

Stanford



Harini Iyer

Postdoctoral Scholar, Developmental Biology

Bio

HONORS AND AWARDS

- Tunji Toogun Research Excellence Award, University of Illinois at Urbana-Champaign (2018)
- School of Medicine Dean's Postdoctoral Fellowship, Stanford University (2017-2018)
- Postdoctoral Fellowship, American Heart Association (2018-2020)
- Developmental Project Award, Stanford Alzheimer's Disease Research Center and National Institute on Aging (2021-2023)
- Alzheimer's Disease Research Program Postdoctoral Fellowship, BrightFocus Foundation (2022-2024)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Illinois at Urbana Champaign (2017)

Publications

PUBLICATIONS

- **The lysosomal GPCR-like protein GPR137B regulates Rag and mTORC1 localization and activity.** *Nature cell biology*
Gan, L. n., Seki, A. n., Shen, K. n., Iyer, H. n., Han, K. n., Hayer, A. n., Wollman, R. n., Ge, X. n., Lin, J. R., Dey, G. n., Talbot, W. S., Meyer, T. n.
2019
- **The Lysosomal Transcription Factor TFEB Represses Myelination Downstream of the Rag-Ragulator Complex.** *Developmental cell*
Meireles, A. M., Shen, K., Zoupi, L., Iyer, H., Bouchard, E. L., Williams, A., Talbot, W. S.
2018; 47 (3): 319
- **A premeiotic function for boule in the planarian Schmidtea mediterranea** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Iyer, H., Issigonis, M., Sharma, P. P., Extavour, C. G., Newmark, P. A.
2016; 113 (25): E3509-E3518
- **NF-YB Regulates Spermatogonial Stem Cell Self-Renewal and Proliferation in the Planarian Schmidtea mediterranea** *PLOS GENETICS*
Iyer, H., Collins, J. J., Newmark, P. A.
2016; 12 (6)
- **Stem cell progeny contribute to the schistosome host-parasite interface** *ELIFE*
Collins, J. J., Wendt, G. R., Iyer, H., Newmark, P. A.
2016; 5
- **Structure Guided Lead Generation for M. tuberculosis Thymidylate Kinase (Mtb TMK): Discovery of 3-Cyanopyridone and 1,6-Naphthyridin-2-one as Potent Inhibitors** *JOURNAL OF MEDICINAL CHEMISTRY*
Naik, M., Raichurkar, A., Bandodkar, B. S., Varun, B. V., Bhat, S., Kalkhambkar, R., Murugan, K., Menon, R., Bhat, J., Paul, B., Iyer, H., Hussein, S., Tucker, et al
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- **Bactericidal Activity and Mechanism of Action of AZD5847, a Novel Oxazolidinone for Treatment of Tuberculosis** *ANTIMICROBIAL AGENTS AND CHEMOTHERAPY*
Balasubramanian, V., Solapure, S., Iyer, H., Ghosh, A., Sharma, S., Kaur, P., Deepthi, R., Subbulakshmi, V., Ramya, V., Ramachandran, V., Balganes, M., Wright, L., Melnick, et al
2014; 58 (1): 495-502
- **Adult somatic stem cells in the human parasite *Schistosoma mansoni*** *NATURE*
Collins, J. J., Wang, B., Lambrus, B. G., Tharp, M. E., Iyer, H., Newmark, P. A.
2013; 494 (7438): 476-479
- **Trisubstituted Imidazoles as *Mycobacterium tuberculosis* Glutamine Synthetase Inhibitors** *JOURNAL OF MEDICINAL CHEMISTRY*
Gising, J., Nilsson, M. T., Odell, L. R., Yahiaoui, S., Lindh, M., Iyer, H., Sinha, A. M., Srinivasa, B. R., Larhed, M., Mowbray, S. L., Karlen, A.
2012; 55 (6): 2894-2898
- **Substitution of the phosphonic acid and hydroxamic acid functionalities of the DXR inhibitor FR900098: An attempt to improve the activity against *Mycobacterium tuberculosis*** *BIOORGANIC & MEDICINAL CHEMISTRY LETTERS*
Andaloussi, M., Lindh, M., Bjoerkelid, C., Suresh, S., Wieckowska, A., Iyer, H., Karlen, A., Larhed, M.
2011; 21 (18): 5403-5407
- **Design, Synthesis, and X-ray Crystallographic Studies of alpha-Aryl Substituted Fosmidomycin Analogues as Inhibitors of *Mycobacterium tuberculosis* 1-Deoxy-D-xylulose 5-Phosphate Reductoisomerase** *JOURNAL OF MEDICINAL CHEMISTRY*
Andaloussi, M., Henriksson, L. M., Wieckowska, A., Lindh, M., Bjoerkelid, C., Larsson, A. M., Suresh, S., Iyer, H., Srinivasa, B. R., Bergfors, T., Unge, T., Mowbray, S. L., Larhed, et al
2011; 54 (14): 4964-4976