



[Carol Lewis \[1\]](#)

NASA SBIR/STTR MD Liaison, SMD



Dr. Carol Lewis is the NASA SBIR Science Mission Directorate (SMD) Liaison. This includes supporting the SMD Mission Directorate Representatives in SBIR solicitation and portfolio activities, and providing program oversight guidance which reflects NASA Science technology needs and priorities. Prior to November 2018 she was Jet Propulsion Lab's (JPL) SBIR/STTR Center Technology Transition Lead, which included planning, developing, and implementing activities to assure that the program produced technologies that support JPL and NASA missions, and collaborating toward their commercialization by industry.

Prior to joining SBIR/STTR, she served as a technical line manager for spacecraft power systems and technologies, and optical and chemical sensors. Her organizations supported numerous planetary and earth orbiting flight projects with hardware design, development and testing, and cutting-edge technology development of photovoltaic arrays, thermal to electric power conversion, solid state electrochemistry, advanced bulk and thin film batteries, direct methanol fuel cells, optical metrology sources, and array-based chemical sensing. As Instrument Manager for JPL's ENose, she led the delivery of this array-based sensing technology demonstration, bridging the TRL 4-to-6 transition; a year later, ENose completed its successful six-month ISS flight experiment. Before joining JPL, Dr. Carol Lewis supervised the materials development group at the Varian Research Center (Palo Alto) that was responsible for numerous record-breaking efficiencies for single-junction and multijunction single-crystal semiconductor solar cells.

She received a Ph.D. degree in Inorganic Chemistry from the Massachusetts Institute of Technology, and a Bachelor of Science degree in Chemistry from Yale University.

