

“Creativité Sans Frontières”

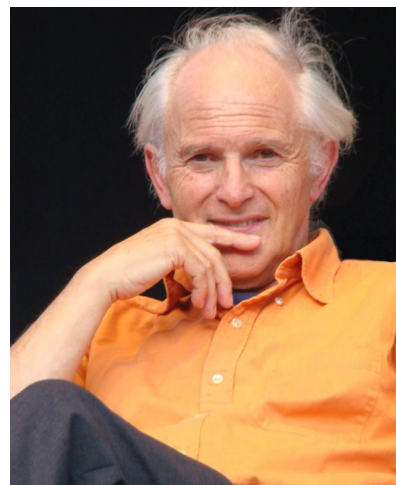
(Creativity is Borderless)

Sir Harold (Harry) Kroto

**Department of Chemistry and Biochemistry
Florida State University**

**Friday, February 8th, 2013
LECTURE: 1:00 PM - 03:30 PM**

**MODESTO A. MAIDIQUE CAMPUS
ROOM GC 150
11200 S.W. 8th STREET
MIAMI, FL 33199**



Abstract:

Pasteur claimed that “Fortune favours only the prepared mind”. Simply stated and oft-quoted but the question is of course: How does one actually “prepare” one’s mind to be creative? This presentation examines all aspects of creativity in general, providing evidence that to be successful in any walk of life the most important thing that we must develop is an openness to ideas and concepts from every corner – often a seemingly unlikely corner – of the intellectual and cultural environment from the Arts to the Sciences. If one examines a wide range of examples of creativity one finds that there are common factors wherever breakthroughs are made in science, technology, the arts, the media etc. The evidence is that creativity invariably involves a synthetic process in which contributing factors which might, *a priori*, have seemed disparate are conflated to produce something totally new and novel. From an educational perspective a key aim of education must be to unlock the creative potential of all our young people and this means that an educator must find ways of stimulating and encouraging the intellectual curiosity that all small children possess from the moment they are born and that as students they must maintain across all the educational subject boundaries.

Biography

Sir Harold (Harry) Kroto is currently a Francis Eppes professor of Chemistry at Florida State University, where he is carrying out research in nanoscience and cluster chemistry as well as developing exciting new Internet approaches to STEM educational outreach. In 1996 he was knighted for his contributions to chemistry and later that year was one of three recipients of the Nobel Prize for Chemistry in 1996. He is a Fellow of the Royal Society of London, and holds an emeritus professorship at the University of Sussex in Brighton, United Kingdom. The research program focuses on the complex range of molecular constituents in carbon vapour; the development of novel 2 and 3D metal-cluster/organic frameworks as well as peptides; the stabilization of small fullerenes; and carbon nanotube based devices behaviour. Sir Harold obtained a first class BSc honours degree in Chemistry (1961) and a PhD, in molecular spectroscopy in 1964 at the University of Sheffield (UK). After post-doctoral positions at the National Research Council in Ottawa, Canada (1964-66) and at the Murray Hill Bell Laboratories (NJ, US) in 1966-67 he started his independent academic career at the University of Sussex.

Contact: bmeinfo@fiu.edu; 305-348-6717

Map: <http://campusmaps.fiu.edu>