

AFOSR-Supported Nobel Prize Laureates

The Air Force Office of Scientific Research has created a strong legacy of Nobel Prize winning research.

One of the most highly coveted and recognized awards, the Nobel Prize recognizes those who contribute significant achievements in the areas of physics, chemistry, physiology or medicine, literature, peace, and economic sciences (the Sveriges Riksbank Prize in Economic Sciences in Memory of Alfred Nobel). The Nobel Foundation was established in 1900, and in 1901 the Nobel Prize became the first international award to be given on an annual basis. Established as outlined in his last will and testament, Dr. Alfred Nobel stated, "...the whole of my remaining realizable estate shall be dealt with in the following way...annually distributed in the form of prizes to those who, during the preceding year, shall have conferred the greatest benefit to mankind." For over one hundred years, Nobel laureates in the fields of physics, chemistry, economics and physiology or medicine have been the recognized leaders in their respective fields, accomplishing research at the very edge of the frontiers of science.

Since its establishment in 1951, the Air Force Office of Scientific Research (AFOSR) has sponsored 70 researchers who went on to become Nobel laureates. On average, these laureates received AFOSR funding 16 years prior to winning their Nobel awards. The accomplishments of these laureates demonstrate the astute ability of AFOSR program managers to choose world-class researchers to address Air Force requirements and advance Air Force programs. The following descriptions of the work performed by AFOSR-funded Nobel recipients recognize the remarkable scientific achievements that have contributed to the significant United States Air Force advantage on the battlefield. AFOSR has funded 35 laureates in Physics, 24 in Chemistry, eight in Physiology or Medicine, and three in Economics.*

*Select quotes in the following descriptions of respective Nobel Laureate accomplishments are from: "All Nobel Prizes". Nobelprize.org. 28 Jun 2010 http://nobelprize.org/nobel_prizes/lists/all.

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