

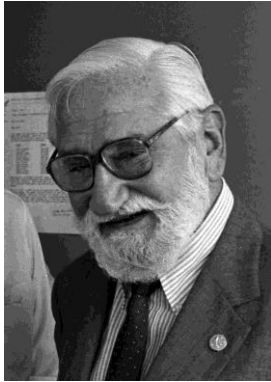


Lesson 7

Leading Scientists & Experts

SUB-SECTION	NAME	BORN - DIED	MAIN EXPERTISE	IMAGE
7.2	Edward Jenner	May 17, 1749 – January 26, 1823	<ul style="list-style-type: none"> ▪ Edward Jenner, an English physician and a scientist was the architect of the world's first vaccine – the smallpox vaccine. ▪ Jenner, sometimes referred to as the "father of immunology", was well aware of the observations that milkmaids were often immune to smallpox. ▪ He assumed that contracting cowpox, a lesser but common disease among milkmaids, induced immunity against smallpox. While the practice of inoculation with cowpox wasn't new, Jenner was the first to prove that this process will induce immunity to smallpox. 	 <p style="font-size: small;">Credit: https://wellcomeimages.org/indexplus/image/L0026138.html </p>

SUB-SECTION	NAME	BORN - DIED	MAIN EXPERTISE	IMAGE
7.2	Jonas Edward Salk	October 28, 1914 - June 23, 1955	<ul style="list-style-type: none"> ▪ The name, Jonas Salk, is mainly associated with the polio vaccine and the beginning of the end for a horrible disease. ▪ After receiving his own lab, Salk began studying the polio virus in hopes of developing a vaccine. And so, in April of 1955, after extensive research and clinical tests, the vaccine was announced as safe and effective for public use. 	
7.2	Albert Sabin	August 26, 1906 - March 3, 1933	<ul style="list-style-type: none"> ▪ Albert Sabin, much like Jonas Salk, is famous primarily for the development of the polio vaccine. ▪ Unlike Salk's, Sabin's vaccine contained a "live" virus and due to its ease of use (oral drops) gained substantial popularity. 	

SUB-SECTION	NAME	BORN - DIED	MAIN EXPERTISE	IMAGE
7.5	Prof. Peter Palese		<ul style="list-style-type: none"> ▪ Peter Palese is an expert on RNA viruses who spends most of his time researching influenza viruses. ▪ Palese successfully identified the function of several influenza viral genes and was able to reconstruct the 1918 pandemic influenza virus. ▪ In addition to contributing to the development of new flu vaccines, Palese is trying to design a universal flu shot - a onetime vaccine that will replace the yearly vaccines we have today. 	