PRESS RELEASE

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Fil-Am Cancer Care Partners with Folding@Home (F@H)
Crowdsourcing A Cure for COVID19 and Cancer By Harnessing The Power of Super Computer Systems

Washington, D.C. - Filipino American Cancer Care (FACC) Incorporated, the first-ever FilAm cancer care organization in the DC, Maryland and Virginia (DVM) Metropolitan area, today announced that it has strategically partner with Folding@Home to crowdsource the power of supercomputer and use the complex research computations for humanity's greatest challenges such as COVID-19 and cancer to save millions of lives.

Story of Folding@Home began in October 1, 2001, back then the Pande Lab only consisted of a few people. In 2006 the Folding@Home team (with key collaborators in industry and at Stanford University) began a new initiative to take Folding@home the next to the petaFLOP scale. This is a 1 million floating-point operations per second, a level of performance that was unmatched by even the fastest supercomputers. On September 16, 2007, Folding@home became the first distributed computing project to cross the petaFLOP barrier and were recognized by Guinness World Records. Since its inception of Pande Lab, it has produced more than 223 scientific research papers as a direct result of Folding@home recruiting volunteer users from around the world to donate the unused computing power from their own computers to perform various complex research calculations. Folding@home is one of the world's fastest computing systems. With heightened interest in the project as a result of the 2019–20 coronavirus pandemic, the system achieved a speed of approximately 1.22 exaFLOPS by late March 2020 and reaching 2.43 x86 exaFLOPS by April 12, 2020, making it the world's first exaFLOP computing system. This level of performance from its large-scale computing network has allowed researchers to run computationally costly atomic-level simulations of protein folding thousands of times longer than formerly achieved.

"We are excited to partner with Folding@Home because its primarily aligned in the 4 pillars of our vision for C.A.R.E. particularly in research tools and education outreach areas," said Josie Ziman, Founder and President of FACC. "It's clear that there first work on cancer and p53 opened doors for other universities to enter consortium agreements around the world with prestigious schools such as Bowman lab, Washington University in St. Louis. Chodera lab, Memorial Sloan-Kettering Cancer Center, Voelz lab, Temple University, KTH Royal Institute of Technology, Lindahl Lab, Stockholm University, Kasson Lab, University of Virginia, Izaguirre Lab, Notre Dame on finding cure for cancer research. With Folding@Home app, it puts the power in the hands of individuals to participate in simple yet impactful philanthropic causes that expand a traditional way and paradigm shift from traditional computing methods when donating unused power of computers. Folding@Home has proven that they have the

best expertise in the medical research community". said Edward Logan, Co-Founder and Executive VP of FACC.

"We're simulating the dynamics of COVID-19 proteins to hunt for new therapeutic opportunities. Proteins are molecular machines that perform many functions we associate with life. They sense the environment (e.g. in taste and smell), perform work (e.g. muscle contraction and breaking down food), and play structural roles (e.g. your hair). They are made of a linear chain of chemicals called amino acids that, in many cases, spontaneously "fold" into compact, functional structures. Much like any other machine, it's how a protein's components are arranged and move that determine the protein's function. In this case, the components are atoms. Viruses also have proteins that they use to suppress our immune systems and reproduce themselves. To help tackle coronavirus, we want to understand how these viral proteins work and how we can design therapeutics to stop them. There are many experimental methods for determining protein structures. While extremely powerful, they only reveal a single snapshot of a protein's usual shape. But proteins have lots of moving parts, so we really want to see the protein in action. The structures we can't see experimentally may be the key to discovering a new therapeutic, said Greg Bowman, Director of Folding@Home housed at the Washington University in Saint Louis.

"FACC's members and volunteers' passion to collaborate on my finding cure to fight cancer in underserved communities and Folding@Home expertise in harnessing the power of technology and complex medical research capabilities make our partnership a clear win-win," added by Dr. Vijay Pande, Founder and former Director of Folding@Home.

ABOUT Filipino American Cancer Care –

Established February 2020, a newly formed 501 (c)(3) non-stock, non-profit, non-political, charitable and all volunteer-based cancer organization in the District of Columbia, Maryland and Virginia (DMV) area is dedicated to serving the Fil- Am cancer community, as. The FACC primary mission is to C.A.R.E. about Filipino, Filipino-American and anyone medically underserved in the Philippines and United States by assisting those impacted by cancer. The FACC's vision rest into four (4) major pillars of C.A.R.E. which denotes Collective outreach programs designed to fit our unique culture for our community, Advocate for better comprehensive cancer care during and after/post treatment, Research tools for cancer patients, survivors, family members, and caregivers regarding financial assistance, and lastly Educate our community on cancer prevention, early detection, screening and treatment options.

To learn more about FACC, please visit: www.filamcancercare.org

ABOUT Folding @Home (FAH) –

It is the first distributed computing project for simulating protein dynamics, including the process of protein folding and the movements of proteins implicated in a variety of diseases. It brings together citizen scientists who volunteer to run simulations of protein dynamics on their personal computers. Insights from this data are helping scientists to better understand biology, and providing new opportunities for developing therapeutics. This includes the process of protein folding and the movements of proteins, and it's all reliant on the simulations run on the volunteers' personal computers. Folding@home is currently based at Washington University in St. Louis and led by Dr. Greg Bowman, a former student of Dr. Pande.

To learn more about FACC, please visit: https://foldingathome.org