

## Intravital Imaging of Various Organs in Human Disease Animal Model

### Lung

- I. Park, et. al., *European Respiratory Journal*, 53:1800736 (2019)
- I. Park, et. al., *Biomedical Optics Express*, 9(5):2383-2393 (2018)
- S. Han, et. al., *Science Translational Medicine*, 8(335):335ra55 (2016)

### Liver

- J. Moon, et. al., *Biomed. Optics Express*, 11(9):5132-5146 (2020)
- B. Oh, et. al., *Diabetes*, 67(3):473-485 (2018)
- Y. Hwang, et. al., *Biomed. Optics Express*, 8(10):4706-4716 (2017)
- A. L. van de Ven, et. al., *Journal of Controlled Release*, 158(1):148 (2012)

### Small Intestine

- K. Choe, et. al., *Journal of Clinical Investigation*, 125(11) :4042 (2015)
- J. Ahn, et. al., *Biomedical Optics Express*, 6(10):3963-3972 (2015)

### Colon

- J. W. Choi, P. Kim, et. al., *Theranostics*, 5(7):724-732 (2015)
- J. K. Kim, W. M. Lee, et. al., *Nature Protocols*, 7(8): 1456-1469 (2012)
- P. Kim, E. Chung, et. al., *Nature Methods*, 7(4):303-305 (2010)

### Heart

- K. Jung, P. Kim, et. al., *Circulation Research*, 112(6):891-899 (2013)

### Brain

- J. Lee, et. al., *Biomed. Optics Express*, 11(8):4835-4847 (2020)

### Bone Marrow

- S. Ahn, et. al., *PLoS ONE*, 12(11):e0187660 (2017)

### Pancreas

- I. Park, et. al., *Diabetes & Metabolism Journal*, 44:193-198 (2020)

### Spleen

- H. Choi, et. al., *Science Advances*, 6(15):eaa6980 (2020)

### Prostate

- S. K. Ghosh, et. al., *Cancer Research*, 70(15):6119-6127 (2010)

### Kidney

- E.M. Lee, et. al., *Islets*, 10(1):25-39 (2018)
- Z. Fan, et. al., *Nature Medicine*, 16(6):718-722 (2010)

### Thyroid gland

- J. Y. Jang, et. al., *EMBO Molecular Medicine*, 9:750 (2017)

### Mesentery

- K. Kim, et. al., *Scientific Report*, 6:33804 (2016)

### Lymph Node

- K. Choe, et. al., *Journal of Biomedical Optics*, 18(3):036005 (2013)
- L. Zhi, P. Kim, et. al., *Journal of Immunology*, 187(5):2244-2251 (2011)

### Eye / Retina

- J. Kim, et. al. *Science Advances*, 5(2):eaau6732 (2019)
- S. Ogura, et. al., *JCI Insight*, 2(3):e90905 (2017)
- J. Y. Lee, et. al., *Invest. Ophthalmology & Visual Sci.*, 57(7):3390 (2016)
- J. R. Park, et. al., *Invest. Ophthalmology & Visual Sci.*, 57:OCT331 (2016)
- D-Y. Park, J. Lee, et. al., *Journal of Clinical Investigation*, 124(9):3960 (2014)

### Skin

- J. Ahn, et. al. *Biomedical Optics Express*, 9(8):3974-3982 (2018)
- J.Y. Kim, et. al., *ACS Nano*, 12(7):6904-6916 (2018)
- S. B. Kim, et. al., *J. Cell Biology*, 216(7):2201 (2017)
- Y. Hwang, J. Ahn, et. al., *Optics Express*, 22(10):11465-11475 (2014)
- J. Y. Lee, C. Park, et. al., *Circulation*, 122(14):1413-1425 (2010)
- X. Chen, P. Kim, et. al., *PLoS ONE*, 5, e13776. doi:10.1371 (2010)

### Tumor Model

- J. Xu, et. al., *Small*, 14(50):1803601 (2018)

### Circulating Tumor Cell

- J. W. Choi, et. al, *Cancer Research*, 75(21):4474-4482 (2015)
- H. Seo, et.al., *Biomedical Optics Express*, 6(6):2158-2167 (2015)
- D. Lee, et. al., *Hepatology*, 61(6):1978-1997 (2015)

## Real-time Intravital Imaging

### Microcirculation / Blood Cell Flow

- I. Park, et. al., *European Respiratory Journal*, 53:1800736 (2019)
- I. Park, et. al., *Biomedical Optics Express*, 9(5):2383-2393 (2018)
- Y. Hwang, et. al., *Biomed. Optics Express*, 8(10):4706 (2017)
- J. Y. Jang, et. al., *EMBO Molecular Medicine*, 9:750 (2017)
- S. Han, et. al., *Science Translational Medicine*, 8(335):335ra55 (2016)
- K. Kim, et. al., *Scientific Report*, 6:33804 (2016)
- K. Choe, et. al., *Journal of Clinical Investigation*, 125(11) :4042 (2015)
- H. Seo, et.al., *Biomed. Optics Express*, 6(6):2158 (2015)
- J. W. Choi, et. al, *Cancer Research*, 75(21):4474 (2015)
- J. Ahn, et. al., *Biomed. Optics Express*, 6(10):3963 (2015)
- A. L. van de Ven, et. al., *J. of Controlled Release*, 158(1):148 (2012)

### Drug Delivery / Efficacy Monitoring

- H. Choi, et. al., *Science Advances*, 6(15):eaa6980 (2020)
- I. Park, et. al., *European Respiratory Journal*, 53:1800736 (2019)
- J. Xu, et. al., *Small*, 14(50):1803601 (2018)
- J.Y. Kim, et. al., *ACS Nano*, 12(7):6904-6916 (2018)
- J. Ahn, et. al. *Biomedical Optics Express*, 9(8):3974-3982 (2018)
- K. Choe, et. al., *Journal of Clinical Investigation*, 125(11) :4042 (2015)
- A. L. van de Ven, et. al., *J. of Controlled Release*, 158(1):148 (2012)

### Cell Delivery / Transplantation

- B. Oh, et. al., *Diabetes*, 67(3):473-485 (2018)
- E.M. Lee, et. al., *Islets*, 10(1):25-39 (2018)
- Z. Fan, et. al., *Nature Medicine*, 16(6):718-722 (2010)

## Endomicroscopy

- J. Ahn, et. al., *Biomed. Optics Express*, 10(6):2719 (2019)
- D.Y. Kim, et. al., *Scientific Reports*, 9:3560 (2019)
- J. Ahn, et. al., *Biomed. Optics Express*, 6(10):3963 (2015)
- K. Jung, et. al., *Circulation Res.*, 112(6):891 (2013)
- J. K. Kim, et. al., *Nature Protocols*, 7(8): 1456 (2012)
- P. Kim, et. al., *Nature Methods*, 7(4):303 (2010)
- Z. Fan, et. al., *Nature Medicine*, 16(6):718 (2010)

<https://scholar.google.com/citations?user=RRDHF9oAAAAJ&hl=en>