

Executive Summary:

Texas A&M Nuclear Engineering Faculty Development Project

Texas A&M Nuclear Engineering Faculty Development Project will promote the career development of a probationary faculty member in the Department of Nuclear Engineering at Texas A&M University. The funds will enable a faculty member to jump-start a research career in a new strategic direction that aligns with exciting scholarship opportunities in nuclear science and technology, including radiochemistry. With significant institutional support the Department is now comprised of 29 faculty members, 19 of these tenured/tenure-track. A significant number of junior faculty (3) have indicated interest in benefitting from this program. The TAMU Nuclear Engineering Faculty Development Project would fund at least one of these three, selected by a competitive internal process that will be based on presentation of a research proposal, as well as a vision for integrating the teaching and research aspects of the proposed work. The Department will tap into the Center for Teaching Excellence at the University and will integrate teaching enhancement elements with the research work proposed under this grant. By enriching the research portfolio of junior faculty, this grant will also enable the Department to attract top quality graduate students from in and out of state. This will support the envisioned workforce demands in the nuclear sector, particularly those linked more closely to the research experience nurtured in the “next generation” of nuclear professionals.

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