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HAWAII STUDENT AWARDED FOR DEVELOPING OCEAN RESEARCH METHODS

Christopher Lindsay to be Awarded $50,000 as a 2016 Davidson Fellow Laureate

Reno, Nev. – The Davidson Institute of Talent Development has announced the 2016 Davidson Fellows. Among the honorees is 17-year-old Christopher Lindsay of Honolulu, Hawaii. Lindsay won a $50,000 Davidson Fellows Scholarship for his project, *Kahakai to Hohonukai: Environmental Studies of Marine Biota Using Underwater Time-Lapse Photography and Multiple Camera Arrays at Various Depths*. He is one of only 20 students from across the country to receive this honor.

"As a Davidson Fellow Laureate, my research celebrates mankind's curiosity, ingenuity, scientific achievements, and determination to explore the unknown," said Lindsay.

For his project, Lindsay developed new methods to observe marine life using arrays of inexpensive underwater time-lapse cameras. His project demonstrates that time-lapse photographic studies are crucial to assess the effects of human debris on marine environments and yielded unexpected results concerning the effects of pollution in our oceans..

"Scientists agree that barely 5 percent of the world's oceans have been studied due to the immense challenges posed by ocean research," Lindsay said.

Raised among scientists and musicians, Lindsay spent his childhood playing multiple instruments. He has performed in classical and jazz venues in the United States and Japan, as well as helped discover an extrasolar planet, and spent time aboard a NOAA research vessel.

Lindsay has competed in more than 25 science fairs and won two nationals essay competitions honoring America's veterans. He also earned a black belt in Shotokan Karate and competed nationally in USTA tennis. He is skipping his senior year of high school and has accepted an invitation from the University of Southern California to participate in their Resident Honors Program and Thematic Options Honors Programs, and will pursue degrees in astronomy and environmental science.

"We are thrilled to recognize the 2016 Davidson Fellows not only for their incredible projects, but also for the journey they forged to reach this point," said Bob Davidson, founder of the Davidson Institute. "Every year I am amazed by the depth of the Fellows' accomplishments. Through encouragement and recognition, the Davidson Institute for Talent Development anticipates that gifted students like these will be among the pioneers who will solve the world's most vexing problems."

The 2016 Davidson Fellows will be honored at a reception in Washington, D.C., on September 21.

The Davidson Fellows Scholarship program offers $50,000, $25,000 and $10,000 college scholarships to students 18 or younger, who have completed significant projects that have the potential to benefit society in the fields of science, technology, engineering, mathematics, literature and music. The Davidson Fellows Scholarship has provided more than $6.7 million in scholarship funds to 286 students since its inception in 2001, and has been named one of the most prestigious undergraduate scholarships by *U.S. News & World Report*. It is a program of the Davidson Institute for Talent Development, a national nonprofit organization headquartered in Reno, Nev. that supports profoundly gifted youth.

(MORE)

About the Davidson Institute

Founded by Bob Davidson in 1999, the Davidson Institute for Talent Development recognizes, nurtures and supports profoundly intelligent young people, and provides opportunities for them to develop their talents to make a positive difference. The Institute offers support through a number of programs and services, including the Davidson Fellows Scholarship and the Davidson Academy of Nevada. For more information about the 2016 Davidson Fellows, please visit www.DavidsonGifted.org.

2016 Davidson Fellow Laureates

$50,000 Scholarships

- **Miss Meena Jagadeesan,** 18, Naperville, Ill.; *The Exchange Graphs of Weakly Separated Collections*
- **Mr. Christopher Lindsay**, 17, Honolulu, Hawaii; *Kahakai to Hohonukai: Environmental Studies of Marine Biota Using Underwater Time-Lapse Photography and Multiple Camera Arrays at Various Depths*
- **Miss Sriharshita Musunuri**, 16, Mill Creek, Wash.; *Application of Tetrahedrite and Magnesium Silicide in a Novel Thermoelectric Unicouple to Generate Electricity from Industrial Waste Heat*
- **Mr. Nicolas Poux**, 17, Palo Alto, Calif.; *Development of a High-Resolution Multi-color Fluorescent Reporter for Clonal Analysis*

2016 Davidson Fellows

$25,000 Scholarships

- **Mr. Michael Du**, 17, Houston, Texas; *Nifurtimox Limits Cell Proliferation in Glioblastoma Multiforme in Vitro*
- **Mr. Anurudh Ganesan**, 16, Clarksburg, Md.; *VAXXWAGON: An Innovative Eco-Friendly "No Ice, No Electric" Active Refrigeration System for Last-Leg Vaccine Transportation*
- **Mr. Raghav Ganesh**, 14, San Jose, Calif.; *Serene: An Assistive Biomedical System for Autism Spectrum Disorder*
- **Mr. Ellis Hamilton**, 17, Fort Sam Houson, Texas; *The Music in Me*
- **Miss Katherine Hudek**, 17, Grafton, Mass.; *Quacee: A New Quantum Programming Language for Specifying Quantum Computations*
- **Mr. Wyatt Pontius**, 18, Sterling, Va.; *Reinventing the Leaf: A Novel Biohybrid Photosynthetic System*
- **Miss Maya Varma**, 18, Cupertino, Calif.; *A Wireless Smartphone-Based System for Diagnosis of Pulmonary Illnesses*
- **Miss Jaelynn Walls**, 17, Pearland, Texas; *Humanity On-Screen: Engendering Positive Self-Perception and Political Activism in Persons With Marginalized Identities*

$10,000 Scholarships

- **Mr. Christopher Huh**, 17, Germantown, Md.; *History's Lessons*
- **Miss Justine Izah**, 17, Crown Point, Ind.; *An Examination of Black Liberation, Stereotypes, Healthcare and Education Through the Eyes of a Black Woman*
- **Mr. Noah Lee**, 16, Oakland, N.J.; *Changing the World Begins With A Single Person Feeling Valued*
- **Miss Surabhi Mundada**, 17, Olympia, Wash.; *MyGlove: Assisting Hand Movements, Grip, and Tremor*
- **Miss Isabel Seguin**, 18, Boston, Mass.; *The Cycle of Uighur Discontent*
- **Miss Kavita Selva**, 16, Houston, Texas; *From Nano Defects to Mega Power: Heavily-Zirconium-Doped Trapped Field (Gd,Y)BaCuO Superconductor Tapes for High Power Wind Turbine Generators*
- **Mr. Clifford Soloway**, 18, Cortlandt Manor, N.Y.; *Reprogramming of Metabolism in Cancer Cells Through Lysine Succinylation*
- **Miss Josephine Yu**, 17, Potomac, Md.; *Lattice and Continuum Models of Solitons and Vortices in Bilayer Graphene*

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High-resolution photos are available at www.DavidsonGifted.org.