

**“Exploring the Nanoworld”
List of possible topics**

Year	Name	Topic	Student	Supervisor
1901	W.C. Röntgen	Discovery of X-rays	K. Albrecht	UH 3.12
1914	Max von Laue	X-ray diffraction		
1915	W. H. and W.L. Bragg	Crystal structure analysis by X-rays	Wenting Huang	UK 17.12
1917	C.G. Barkla	Characteristic X-rays		
1921	Albert Einstein	Photoelectric effect	Ö. Aslanbas	UH 17.12
1924	Karl M.Siegbahn	X-ray spectroscopy	Xiuyan Sun	UH 14.1
1927	A.H. Compton	Compton effect		
1929	L.V. deBroglie	Wave nature of electron	Haoyuan Qi	UK 14.1.
1935	J. Chadwick	Discovery of neutron	Günes Antalyali	UH 28.1
1937	Davison/Thomson	Diffraction of electrons	Biao Kang	UK 28.1
1953	Frits Zernike	Phase contrast	Ali Can Kaya	UK 4.2.
1954	Max Born	Statistical interpretation of wave function		
1961	Robert Hofstadter	Electron scattering in atomic nuclei		
1964	Townes et al.	Maser/Laser	Niokuoba Ahaziah	UH 4.2.
1971	D. Gabor	Holography		
1979	A. M. Cormack G. N. Hounsfield	Computer assisted tomography	T. Amende	UH 11.2
1982	Kai M. B. Siegbahn	High-resolution electron spectroscopy		
1986	Ernst Ruska	TEM	Wenwen Chen	UK 11.2
1986	Binnig and Rohrer	STM	Hsinhui Huang	UK 18.2
2003	P. C. Lauterbur , Sir Peter Mansfield	MRI	Tuna Oeztuerk	UK 3.12.
2005	R.J.Glauber	Quantum theory of optical coherence		
2005	J. L. Hall, T.W. Hänsch	Laser-based precision spectroscopy	Jinghan Liu	UH 18.2
2009	Charles K. Kao	Optical fibres	Giorgos Papageorgiou	UH
2010	Novoselov, Geim	Graphene	Ren Zhe	UK

