

## Accepted Manuscript

Dynamic functional network connectivity discriminates mild traumatic brain injury through machine learning

Victor M. Vergara, Andrew Mayer, Kent A. Kiehl, Vince D. Calhoun



PII: S2213-1582(18)30087-1  
DOI: doi:[10.1016/j.nicl.2018.03.017](https://doi.org/10.1016/j.nicl.2018.03.017)  
Reference: YNICKL 1339  
To appear in: *NeuroImage: Clinical*  
Received date: 29 July 2017  
Revised date: 22 February 2018  
Accepted date: 14 March 2018

Please cite this article as: Victor M. Vergara, Andrew Mayer, Kent A. Kiehl, Vince D. Calhoun , Dynamic functional network connectivity discriminates mild traumatic brain injury through machine learning. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Ynickl(2017), doi:[10.1016/j.nicl.2018.03.017](https://doi.org/10.1016/j.nicl.2018.03.017)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

# Dynamic Functional Network Connectivity Discriminates Mild Traumatic Brain Injury through Machine Learning

<sup>1</sup>Victor M. Vergara, PhD, <sup>1</sup>Andrew Mayer, PhD, <sup>1,3</sup>Kent A. Kiehl, PhD, <sup>1,2</sup>Vince D. Calhoun, PhD

<sup>1</sup>*The Mind Research Network and Lovelace Biomedical and Environmental Research Institute, 1101 Yale Blvd. NE, Albuquerque, New Mexico, 87106*

<sup>2</sup>*Dept of ECE and <sup>3</sup>Psychology, University of New Mexico, Albuquerque, NM 87131*

*Running Head: mTBI detection by SVM using dFNC*

*Corresponding Author:*

Victor M. Vergara  
The Mind Research Network  
1101 Yale Blvd. NE  
Albuquerque, New Mexico 87106  
Telephone: 505-272-5028  
Fax: 505-272-8002  
Email: vvergara@mrn.org

Co-author: Andrew R. Mayer  
The Mind Research Network  
1101 Yale Blvd. NE  
Albuquerque, New Mexico 87106  
Telephone: 505-272-5028  
Fax: 505-272-8002  
Email: amayer@mrn.org

Co-author: Kent A. Kiehl  
The Mind Research Network  
1101 Yale Blvd. NE  
Albuquerque, New Mexico 87106  
Telephone: 505-272-5028  
Fax: 505-272-8002  
Email: kkiehl@mrn.org

Co-author: Vince D. Calhoun  
The Mind Research Network  
1101 Yale Blvd. NE  
Albuquerque, New Mexico 87106  
Telephone: 505-272-5028  
Fax: 505-272-8002  
Email: vcalhoun@mrn.org

Download English Version:

<https://daneshyari.com/en/article/8687582>

Download Persian Version:

<https://daneshyari.com/article/8687582>

[Daneshyari.com](https://daneshyari.com)