

2022 Sunhak Peace Prize Laureates' Achievements 1

Co-Developer of Oxford-AstraZeneca Vaccine

Dame Sarah Catherine Gilbert

Born: April 1962, United Kingdom

Dame Sarah Catherine Gilbert, Professor of Vaccinology at Jenner Institute, University of Oxford, is a scientist who co-developed the Oxford-AstraZeneca coronavirus vaccine, which is easier and less expensive to manufacture, store and transport. More than 2.5 billion doses of the Oxford-AstraZeneca vaccine have been delivered to 182 nations across every continent as of January 2022, playing a vital role in protecting the lives of people in low-income countries with weak healthcare systems.

■ Academic Background

- Bachelor of Science in Biological Sciences, University of East Anglia
- Ph.D. in Biochemistry, University of Hull
- Honorary Doctorate of Science, University of East Anglia

■ Professional Background

- 1986-1987 | Research Scientist, Brewing Research Foundation
- 1987-1989 | Research Scientist, Leicester Biocentre, Leicester University
- 1989-1994 | Research Scientist, Delta Biotechnology Ltd.
- 1994-2010 | Senior Molecular Biologist, Nuffield Department of Medicine, University of Oxford
- 1999-2010 | Lecturer, University of Oxford
- 2004-2010 | Reader in Vaccinology, University of Oxford
- 2006-2010 | Jenner Investigator, University of Oxford
- 2007 | Received flu vaccine development project grant from Wellcome Trust;
Program Manager, Wellcome Trust Strategic Award on Human and Veterinary Vaccine Development
- 2010-2021 | Professor of Vaccinology, Jenner Institute, Nuffield Department of Medicine, University of Oxford

- 2016-Present | Co-founded Vaccitech with Adrian V.S. Hill, a biotechnology company developing vaccines and immunotherapies for infectious diseases and cancer

■ Awards

- 2021 | Humanists UK Rosalind Franklin Medal
- 2021 | Albert Medal of the Royal Society of Arts
- 2021 | Dame Commander of the Order of the British Empire
- 2021 | Princess of Asturias Award for Technical & Scientific Research
- 2021 | Royal Society of Medicine Gold Medal
- 2021 | Erna Hamburger Prize

■ Publications

- 2021 | 『Vaxxers』 Professor Sarah Gilbert and Dr. Catherine Green, 2021.

■ Achievements

Approached vaccine as global public goods and contributed to saving lives in low-income nations by delivering over 2.5 billion doses of vaccine at low-cost

Dame Sarah Gilbert, Professor of Vaccinology at the Jenner Institute, University of Oxford, viewed the Covid-19 pandemic as a common threat to humanity and approached vaccine as a global public good. She stood firm that vaccine sale was not for profit and contracted with AstraZeneca who pledged to manufacture and distribute the vaccine at low cost. The Oxford-AstraZeneca vaccine is easier and less expensive to manufacture, store and transport; it has been delivered over 2.5 billion doses to 182 nations around the globe as of January 2022, playing a vital role in protecting the lives of people in low-income countries with less medical aid.

Developed the revolutionary 'plug-and-play' method that rapidly designs vaccines against new viruses to protect humanity from 'Diseases -X'

Professor Dame Sarah Gilbert has been working for over 25 years on designing vaccines against infectious diseases such as Middle East Respiratory Syndrome (MERS), Crimean Congo Haemorrhagic Fever (CCHF), Nipah virus, and Lassa fever. Realizing the importance of speed in overcoming infectious diseases, she developed the 'plug and play' method to design a vaccine. Based on her years of scientific research to prepare for a future epidemic of 'Disease-X' before the Covid-19 outbreak, her team was able to design a Covid-19 vaccine in early 2020, just 2 weeks after the outbreak.

2022 Sunhak Peace Prize Laureates' Achievements 2

Global Leader in Promoting Vaccine Equity at the Forefront of Covid-19

Gavi, The Vaccine Alliance

Founded: January 2000, Switzerland

Gavi, the Vaccine Alliance, is the largest international cooperation mechanism that contributed to improving overall health of humanity by providing vaccination to children in low-income countries. Gavi coordinated the COVAX Facility immediately after the coronavirus outbreak in the year 2020 to provide fair and equitable access to Covid-19 vaccines in every nation across the globe, including developing countries where it is difficult to proactively secure vaccines. The COVAX initiative to reduce vaccine disparity between high-and low-income countries aims to accelerate the development, production, and equitable access to vaccines. It has greatly contributed to saving lives in low-income countries by delivering over 1 billion doses of vaccine to 144 countries as of January 2022.

■ Main Activities

- 2001-Present | Immunized over 500 million children in 73 countries with pentavalent vaccine (diphtheria, tetanus, pertussis, hepatitis B, and Haemophilus influenzae type b)
- 2001- Present | Delivered over 55 million doses of yellow fever vaccine to 14 countries, preventing over 1 million deaths
- 2007- Present | Vaccinated 2nd dose of measles to over 95 million children
- 2008- Present | Vaccinated 100 million children against rotavirus in 48 countries
- 2009- Present | Vaccinated over 183 million children with PCV (Pneumococcal Conjugate Vaccine)
- 2010- Present | Vaccinated over 9 million children against Meningitis A, the first vaccine specifically developed for Africa
- 2013- Present | Reached over 275 million children through measles-rubella prevention campaigns
- 2018- Present | Introduced the first vaccine against Ebola virus
- 2020- Present | Coordinated the COVAX Facility in response to Covid-19 pandemic

■ Awards

- 2019 | Lasker-Bloomberg Public Service Award
- 2020 | Princess Asturias Award for International Cooperation

■ Partnerships

- 2000- Present | The Bill & Melinda Gates Foundation, key partner in vaccine market shaping
- 2000- Present | World Health Organization, key partner in policy influence and implementing
- 2000- Present | UNICEF, key partner in implementing immunization program
- 2000- Present | The World Bank, key partner in shaping economic and financing strategies

■ Achievements

Contributed to global vaccine equity by delivering vaccines to lower and middle-income countries

In response to vaccine inequity and stockpiling of vaccines in rich countries especially during the Covid-19 pandemic, Gavi, the Vaccine Alliance pursued international solidarity and multilateral cooperation for universal and equitable access to vaccines. Gavi coordinated the COVAX initiative immediately after the coronavirus outbreak in the year 2020, a global collaboration to support manufacturing of Covid-19 vaccines and negotiate their pricing for fair and equitable access. COVAX is a worldwide initiative aimed at equitable access to Covid-19 vaccines directed by Gavi, the Vaccine Alliance, the Coalition for Epidemic Preparedness Innovations (CEPI), and the World Health Organization (WHO). As of January 2022, the count of vaccines distributed in 144 nations worldwide has reached 1 billion. These efforts are serving as a global solution to the pandemic, and 90% of the vaccines provided to low and middle-income countries have been fully funded.

Contributed to vaccinating 800 million children worldwide, reducing child mortality rate by 50%

Gavi, the Vaccine Alliance, is the largest international cooperation mechanism that contributed to improving the overall health of humanity by providing vaccination to children in developing countries. It is an international cooperation mechanism that brings together public and private agents including governments, associations, NGOs, development agencies, foundations, companies, and other agencies, via which 820 million children in developing countries have been vaccinated, and it has prevented over 14 million deaths since its founding in the year 2000. In particular, the number of children immunized with the DPT3(diphtheria, tetanus, and pertussis) vaccine in 73 developing countries increased from 59% in 2000 to 81% in 2020. And the number of vaccines available to the inhabitants of the poorest countries has increased from 5 to 17, including the pentavalent (a five-in-one vaccine against diphtheria, tetanus, pertussis, hepatitis B and Haemophilus influenzae type b), rotavirus, pneumococcus, cholera, typhus, measles, rubella, yellow fever, polio vaccine, etc.

Directly contributed to the achievement of 14 of the 17 UN Sustainable Development Goals

Gavi directly contributed to the achievement of 14 of the 17 UN Sustainable development goals, aiming to reach the figure of 300 million immunized children, 1.1 billion immunized minors and prevent 22 million future deaths by 2025.

2022 Founders' Special Honorary Award 3

Leader of Sustainable Development in Southeast Asia and Supporter of New Peace Process on the Korean Peninsula

H.E. Samdech Hun Sen

Born: 4 April 1951, Kingdom of Cambodia

Prime Minister Hun Sen has been promoting international cooperation for peace by actively participating in various international peace forums and peace initiatives, including those organized by the Universal Peace Federation (UPF), and has especially demonstrated outstanding leadership for the sustainable development of Southeast Asia. In particular, Prime Minister Hun Sen served as the co-chair of the “Summit on Peace on the Korean Peninsula” in line with the Heavenly Unified Korea peace regime proposed by Dr. Hak Ja Han Moon as a new peace process on the Korean peninsula.

■ Academic Background

- B.A. in Politics, Cambodian Tertiary Education
- Ph.D. in Political Science, National Political Academy in Hanoi

■ Honorary Degrees

- 1995 | Honorary Ph.D. in Politics, Southern California University for Professional Studies (U.S.A.)
- 1996 | Honorary Ph.D. in Law, Iowa Wesleyan College (U.S.A.)
- 2004 | Honorary Ph.D. in Political Science, Irish International University of the European Union
- 2015 | Honorary Ph.D. in Literature, Guangxi University for Nationalities (China)

■ Professional Background

- 1977 | Led movement aimed at liberating Cambodia and its people from the genocidal regime

- 1978 | Founding Member, United Front, National Salvation of Kampuchea (UFNSK)
- 1981-1991 | Foreign Minister
- 1985-Present | Prime Minister of Cambodia
- 1993-1998 | Co-Premier then Second Prime Minister of the first coalition government
- 1999 | Led Cambodia to become the 10th member of the Association of Southeast Asian Nations (ASEAN)
- 2015-Present | President of the Cambodian People's Party (CPP)

■ Awards

- 1996 | World Peace Award by the World Peace Academy
- 2001 | 'Lifting Up the World with a Oneness Heart' Award by Sri Chinmoy of the International Peace Center
- 2002 | 'ASEAN Distinguished Honorary Fellow Member' by the ASEAN Engineering Federation
- 2008 | Lao National Gold Medal awarded by Lao PDR President Choummaly Sayasone
- 2016 | Peace and Development Award by the Union Media of ASEAN
- 2016 | ASEAN Lifetime Achievement Award by the Asian Strategy and Leadership Institute
- 2017 | IOC President's Trophy by the International Olympic Committee

■ Achievements

Demonstrated outstanding leadership for the sustainable development of Southeast Asia

Prime Minister Hun Sen has been promoting international cooperation for peace by actively participating in various international peace forums and peace initiatives, including those organized by the Universal Peace Federation (UPF), and he especially demonstrated outstanding leadership for the sustainable development in Southeast Asia.

Cambodia assumed chairmanship of the Association of South-East Asian Nations (ASEAN) in 2002, 2012, and 2022 and hosted the 13th Asia-Europe Meeting (ASEM) summit in 2021, promoting multilateral cooperation for peace and progress in Asia. In particular, it is taking the lead in bridging the development gap between Mekong countries (Myanmar, Laos, Cambodia, Thailand and Vietnam) and building a peaceful Southeast Asian community.

Supported the new peace process on the Korean peninsula as co-chairman of the Summit for Peace on the Korean Peninsula

Prime Minister Hun Sen served as the co-chairman of the “Summit for Peace on the Korean Peninsula” in line with the Heavenly Unified Korea peace regime proposed by Dr. Hak Ja Han Moon as a new peace process on the Korean peninsula. The Summit for Peace on the Korean Peninsula is an international organization launched in September 2021 by leaders and intellectuals from 157 nations that have diplomatic ties between North and South Korea for peace on the Korean peninsula. He has shown leadership in making a breakthrough in inter-Korean relations.

The Summit for Peace on the Korean Peninsula held an international conference in honor of the vision of Rev. Dr. Sun Myung Moon and Dr. Hak Ja Han Moon, who dedicated their lives for peace and reunification of the Korean peninsula. They had risked their lives to enter North Korea and hold a peace summit with Kim Il-sung, the first Supreme Leader of North Korea.