

**A Better World Starts with Innovation.
The De Luca Foundation is Empowering Scientists to Innovate.**






**Supporting Researchers Worldwide to Foster a Path of Innovation
in Electromyography and Human Movement Sciences**

www.delucafoundation.org

The De Luca Foundation is a 501c(3) tax exempt organization

Statement of Activities

PARTIAL LISTINGS OF CASH AWARD AMOUNT IN FY 2020 : \$ 149,800.00 USD

AWARD DETAILS	VALUE (USD)
 Support for Students and Professionals	
COVID Donation Initiative – Student Financial Aid 30 student recipients, \$ 1,000.00 USD per recipient	\$ 30,000.00
Support for Research and Innovation	\$ 40,000.00
 Support for Research	
COVID Donation Initiative – EMG Equipment Donation 5 research recipients 2-Sensor Trigno Research System per recipient (~\$7,500.00 USD value each)	\$ 35,000.00
Mobile Equipment Donation Initiative 12 recipients 2-Sensor Trigno Mobile System or Hand Performance Monitor per recipient (~\$3,500.00 USD value each)	\$ 42,000.00
 Support for Meetings	
2020 SPIN Conference Amity University, Noida, India	\$ 200.00
Other Support	
Donation of funds and PPE/sanitization equipment for services to the homeless Pine Street Inn (Boston, USA)	\$ 2,500.00
Shriners Hospitals 2020 Walk for Love Philadelphia, PA	\$ 100.00



Mobile Equipment Donation Initiative

The Mobile Equipment Donation Initiative was an opportunity for researchers, clinicians, and educators to incorporate small-scale EMG into their projects with quick and powerful outcomes, through donations of mobile EMG equipment.

We are pleased to present the following winners of this Initiative:

NAME	AFFILIATION	COUNTRY
Dr. Irene DiGiulio	King's College London	UK
Dr. Thomas Engleder	University of Applied Sciences Ulm	Germany
Dr. Brendan O'Brien	St. Vincent's Private Hospital	Australia
Dr. Jose Manresa	National University of Entre Rios	Argentina
Dr. Leonardo Elias	University of Campinas	Brazil
Dr. Lisa MacFadden	Sanford Health	USA
Dr. Nicholas Coker	Springfield College	USA
Ms. Elissa Embrechts	University of Antwerp	Belgium
Dr. Pablo Iturralde	Universidad Catolica del Uruguay	Uruguay

Pictured (top to bottom, left to right): Dr. Irene DiGiulio, Dr. Thomas Engleder, Dr. Brendan O'Brien, Dr. Jose Manresa, Dr. Leonardo Elias, Dr. Lisa MacFadden, Dr. Nicholas Coker, Ms. Elissa Embrechts, Dr. Pablo Iturralde

COVID Donation Initiative

The COVID Donation Initiative was born out of an urgent call-to-action triggered by the global COVID-19 pandemic, as we sought the most immediate way to support the Biomechanics community.

Through this initiative, we provided students with \$30,000.00 USD in financial assistance, and 5 professionals with research-grade EMG systems, so that they may continue pursuing endeavors that would have otherwise been postponed due to the pandemic.

Professional EMG Equipment Recipients

NAME	AFFILIATION	COUNTRY
Dr. Nadia Vanessa Garcia Hernandez	Center for Research and Advanced Studies	Mexico
Dr. Timothy Reissman	University of Dayton	USA
Dr. Alejandra Aranceta-Garza	University of Strathclyde	UK
Dr. Gerald d'Souza	Mangalore University	India
Dr. Terence McSweeney	Bournemouth University	UK

Graduate & Post-Doctoral Students Worldwide Recipients

NAME	AFFILIATION	COUNTRY
Benjamin Conner	University of Arizona College of Medicine - Phoenix	USA
Carlos Ignacio De la fuente	Universidade Federal de Pampa	Brazil
Elizabeth Michele Orozco	Texas Woman's University	USA
Elmira Pourreza	Middle East Technical University	Turkey
Fariba Hasanbarani	McGill University	Canada
Feifan Wang	The University of Hong Kong	Hong Kong
Gustavo Balbinot	University Health Network	Canada
Hélio V. Cabral	Federal University of Rio de Janeiro	Brazil
Humberto De las Casas	Cleveland State University	USA
Hyunjae Jeon	University of North Carolina at Charlotte	USA
Isabel Alice Ely	University of Nottingham	UK
James McDonnell	Indiana University	USA
Jaywoo Kim	University of Michigan	USA
John Jerome Davis	Indiana University Bloomington	USA
Kate Anne Spitzley	University of Oregon	USA
Keisuke Kubota	Graduate School of Saitama Prefectural University	Japan
Kevin Mark Biese	University of Wisconsin-Madison	USA
Kylie Harmon	University of Central Florida	USA
Landon Bryce Lempke	The University of Georgia	USA
Matheus Maia Pacheco	University of Sao Paulo	Brazil
Mathew Sunil Varre	University of Nevada, Las Vegas	USA
Mehran Rahmani	University of Wisconsin-Milwaukee	USA
Moeka Sonoo	Saitama Prefectural University	Japan
Raza Naseem Malik	University of British Columbia	Canada
Shaquitta Rena Dent	University of Illinois at Chicago	USA
Sumire Sato	University of Massachusetts Amherst	USA
Tanvir Ahmed	University of Wisconsin-Milwaukee	USA
Tasnuva Alam	Georgia State University	USA
Whitney Lauryn Wolff	University of Michigan	USA
Williane Oliveira Bernardes Valentino	University of Eastern Finland	Finland





De Luca Foundation Fellow

Dr. Michael Twardowski
MIT (USA)

We are proud to announce that Michael Twardowski, Research Engineer at Delsys and Altec Inc, and De Luca Foundation Fellow, defended his PhD dissertation on May 12th 2020.

Michael's doctoral research has made substantial contributions in the field of human machine interfaces, translating motor unit firings and action potentials measured from Delsys NeuroMap technology for proportional, multi-DOF control of prosthetic, robotic, and exoskeleton devices.

Committee members including Dr. Zhi (Jane) Li (WPI), Dr. Karen Troy (WPI), Dr. Michael Gennert (WPI), and Dr. Joshua C Kline (Altec/Delsys) all recognized the strength and rigor of Michael's dissertation, unanimously recommending him for the degree of Doctor of Philosophy in Robotics Engineering.



Professor Carlo De Luca (1943-2016)
Founder, The De Luca Foundation
Professor Emeritus, Boston University
Founder, Delsys, Inc. and Altec, Inc.

Upcoming Events

As we learn to navigate a post-COVID world in 2021, the De Luca Foundation will continue to find meaningful ways to support the Biomechanics community in 2021. We encourage all professionals and students to visit our website and social media accounts for announcements of campaigns, initiatives, and meetings (virtual or in-person, pending restrictions).

AWARD/EVENT	CLOSING DATE
Honor Excellence in Research	
Delsys Prize	September 30, 2021

DE LUCA FOUNDATION
contact@delucafoundation.org

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