Kapil Bharti, PhD

Dr. Kapil Bharti holds a bachelor's degree in Biophysics from the Panjab University in Chandigarh, India, a master's degree in biotechnology from the M.S. Rao University in Baroda, India, and a diploma in molecular cell biology from the Johann Wolfgang Goethe University in Frankfurt, Germany. He obtained his Ph.D. from the same institution, graduating summa cum laude. His Ph.D. work involved research in the areas of heat stress, chaperones, and epigenetics. He did his postdoc at the National Institutes of Health, where he published numerous papers in the areas of transcription regulation, pigment cell biology, and developmental biology of the eye. Dr. Bharti has successfully gotten grants in three out of three cycles from the NIH Center for Regenerative Medicine. He has won several awards, including, most recently, being a finalist in the prestigious trans-NIH Earl Stadtman Tenure-Track Symposium. His lab was recently awarded the only Intramural Common Fund grant to develop a phase I Investigational New Drug (IND) for Autologous induced pluripotent stem cell derived retinal pigment epithelium tissue. His current work as the head of the Unit on Ocular and Stem Cell Translational Research involves developing cell-based therapy for retinal degenerative diseases using induced pluripotent stem cell technology.