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Antonia Müller is a physician scientist working in the area of stem- and immune cell therapies at the Department of Medical Oncology & Hematology of the University Hospital Zurich, Switzerland. Before joining the Hematology Department in Zurich in 2012 Antonia spent >6 years in research in a basic transplant immunology laboratory at Stanford, California, Division of Blood & Marrow Transplantation. There, she developed preclinical stem cell transplantation models, which would serve to identify the beneficial and detrimental impacts of specific cellular graft components on blood and immune reconstitution as well as side effects after transplantation. Such studies provide critical basic knowledge to highly manipulate and engineer cellular grafts for clinical implementation. Today in Switzerland Antonia continues to examine the basics of blood and immune reconstitution, but also heads the clinical cell laboratory for stem- and immune cell therapies, the autologous stem cell transplantation program, as well as the CAR-T cell program. Her overall goal as a physician scientist is to improve cellular therapies, increase the chance of cure, and lower the pain and burden of transplant-related side effects.