International Society for Cellular Therapy (ISCT), American Association of Blood Banks, and American Society of Hematology.