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### Publications

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#### PUBLICATIONS

- **Correction: Afjei et al. A New Nrf2 Inhibitor Enhances Chemotherapeutic Effects in Glioblastoma Cells Carrying p53 Mutations. *Cancers* 2022, 14, 6120.** *Cancers*  
Afjei, R., Sadeghipour, N., Kumar, S. U., Pandrala, M., Kumar, V., Malhotra, S. V., Massoud, T. F., Paulmurugan, R.  
2025; 17 (14)
- **Labeling of estradiol with a positron plus prompt gamma ray emitting radiometal for multiplexed positron emission tomography (mPET) imaging of breast cancer**  
Cheung, P., Pandrala, M., He, W., Levin, C., Beinat, C.  
SOC NUCLEAR MEDICINE INC.2025
- **Spatial transcriptomic analysis drives PET imaging of tight junction protein expression in pancreatic cancer theranostics. *Nature communications***  
Wang, J., Seo, J. W., Kare, A. J., Schneider, M., Pandrala, M., Tumbale, S. K., Raie, M. N., Engudar, G., Zhang, N., Guo, Y., Zhong, X., Ferreira, S., Wu, et al  
2024; 15 (1): 10751
- **A smart probe for detection of sugar markers for applications in gastrointestinal barrier dysfunction. *Biosensors & bioelectronics***  
Inci, F., Resendez, A., Karaaslan, M. G., Pandrala, M., Kojouri, A. M., Ahmed, R., Ogut, M. G., Singaram, B., Malhotra, S. V., Demirci, U.  
2024; 272: 117040
- **Development and comparison of two novel PET tracers for imaging proinflammatory receptor GPR84 in human cells and tissues**  
Nagy, S., Kalita, M., Jackson, I., Reyes, S., Kuo, R., Malik, N., Pandrala, M., Zhang, B., Marsango, S., Straniero, V., Suigo, L., Valoti, E., Alam, et al  
SOC NUCLEAR MEDICINE INC.2024
- **Illuminating pro-inflammatory myeloid cells in a murine model of multiple sclerosis using a new 18F-labeled GPR84-targeted radiotracer**  
Reyes, S., Kalita, M., Kuo, R., Straniero, V., Marsango, S., Pandrala, M., Malik, N., Jain, P., Suigo, L., Nagy, S., Wu, T., Valoti, E., Milligan, et al  
SOC NUCLEAR MEDICINE INC.2024
- **Inhibition of protein translational machinery in triple-negative breast cancer as a promising therapeutic strategy. *Cell reports. Medicine***  
Dheeraj, A., Garcia Marques, F. J., Tailor, D., Bermudez, A., Resendez, A., Pandrala, M., Grau, B., Kumar, P., Haley, C. B., Honkala, A., Kujur, P., Jeffrey, S. S., Pitteri, et al  
2024: 101552
- **PET Imaging of Innate Immune Activation Using 11C Radiotracers Targeting GPR84. *JACS Au***  
Kalita, M., Park, J. H., Kuo, R. C., Hayee, S., Marsango, S., Straniero, V., Alam, I. S., Rivera-Rodriguez, A., Pandrala, M., Carlson, M. L., Reyes, S. T., Jackson, I. M., Suigo, et al  
2023; 3 (12): 3297-3310
- **Carbon-11 Labelling of Benzenesulfonamide Analogues as Novel Radiotracers to Visualize the Pore-forming Activity of Perforin**  
Zhang, B., Pandrala, M., Shen, B., Beinat, C.  
ELSEVIER SCIENCE INC.2023: S221
- **Development and initial evaluation of a novel 11C-labeled PET tracer to image GPR84 expressing-myeloid cells during neuroinflammation**  
Kalita, M., Park, J., Hayee, S., Marsango, S., Carlson, M., Reyes, S., Nagy, S., Straniero, V., Pandrala, M., Jackson, I., Alam, I., Valoti, E., Milligan, et al

SOC NUCLEAR MEDICINE INC.2023

- **A New Nrf2 Inhibitor Enhances Chemotherapeutic Effects in Glioblastoma Cells Carrying p53 Mutations.** *Cancers*  
Afjei, R., Sadeghipour, N., Kumar, S. U., Pandrala, M., Kumar, V., Malhotra, S. V., Massoud, T. F., Paulmurugan, R.  
2022; 14 (24)
- **Increased macrophage phagocytic activity with TLR9 agonist conjugation of an anti- *Borrelia burgdorferi* monoclonal antibody.** *Clinical immunology (Orlando, Fla.)*  
Jahanbani, S., Hansen, P. S., Blum, L. K., Bastounis, E. E., Ramadoss, N. S., Pandrala, M., Kirschmann, J. M., Blacker, G. S., Love, Z. Z., Weissman, I. L., Nemati, F., Tal, M. C., Robinson, et al  
2022: 109180
- **Designing Novel BCR-ABL Inhibitors for Chronic Myeloid Leukemia with Improved Cardiac Safety.** *Journal of medicinal chemistry*  
Pandrala, M., Bruyneel, A. A., Hnatiuk, A. P., Mercola, M., Malhotra, S. V.  
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- **Reengineering Ponatinib to Minimize Cardiovascular Toxicity** *CANCER RESEARCH*  
Hnatiuk, A. P., Bruyneel, A. A. N., Tailor, D., Pandrala, M., Dheeraj, A., Li, W., Serrano, R., Feyen, D. A. M., Vu, M. M., Amatya, P., Gupta, S., Nakauchi, Y., Morgado, et al  
2022; 82 (15): 2777-2791
- **Inhibition of triple negative breast cancer metastasis via Enolase-1 modulation**  
Tailor, D., Dheeraj, A., Garcia-Marques, F., Pandrala, M., Bermudez, A., Pitteri, S., Malhotra, S. V.  
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- **Reengineering Ponatinib to Minimize Cardiovascular Toxicity.** *Cancer research*  
Hnatiuk, A. P., Bruyneel, A. A., Tailor, D., Pandrala, M., Dheeraj, A., Li, W., Serrano, R., Feyen, D. A., Vu, M. M., Amatya, P., Gupta, S., Nakauchi, Y., Morgado, et al  
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- **New Selective Inhibitors of ERG Positive Prostate Cancer: ERGi-USU-6 Salt Derivatives.** *ACS medicinal chemistry letters*  
Eldhose, B., Pandrala, M., Xavier, C., Mohamed, A. A., Srivastava, S., Sunkara, A. D., Dobi, A., Malhotra, S. V.  
2021; 12 (11): 1703-1709
- **Identifying a novel glycolytic inhibitor for treatment of aggressive prostate cancer.**  
Stoyanova, T., Rice, M. A., Kumar, V., Tailor, D., Garcia-Marques, F., Bermudez, A., Kanchustambham, V., Shankar, V., Inde, Z., Pandrala, M., Nolley, R., Ghoochani, A., Liu, et al  
AMER ASSOC CANCER RESEARCH.2021
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- **Novel CMKLR1 Inhibitors for Application in Demyelinating Disease** *SCIENTIFIC REPORTS*  
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2019; 9 (1): 7178
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  - **Design of deferasirox peptide-conjugated ligands for a selective delivery of anticancer Ti(IV) compounds**  
Fernandez, L., Tinoco, A., Pandrala, M.  
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  - **Novel chalcone derivatives as potential therapeutic agents for triple negative breast cancer**  
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AMER CHEMICAL SOC.2018
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  - **Iridium(III) Complexes Containing 1,10-Phenanthroline and Derivatives: Synthetic, Stereochemical, and Structural Studies, and their Antimicrobial Activity** *AUSTRALIAN JOURNAL OF CHEMISTRY*  
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