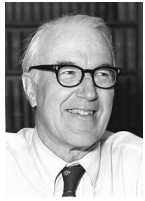


The Britton Chance Award



Alexander Caicedo Dorado received the Britton Chance award from the International Society of Oxygen Transport in Tissue (ISOTT) at the 39th annual meeting in Georges Town University, Washington, U.S.A. (July 23-27, 2011)

for his work on neonatal monitoring using Near-Infrared Spectroscopy , in particular on the subject ``Impaired cerebral autoregulation and its relation to clinical outcomes in premature infants"

and the work he did during a 3-months research stay in the University College London in the Biomedical Optics Research Laboratory (BORL) from April till June 2011.

BORL is internationally recognized as one of the world-leading research groups in Near-Infrared Spectroscopy instrumentation and data processing since at least 25 years.

Alexander worked closely together with Dr. Ilias Tachtsidis, a senior member of BORL and head of the multimodal spectroscopy group, on analyzing multimodal data, including measurements of brain oxygenation with novel signal processing tools he developed.

He managed to obtain an important research grant from our Research

Foundation – Flanders (FWO) in order to cover his expenses. In particular, he has investigated the use of canonical correlation analysis in the study of the brain and systemic haemodynamics in patients undergoing extracorporeal membrane oxygenation (ECMO).

The results of this study are described in the following paper he presented at the conference:

ALEXANDER CAICEDO, MARIA PAPADEMETRIOU, CLARE ELWELL, APARNA HOSKOTE, SABINE VAN HUFFEL, ILIAS TACHTSIDIS.

Canonical Correlation Analysis in the Study of Cerebral and Peripheral Haemodynamics Interrelations with Systemic

Variables in Neonates Supported on ECMO.

In ``Oxygen Transport to Tissue XXXIV" (W. Welsch and D.F. Bruley, eds.), Springer, New York,

Book Series: Adv. Exp. Med. Biol. 2013, submitted.

In 2012 ESAT/SCD/SISTA/BIOMED will be organizing the 40th annual ISOTT meeting in Bruges , Belgium

More information on the awards is given on the website:

<http://isott.org>

(Britton [Chance](#) died last year in November 2010 at the age of 97!)

It was established in honor of Professor Chance's long-standing commitment, interest and contributions to the science and engineering aspects of oxygen transport to tissue and to the society.

This award was first presented in 2004 during the annual conference of ISOTT in Bari, Italy.

Terms of the Award—

- A candidate must not pass his/her 30th birthday before the date of presentation of the award.
- The candidate must provide evidence of sustained research activities in the (or related) field of oxygen transport to tissue.
- The candidate must be a member of ISOTT or eligible for the membership.
- The candidate must submit one (or more) abstract(s) as a lead author, make a presentation of his/her research results during the annual ISOTT conference, and submit a manuscript to the ISOTT proceeding in the year when he/she is nominated.