

**Materials List for:**

# Computed Tomography-guided Time-domain Diffuse Fluorescence Tomography in Small Animals for Localization of Cancer Biomarkers

Kenneth M. Tichauer<sup>1</sup>, Robert W. Holt<sup>2</sup>, Kimberley S. Samkoe<sup>3</sup>, Fadi El-Ghussein<sup>1</sup>, Jason R. Gunn<sup>1</sup>, Michael Jermyn<sup>1</sup>, Hamid Dehghani<sup>4</sup>, Frederic Leblond<sup>1</sup>, Brian W. Pogue<sup>1,2</sup>

<sup>1</sup>Thayer School of Engineering, Dartmouth College

<sup>2</sup>Department of Physics and Astronomy, Dartmouth College

<sup>3</sup>Dartmouth Medical School, Dartmouth College

<sup>4</sup>School of Computer Science, University of Birmingham

Correspondence to: Kenneth M. Tichauer at [Kenneth.Tichauer@Dartmouth.edu](mailto:Kenneth.Tichauer@Dartmouth.edu)

URL: <https://www.jove.com/video/4050>

DOI: [doi:10.3791/4050](https://doi.org/10.3791/4050)

## Materials

| Name                                | Company            | Catalog Number | Comments                                            |
|-------------------------------------|--------------------|----------------|-----------------------------------------------------|
| IRDye 800CW-EGF                     | LI-COR Biosciences | 926-08446      |                                                     |
| Alexa Fluor 647, succinimidyl ester | Life Technologies  | A20106         | Reacted with water to minimize non-specific binding |