



UNIVERSITY OF  
NOTRE DAME

RESEARCH

Integrated Imaging Facility

**NOTRE DAME INTEGRATED IMAGING FACILITY AWARD**  
**BEST BIOLOGICAL IMAGING PUBLICATION 2018**

**Super-Resolution Fluorescence Microscopy by Stepwise Optical Saturation,**  
*Biomedical Optics Express*, **2018**, 9 (4): 1613-1629, DOI: 10.1364/BOE.9.001613

**Yide Zhang,<sup>\*1,6</sup> Prakash D. Nallathamby,<sup>2,3,4</sup> Genevieve D. Vigil,<sup>1</sup> Aamir A. Khan,<sup>1</sup> Devon E. Mason,<sup>2,5</sup>  
Joel D. Boerckel,<sup>5</sup> Ryan K. Roeder,<sup>2,3,4</sup> and Scott S. Howard<sup>1,3,4,\*</sup>**

<sup>1</sup>Department of Electrical Engineering, University of Notre Dame, Notre Dame, Indiana 46556

<sup>2</sup>Department of Aerospace and Mechanical Engineering, University of Notre Dame, Notre Dame, IN 46556

<sup>3</sup>Harper Cancer Research Institute, University of Notre Dame, Notre Dame, Indiana 46556

<sup>4</sup>Notre Dame Center for Nanoscience and Nanotechnology (NDnano), University of Notre Dame, Notre Dame, IN 46556

<sup>5</sup>Departments of Orthopaedic Surgery and Bioengineering, University of Pennsylvania, Philadelphia, PA 19104

<sup>6</sup>[yzhang.34@nd.edu](mailto:yzhang.34@nd.edu)

\* [showard@nd.edu](mailto:showard@nd.edu)

\* Denotes Corresponding Author.

