

## Accepted Manuscript

Title: Representation learning for mammography mass lesion classification with convolutional neural networks

Author: John Arevalo Fabio A. González Raúl Ramos-Pollán  
Jose L. Oliveira Miguel Angel Guevara Lopez



PII: S0169-2607(15)30011-0  
DOI: <http://dx.doi.org/doi:10.1016/j.cmpb.2015.12.014>  
Reference: COMM 4040

To appear in: *Computer Methods and Programs in Biomedicine*

Received date: 8-7-2015  
Revised date: 18-12-2015  
Accepted date: 21-12-2015

Please cite this article as: John Arevalo, Fabio A. González, Raúl Ramos-Pollán, Jose L. Oliveira, Miguel Angel Guevara Lopez, Representation learning for mammography mass lesion classification with convolutional neural networks, *Computer Methods and Programs in Biomedicine* (2016), <http://dx.doi.org/10.1016/j.cmpb.2015.12.014>

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.

**Highlights**

- Innovative representation learning framework for breast cancer lesion classification.
- A hybrid CNN method to learn image-based features in a supervised way.
- New breast cancer benchmarking dataset to support computer-aided diagnosis methods.

Accepted Manuscript

Download English Version:

<https://daneshyari.com/en/article/6891491>

Download Persian Version:

<https://daneshyari.com/article/6891491>

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