

André E. Nel, M.B., Ch.B; M.D.



André Nel is a Distinguished UCLA Professor on merits of scholarship, teaching, patient care, entrepreneurship, community/national service and campus leadership. Professor Nel obtained his medical (M.B.,Ch.B) and Internal Medicine degrees (MMed) magna cum laude at Stellenbosch University in Cape Town, South Africa. He received a Doctorate of Medicine (M.D.) degree at Stellenbosch in 1986. He underwent postgraduate medical and science training in the US, with board certification by the American Boards of Internal Medicine and Clinical Allergy and Immunology. Dr Nel's clinical excellence has been recognized by peer selection in the Best Doctors of America as well as receiving the John Salvaggio Memorial Award for outstanding service to the American Academy of Asthma Allergy and Immunology. Professor Nel has established and directed internationally recognized research centers engaged in the study of air pollution health effects. His groundbreaking work on air pollution particles during the commencement of the US National Nanotechnology Initiative (NNI) allowed him to become a pioneer in nano medicine, including the founding of one of the first nano medicine programs in the nation. Under Dr. Nel's direction, UCLA has successfully established some of the largest federally funded nanotechnology research programs in the US. The UC Center for the Environmental Implications of Nanotechnology (UC CEIN) is the premier think tank for the safe and sustainable implementation of nanotechnology in the US (<http://www.cein.ucla.edu/new/>), while the nanomedicine efforts he

is putting together in the California Nanosystems Institute (CNSI) is spearheading efforts for nanotechnology translation and commercialization on the UCLA campus. Professor Nel is a recipient of the Harry Truman Award and received the 2013 California Governor's Economic Leadership Award (on behalf of CEIN). He plays national leadership roles in science, biomedical research, technology and policy. He served as a member and chair of an NIH study section and was a panel member for the National Science Foundation in producing a comprehensive US Government blueprint for developing the US nanotechnology enterprise. He was a member of the US Bilateral Presidential Commission negotiating technology cooperation with Russia, and served as a panel member on Pres. Obama's Science and Technology Council (PCAST) for strategizing the National Nanotechnology Initiative's plan for technological innovation and commercialization under "Nano 2". Dr Nel has represented the US State Department and the NIH in cooperative research agreements with Japan and the Chinese Academy of Sciences. He was elected as an Honorary Foreign Professor in the Chinese Academy of Sciences. He plays an active role in the governance, ethics, regulation, safe implementation and sustainable nanotechnology development in the US and internationally. Because of his expertise in above areas, he advises US, Chinese and European government agencies and industries. Dr. Nel frequently acts as keynote speaker at international conventions and a highly cited scientific scholar (<https://scholar.google.com/citations?user=975yvVwAAAAJ&hl=en&oi=ao>). He serves as associate editor of ACS Nano. Prof Nel and his collaborators have filed a large number of U.S. patents and he is actively engaged in entrepreneurial and commercial startup activities as Associate Director of Research at the CNSI.

Contact Information: anel@mednet.ucla.edu