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Masters Student in Biomedical Informatics, admitted Autumn 2020

Publications

PUBLICATIONS

- **Quantitative imaging feature pipeline: a web-based tool for utilizing, sharing, and building image-processing pipelines.** *Journal of medical imaging (Bellingham, Wash.)*
Mattonen, S. A., Gude, D., Echegaray, S., Bakr, S., Rubin, D. L., Napel, S.
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- **Interreader Variability in Semantic Annotation of Microvascular Invasion in Hepatocellular Carcinoma on Contrast-enhanced Triphasic CT Images.** *Radiology. Imaging cancer*
Bakr, S., Gevaert, O., Patel, B., Kesselman, A., Shah, R., Napel, S., Kothary, N.
2020; 2 (3): e190062
- **Imaging-AMARETTO: An Imaging Genomics Software Tool to Interrogate Multiomics Networks for Relevance to Radiography and Histopathology Imaging Biomarkers of Clinical Outcomes.** *JCO clinical cancer informatics*
Gevaert, O. n., Nabian, M. n., Bakr, S. n., Everaert, C. n., Shinde, J. n., Manukyan, A. n., Liefeld, T. n., Tabor, T. n., Xu, J. n., Lupberger, J. n., Haas, B. J., Baumert, T. F., Hernaez, et al
2020; 4: 421–35
- **[18F] FDG Positron Emission Tomography (PET) Tumor and Penumbra Imaging Features Predict Recurrence in Non-Small Cell Lung Cancer.** *Tomography (Ann Arbor, Mich.)*
Mattonen, S. A., Davidzon, G. A., Bakr, S., Echegaray, S., Leung, A. N., Vasanawala, M., Horng, G., Napel, S., Nair, V. S.
2019; 5 (1): 145–53
- **[18F] FDG Positron Emission Tomography (PET) Tumor and Penumbra Imaging Features Predict Recurrence in Non-Small Cell Lung Cancer TOMOGRAPHY**
Mattonen, S. A., Davidzon, G. A., Bakr, S., Echegaray, S., Leung, A. C., Vasanawala, M., Horng, G., Napel, S., Nair, V. S.
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- **A radiogenomic dataset of non-small cell lung cancer.** *Scientific data*
Bakr, S., Gevaert, O., Echegaray, S., Ayers, K., Zhou, M., Shafiq, M., Zheng, H., Benson, J. A., Zhang, W., Leung, A. N., Kadoch, M., D Hoang, C., Shrager, et al
2018; 5: 180202
- **A radiogenomic dataset of non-small cell lung cancer SCIENTIFIC DATA**
Bakr, S., Gevaert, O., Echegaray, S., Ayers, K., Zhou, M., Shafiq, M., Zheng, H., Benson, J., Zhang, W., Leung, A. C., Kadoch, M., Hoang, C. D., Shrager, et al
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- **Quantitative Image Feature Engine (QIFE): an Open-Source, Modular Engine for 3D Quantitative Feature Extraction from Volumetric Medical Images** *JOURNAL OF DIGITAL IMAGING*
Echegaray, S., Bakr, S., Rubin, D. L., Napel, S.
2018; 31 (4): 403–14
- **GFPT2-Expressing Cancer-Associated Fibroblasts Mediate Metabolic Reprogramming in Human Lung Adenocarcinoma** *CANCER RESEARCH*
Zhang, W., Bouchard, G., Yu, A., Shafiq, M., Jamali, M., Shrager, J. B., Ayers, K., Bakr, S., Gentles, A. J., Diehn, M., Quon, A., West, R. B., Nair, et al
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- **GFPT2-expressing cancer-associated fibroblasts mediate metabolic reprogramming in human lung adenocarcinoma.** *Cancer research*
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- **Quantitative Image Feature Engine (QIFE): an Open-Source, Modular Engine for 3D Quantitative Feature Extraction from Volumetric Medical Images.** *Journal of digital imaging*
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- **Noninvasive radiomics signature based on quantitative analysis of computed tomography images as a surrogate for microvascular invasion in hepatocellular carcinoma: a pilot study.** *Journal of medical imaging (Bellingham, Wash.)*
Bakr, S. n., Echegaray, S. n., Shah, R. n., Kamaya, A. n., Louie, J. n., Napel, S. n., Kothary, N. n., Gevaert, O. n.
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