



Jakub Tolar, M.D., Ph.D.

Dr. Tolar is an Associate Professor of Pediatrics at the University of Minnesota in the Division of Hematology-Oncology and Blood and Marrow Transplantation. He received his M.D. from Charles University in Prague, Czech Republic, and his Ph.D. in Molecular, Cellular, Developmental Biology and Genetics from the University of Minnesota. He completed a residency in Pediatrics and a fellowship in hematology/oncology and bone marrow transplantation at the University of Minnesota. He is board certified in Pediatrics and Hematology/Oncology.

Jakub Tolar is at the forefront of blood and marrow transplantation for bone marrow failure (e.g., aplastic anemia and dyskeratosis congenita) and metabolic disorders (e.g., mucopolysaccharidosis type I and adrenoleukodystrophy). Dr. Tolar attends on both the Pediatric Hematology Oncology and the Pediatric Blood and Marrow Transplantation service.

His research focuses on the use of bone marrow derived stem cells for correcting genetic diseases and improving the outcomes for blood and marrow transplant patients. Tolar's research is also investigating novel gene and cellular therapy for organs, such as heart, brain and bone, that are resistant to correction with bone marrow transplantation. Most recently, he is recognized for his work in using a blood and marrow transplant of stem cells to treat severe forms of a rare skin disease called epidermolysis bullosa, or EB.

Dr. Tolar holds the Albert and Eva Corneia Chair, is the Director of Stem Cell/Gene Therapies in Department of Pediatrics at the University of Minnesota, and serves as the Head of the Membership Committee of the American Society of Pediatric Hematology/Oncology since 2005, on the Scientific Boards of the Fanconi Anemia Research Fund and the Dyskeratosis Congenita Outreach, and on several other committees. The numbers of clinical and experimental research projects that he leads are funded from NIH, NGOs, and private organizations in about \$2 million dollars. Dr. Tolar published around 100 original articles in peer review journals and lectures as invited and keynote speaker on many national and international meetings.

[http://cleft2011icpf.org/files/Tolar et al. Stem Cells 2011.pdf](http://cleft2011icpf.org/files/Tolar%20et%20al.%20Stem%20Cells%202011.pdf)

<http://www.med.umn.edu/peds/bmt/faculty/tolarjakub/home.html>

http://www.mmf.umn.edu/givingmatters/2010/fall/finding_hope.cfm

<http://www.youtube.com/watch?v=F8DLVTR1iiQ&playnext=1&list=PL832797C7F96EC620>

<http://minnesota.cbslocal.com/2011/05/20/child-with-rare-affliction-has-stem-cell-transplant/>

<http://www.childrenscancer.org/pioneering-research/donations-at-work/>

<http://www.ahc.umn.edu/meet/experts/tolar/>

http://www.fox11online.com/dpp/news/local/fox_cities/knuth-undergoing-bone-marrow-stem-cell-transplant

http://www.twincities.com/ci_15749155?IADID=Search-www.twincities.com-www.twincities.com

<http://www.youtube.com/watch?v=XOd5sewWARE&feature=related>