

Elena Timoféeff-Ressovsky Seminar Series

Notable Women in Science & Medicine

presents



Photographic design: Lukas Eckardt

supported by the Society of Friends of the MDC Berlin-Buch

Professor Cornelia M. Weyand

Immunology and Rheumatology, Stanford University School of Medicine

“The Warburg Effect – From Cancer to Autoimmune Disease”



Wednesday, July 06, 2016

3.00 p.m.

MDC.C, Axon 2

Hosts: **Christiane Nolte**
Uta Höpken

If you are interested to discuss scientific issues with Dr. Weyand, please contact the hosts.

After the scientific presentation there will be opportunity for personal discussion with the speaker about issues related to women in life-science careers. Please contact cnolte@mdc-berlin.de





Cornelia M. Weyand

Cornelia M. Weyand, M.D., Ph.D. is the Chief of the Division of Immunology and rheumatology at Stanford University School of Medicine. Dr. Weyand previously directed the Clinical Immunology and Immunotherapeutics Program in the Department of Medicine at the Mayo Clinic and held the David C. Lowance Chair in Medicine at Emory University. Dr. Weyand has had a special interest in tissue damaging immune responses in rheumatoid arthritis, atherosclerosis and large vessel vasculitis. She and her collaborators have established several preclinical models, including a chimera model in which human synovial tissue and human blood vessels are engrafted into immunodeficient mice. In these model systems, Dr. Weyand's research team has defined the role of T cells and dendritic cells in deviating from protective to destructive immunity. Over the last decade, she has devoted special emphasis to the remodeling of the immune system with aging, how chronic disease ages the immune system, and how aged immune cells cause inflammation. She has defined molecular defects underlying the premature aging process in patients with rheumatoid arthritis, implicating deficiencies in telomerase and the DNA damage sensor Ataxia Telangiectasia Mutated (ATM) in T cell dysfunction. Together with her fellows and students, Dr. Weyand has identified and characterized immune cells that mediate medium vessel vasculitis and has defined the molecular underpinnings of the immuno-stromal interactions that cause arterial inflammation.