

Professor Marina Petrukhina has received a 3-year, ABR (Accomplishment Based Renewal) grant award from NSF. This project is set to explore a diverse set of novel nanocarbon materials ranging from carbon bowls to nanobelts and warped nanographene. Studies of multi-electron uptake by such novel nanostructured systems should improve our understanding of their fundamental properties and expand applications of carbon-rich materials in several technological fields ranging from electronics to energy storage. This program lies at the interface of organometallic, supramolecular and nanochemistry and provides unique educational and research experiences for graduate and undergraduate students at the University at Albany. The program is designed to engage the students in a modern interdisciplinary research in synthetic, structural and materials chemistry and thus to prepare them for successful careers in chemistry.