

# IEEE JOURNAL OF SELECTED TOPICS IN SIGNAL PROCESSING



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## Issue on Advanced Signal Processing in Microscopy and Cell Imaging

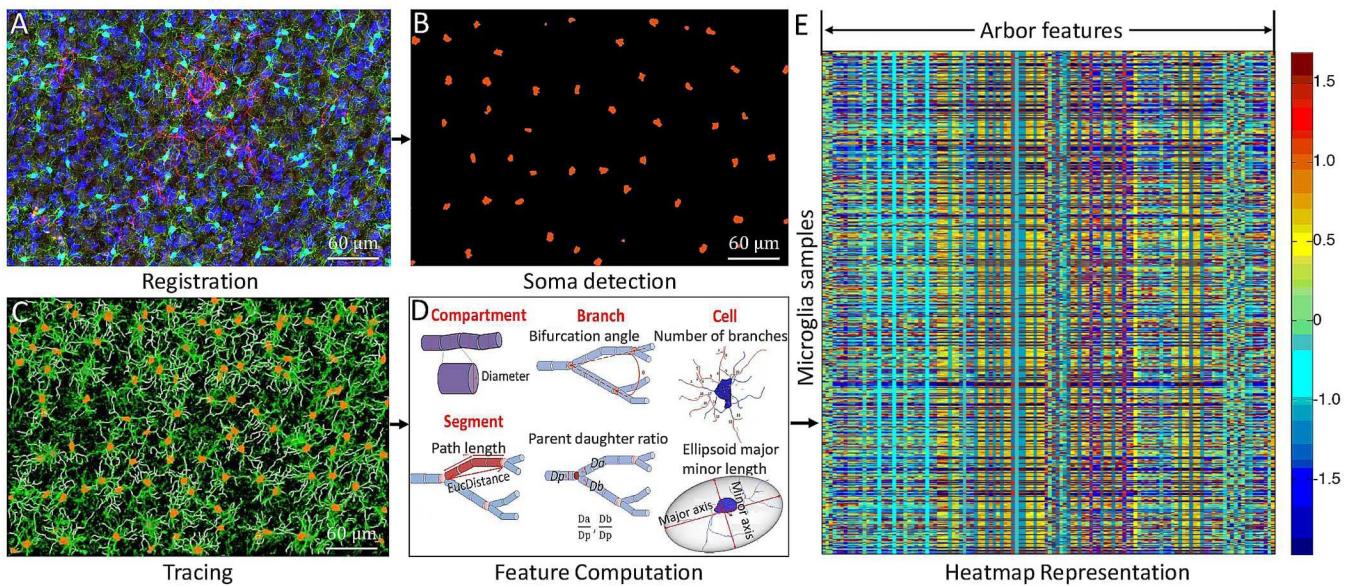


Image processing pipeline. (A) A maximum-intensity projection of a small region from the 3-D image montage from Fig. 1; (B) Middle 2-D optical slice from the 3-D microglial soma segmentation results (in orange); (C) 3-D volume rendering of automated microglia reconstruction results (in white) overlaid on the Iba-1 channel (green), and the soma segmentations in orange. (D) Illustrating the L-measure feature computation at multiple levels of granularity, at the compartment, segment, branch and cell levels. (E) Heatmap summary display of the combined L-measure feature table for the datasets in Figs. 1(a) and 1(c), with each row corresponding to a cell and each column corresponding to an L-measure feature.

For more see “Unsupervised Profiling of Microglial Arbor Morphologies and Distribution Using a Nonparametric Bayesian Approach” by Y. Xu, *et al.*, p. 115.

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For the February 2016 issue, see p. 1 for Table of Contents.  
For the March 2016 issue, see p. 219 for Table of Contents.

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