

Grouping Cards

Directions

These grouping cards can be used to create student groups. Prepare them ahead of time by printing and cutting out each card (lamine if possible). Copy card sets based on how many students will be in each group. If students work in pairs, duplicate all 15 STEM professionals. If students work in larger groups, make more copies of fewer cards. Direct students

to where each group should sit. When students are grouped together by matching cards, ask them to read about their STEM professional prior to beginning their task or collaborative work.

How might students be inspired by their professional as they work on their assignments?



Kati Karikó

Dr. Karikó is a Hungarian biochemist who has been researching mRNA for over forty years. With her colleagues, her work became the basis of the COVID-19 vaccine. Despite working against the tide in science and, at times, barely being able to secure enough grant money to continue her research, Dr. Karikó's work is now considered ground-breaking. While it is already helping address the COVID-19 pandemic, there are signs that it can also be transforming for other diseases, such as HIV, influenza, and malaria.



Kizzmekia Corbett

Dr. Corbett is the lead for the Coronavirus Vaccines & Immunopathogenesis Team at the National Institute of Health (NIH). As a viral immunologist, Dr. Corbett is working on unique vaccine development for pandemic preparedness. Her team developed mRNA-1273, which was approved by the FDA for use by Moderna in the Phase 1 clinical trial of COVID-19 vaccines. Dr. Corbett and her team continue to work on universal vaccine concepts and therapeutic antibodies for various coronaviruses and influenza.



Amy Harmon

Amy Harmon is a multiple Pulitzer-prize winning journalist who makes sense of the connection between science and society, specifically focusing on ethics, biotechnology, and genomics. She researches inequality in medicine, the effects of race in America, DNA and genetics, and race and gender inequality in science. Recent articles have tackled the fairness of deciding who gets the COVID-19 vaccine first, the lengths people will go to obtain a COVID-19 vaccine, and how variants of the virus can erase progress made toward managing the pandemic.



Kiran Mazumdar-Shaw

Kiran Mazumdar-Shaw is considered "India's First Lady of Biotech." Starting off in the brewery industry, she used her entrepreneurial skills to successfully lead Biocon Limited from a two-person company to a billion-dollar operation seeking to deliver healthcare solutions. Mazumdar-Shaw capitalized on expiring patents for drugs to develop affordable generic medications. She has commented that the Asian mindset is to reduce risk, but instead of "playing it safe" and focusing only on generic medications, her company also strives for pharmaceutical innovation in order to create new drugs, remedies, and therapies.



Sanjiv Navangul

Sanjiv Navangul has been called the "go-to-patient torch bearer" for the biopharmaceutical company Bharat Serums and Vaccines in Mumbai, India. As CEO, he has led this company to amazing patient outcomes in women's health and emergency medicine. Navangul was also instrumental in getting Indian patients access to treatment for multidrug-resistant tuberculosis. Apart from his business role, he shows his genuine concern for the Indian people by serving on multiple pharmaceutical boards and the management committee for the Victoria Memorial School for the Blind.

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Kimberly Smith

Dr. Smith started her career treating AIDS patients in Chicago and has made eradicating HIV her goal. She is a groundbreaking researcher in racial and ethnic disparity in the HIV community and one of the first women of color to lead research and development for an international pharmaceutical company. At ViiV Healthcare, Dr. Smith is working on HIV medications that will decrease both lifetime exposure to medicine and dosing days, making patients' lives more livable.



Alice Chen

Alice Chen is a leader at GRAIL, a healthcare company that is trying to detect cancer earlier in order to start treatment sooner. She led cross-functional teams in developing and launching the multi-cancer early detection test, Galleri™.



Jonathan Sudharta

As the CEO and co-founder of Halodoc, Jonathan Sudharta is instrumental in providing proper medical access to hundreds of millions of Indonesian people without it. Halodoc's app and website allow people to receive attention from one of over 22,000 licensed doctors in Indonesia, get quick diagnoses, and order affordable medication from more than 1,000 pharmacies that deliver.



Tushar Vashisht

Tushar Vashisht has a goal to "help Indians be healthier and fitter using online tools." He helped launch HealthifyMe, India's first comprehensive calorie tracker and AI-powered Smart Plans, which is informed by users' habits and health conditions. Vashisht is a great advocate for improved nutritional guidelines for the people of India, speaking to multiple heads of state.



Li Chen

Li Chen is the founder, CEO, and Chief Scientific Officer for Hua Medicine in Shanghai, China. Holding these multiple roles, his principles include high standards and quality in developing innovative medicines for genetic, lifestyle, and environmental diseases that affect the people of China. His biotech company has developed treatments and provided medical breakthroughs for diabetes and central nervous system disorders.



Li Xu

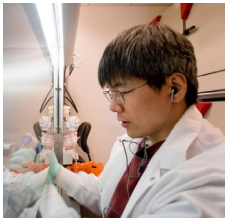
Dr. Xu's career has focused on oncology drug development after she lost her father to cancer. She has extensive experience in full-cycle drug development and a unique insight into the unmet needs of cancer patients. Currently, she is working on the discovery, development, and manufacturing of antibody-based therapies for a global biotherapeutics company.

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Consuelo H. Wilkins

Consuelo H. Wilkins is a physician, biomedical researcher, and health equity expert who works to understand the role of patient engagement on research and medical outcomes. She centers her work on finding ways to involve patients in their own healthcare and is a principal investigator at the Patient-Centered Outcomes Research Institute. Currently, she is working with older adults to identify risk factors for cognitive impairment.



Yu Chen

Dr. Chen has dedicated his career to researching how cancers develop and treating patients with care. He is a leading authority on prostate cancer and focuses his studies on analyzing tumor tissues. Dr. Chen is skilled in stem cell transplants and has successfully treated anemia, bladder cancer, renal cancer, prostate cancer, liver cancer, and secondary malignancies.



Mohammad Al-Ubaydli

Dr. Al-Ubaydli is the founder and CEO of Patients Know Best (PKB) in the United Kingdom. This platform allows patients to easily access and control their medical records. Through his unique experiences as both a patient and a physician, Dr. Al-Ubaydli is able to bring innovation to patient care.



Bohdan Pomahač

Dr. Pomahač is a Czech plastic surgeon with specialty in trauma, restorative surgery, and burn care. Along with colleagues at Brigham and Women's Hospital, Dr. Pomahač has designed a full-face transplant operation. He has been able to perform these transplants for patients due to grants and donated time, and his hope is that insurance companies will begin covering them in the future. He believes that while full-face transplants do not save lives, they do help patients get their lives back after trauma.