

Stanford



Mohammed Inayathullah

Basic Life Research Scientist, Medicine - Med/Pulmonary, Allergy & Critical Care
Medicine

SUPERVISORS

- Jayakumar Rajadas
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Bio

EDUCATION AND CERTIFICATIONS

- Doctor of Philosophy, University of Madras , Chemistry-Bioorganic (2006)
- Master of Science, University of Madras , Chemistry (1999)
- Bachelor of Science, University of Madras , Chemistry (1995)

LINKS

- BioADD Team: <http://bioadd.stanford.edu/people/>
- Biomaterials and Advanced Drug Delivery (BioADD) Lab: <http://bioadd.stanford.edu/>

Professional

WORK EXPERIENCE

- Research Scientist - Stanford University (12/1/2010 - present)
- Postdoctoral Scholar - University of California, Los Angeles (UCLA) (October 2006 - November 2010)
- Ph.D Research Scholar - Bioorganic and Neurochemistry Laboratory, CLRI, CSIR. (2000 - 2006)

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Editorial Board, Novel Approaches in Drug Designing & Development (NAPDD) (2017 - present)
- Editorial Board, American Journal of Advanced Drug Delivery (2016 - present)
- Editorial Board, International Journal of Nanotechnology and Nanomedicine (2016 - present)
- Editorial Board, Radiology Open Journal (2015 - present)
- Editorial Board, SM Journal of Clinical and Medical Imaging (2015 - present)

Publications

PUBLICATIONS

- **Azlocillin can be the potential drug candidate against drug-tolerant *Borrelia burgdorferi sensu stricto* JLB31.** *Scientific reports* Pothineni, V. R., Potula, H. S., Ambati, A., Mallajosyula, V. V., Sridharan, B., Inayathullah, M., Ahmed, M. S., Rajadas, J. 2020; 10 (1): 3798

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- **TOPICAL FOCAL ADHESION KINASE INHIBITOR PROMOTES SKIN REGENERATION AND SCAR PREVENTION IN A PRECLINICAL PORCINE MODEL**
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- **Anti-hyperlipidaemic effects of synthetic analogues of nordihydroguaiaretic acid in dyslipidaemic rats** *BRITISH JOURNAL OF PHARMACOLOGY*
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- **Fidgetin-Like 2 siRNA Enhances the Wound Healing Capability of a Surfactant Polymer Dressing.** *Advances in wound care*
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- **Optimization of transdermal deferoxamine leads to enhanced efficacy in healing skin wounds.** *Journal of controlled release : official journal of the Controlled Release Society*
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2019
- **Characterization of Brain Dysfunction Induced by Bacterial Lipopeptides That Alter Neuronal Activity and Network in Rodent Brains** *JOURNAL OF NEUROSCIENCE*
Kim, K., Zamaleeva, A. I., Lee, Y., Ahmed, M., Kim, E., Lee, H., Pothineni, V., Tao, J., Rhee, S., Jayakumar, M., Inayathullah, M., Sivanesan, S., Red-Horse, et al
2018; 38 (50): 10672–91
- **Controlled Delivery of a Focal Adhesion Kinase Inhibitor Results in Accelerated Wound Closure with Decreased Scar Formation** *JOURNAL OF INVESTIGATIVE DERMATOLOGY*
Ma, K., Kwon, S., Padmanabhan, J., Duscher, D., Trotsyuk, A. A., Dong, Y., Inayathullah, M., Rajadas, J., Gurtner, G. C.
2018; 138 (11): 2452–60
- **Characterization of brain dysfunction induced by bacterial lipopeptides that alter neuronal activity and network in rodent brains.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
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- **Anti-Hyperlipidemic Effects of Synthetic Analogs of Nordihydroguaiaretic acid (NDGA) in Dyslipidemic Rats.** *British journal of pharmacology*
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- **Cytokines as therapeutic agents and targets in heart disease** *CYTOKINE & GROWTH FACTOR REVIEWS*
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- **Deferoxamine Can Prevent Pressure Ulcers and Accelerate Healing in Aged Mice.** *Wound repair and regeneration : official publication of the Wound Healing Society [and] the European Tissue Repair Society*
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- **TOPICAL DELIVERY OF A FOCAL ADHESION KINASE INHIBITOR RESULTS IN ACCELERATED WOUND HEALING WITH REDUCED SCARRING IN A PORCINE WOUND MODEL**
Kwon, S., Ma, K., Duscher, D., Padmanabhan, J., Dong, Y., Inayathullah, M., Rajadas, J., Gurtner, G. C.
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- **Deferoxamine can prevent pressure ulcers and accelerate healing in aged mice** *WOUND REPAIR AND REGENERATION*
Bonham, C. A., Rodrigues, M., Galvez, M., Trotsyuk, A., Stern-Buchbinder, Z., Inayathullah, M., Rajadas, J., Gurtner, G. C.
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- **In vitro and in vivo evaluation of cephalosporins for the treatment of Lyme disease.** *Drug design, development and therapy*
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Hayden, E. Y., Hoi, K. K., Lopez, J., Inayathullah, M., Condron, M. M., Teplow, D. B.
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- **Transdermal deferoxamine prevents pressure-induced diabetic ulcers.** *Proceedings of the National Academy of Sciences of the United States of America*
Duscher, D., Neofytou, E., Wong, V. W., Maan, Z. N., Rennert, R. C., Inayathullah, M., Januszyk, M., Rodrigues, M., Malkovskiy, A. V., Whitmore, A. J., Walmsley, G. G., Galvez, M. G., Whittam, et al
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2015; 1 (1): 12
- **Borreliacidal activity of Borrelia metal transporter A (BmtA) binding small molecules by manganese transport inhibition.** *Drug design, development and therapy*
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- **Anti-hyperlipidemic actions of synthetic nordihydroguaiaretic acid analogs**
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