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- Masters Student in Computational and Mathematical Engineering, admitted Spring 2023
- Masters Student in Computer Science, admitted Autumn 2018

Publications

PUBLICATIONS

- **Optimizing cystoscopy and TURBT: enhanced imaging and artificial intelligence.** *Nature reviews. Urology*
Shkolyar, E., Zhou, S. R., Carlson, C. J., Chang, S., Laurie, M. A., Xing, L., Bowden, A. K., Liao, J. C.
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- **Bladder Cancer and Artificial Intelligence: Emerging Applications.** *The Urologic clinics of North America*
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2024; 51 (1): 63-75
- **Explainable deep learning for tumor dynamic modeling and overall survival prediction using Neural-ODE.** *NPJ systems biology and applications*
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- **Stroma-mediated breast cancer cell proliferation indirectly drives chemoresistance by accelerating tumor recovery between chemotherapy cycles.** *Cancer research*
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- **Efficient Augmented Intelligence Framework for Bladder Lesion Detection.** *JCO clinical cancer informatics*
Eminaga, O., Lee, T. J., Laurie, M., Ge, T. J., La, V., Long, J., Semjonow, A., Bogemann, M., Lau, H., Shkolyar, E., Xing, L., Liao, J. C.
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- **Tumor detection under cystoscopy with transformer-augmented deep learning algorithm.** *Physics in medicine and biology*
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- **PlexusNet: A neural network architectural concept for medical image classification.** *Computers in biology and medicine*
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- **Potential of educational cystoscopy atlas for augmented intelligence**
Eminaga, O., Laurie, M., Lee, T., Jia, X., Liao, J. C.

2023

- **Flat lesion detection of white light cystoscopy with deep learning**

Jia, X., Shkolyar, E., Eminaga, O., Laurie, M., Zhou, Z., Lee, T., Islam, M., Meng, M. Q., Liao, J. C., Xing, L.

2023

- **Sequential modeling for cystoscopic image classification**

Laurie, M., Eminaga, O., Shkolyar, E., Jia, X., Lee, T., Long, J., Islam, M., Lau, H., Xing, L., Liao, J. C.

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- **An Efficient Framework for Video Documentation of Bladder Lesions for Cystoscopy: A Proof-of-Concept Study.** *Journal of medical systems*

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- **Optical biopsy of penile cancer with in vivo confocal laser endomicroscopy.** *Urologic oncology*

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