

Stanford



Shashank Chetty

Postdoctoral Scholar, Radiology

CONTACT INFORMATION

- **Contact**

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Bio

BIO

MCHRI Post-doctoral Fellow

INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

HONORS AND AWARDS

- MCHRI Post-doctoral Fellowship Award, Stanford University (2021)
- International Travel Grant Award, Department of Science and Technology, Science and Engineering Research Board (DST-SERB) (2019)
- Inspire Senior Research Fellowship Award, Department of Science and Technology, Government of India (2018)
- Senior Research Fellow Award, Council of Scientific and Industrial Research (CSIR), Government of India (2017)
- Best Poster Presentation Award, Indian Institute of Science (IISC), Bangalore India (2016)
- Inspire Junior Research Fellowship Award, Department of Science and Technology, Government of India (2016)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Chemical Society (ACS), USA (2019 - present)
- Member, Royal Society of Chemistry (RSC), UK (2019 - present)
- Member, Indian Society for Technical Education (ISTE), India (2008 - 2012)
- Member, International Society of Optics and Photonics (SPIE), USA (2017 - present)
- Member, Materials Research Society (MRS), USA (2019 - present)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Unlisted School (2020)
- Bachelor of Technology, Unlisted School (2013)
- Master of Technology, Unlisted School (2016)
- Doctor of Philosophy, Pondicherry Central University , Nanoscience and Technology (2020)
- Master of Technology, Pondicherry Central University , Nanoscience and Technology (2014)
- Bachelor of Technology, PSG College of Technology, Anna University , Biotechnology (2012)

STANFORD ADVISORS

- Avnesh Thakor, Postdoctoral Faculty Sponsor

LINKS

- My Lab Site: <https://med.stanford.edu/thakorlab/team.html>
- LinkedIn: [https://www.linkedin.com/in/shashankchetty/?lipi=urn%3Ali%3Apage%3Ad_flagship3_feed%3BImWowEjXR%2butEc7wi2OKUg%3D%3D](https://www.linkedin.com/in/shashankchetty/?lipi=urn%3Ali%3Apage%3Ad_flagship3_feed%3BImWowEjXR%2ButEc7wi2OKUg%3D%3D)
- Google Scholar: <https://scholar.google.com/citations?user=Qn7MixUAAAAJ&hl=en&oi=ao>

Publications

PUBLICATIONS

- # Cell and Autophagy: What Do We Know? *Biomolecules*
Mohammadi-Motlagh, H. R., Sadeghalvad, M., Yavari, N., Primavera, R., Soltani, S., Chetty, S., Ganguly, A., Regmi, S., Fløyel, T., Kaur, S., Mirza, A. H., Thakor, A. S., Pociot, et al
2023; 13 (4)
- Integrated transcriptome-proteome analyses of human stem cells reveal source-dependent differences in their regenerative signature. *Stem cell reports*
Ganguly, A., Swaminathan, G., Garcia-Marques, F., Regmi, S., Yarani, R., Primavera, R., Chetty, S., Bermudez, A., Pitteri, S. J., Thakor, A. S.
2022
- Umbilical cord mesenchymal stromal cells-from bench to bedside. *Frontiers in cell and developmental biology*
Chetty, S., Yarani, R., Swaminathan, G., Primavera, R., Regmi, S., Rai, S., Zhong, J., Ganguly, A., Thakor, A. S.
2022; 10: 1006295
- Mesenchymal stromal cells for the treatment of Alzheimer's disease: Strategies and limitations. *Frontiers in molecular neuroscience*
Regmi, S., Liu, D. D., Shen, M., Kevadiya, B. D., Ganguly, A., Primavera, R., Chetty, S., Yarani, R., Thakor, A. S.
2022; 15: 1011225
- Human Umbilical Cord Wharton's Jelly-Derived Mesenchymal Stem Cells Labeled with Mn²⁺ and Gd³⁺ Co-Doped CuInS₂-ZnS Nanocrystals for Multimodality Imaging in a Tumor Mice Model *ACS APPLIED MATERIALS & INTERFACES*
Chetty, S., Praneetha, S., Murugan, A., Govarthanan, K., Verma, R.
2020; 12 (3): 3415–29
- Noninvasive Tracking and Regenerative Capabilities of Transplanted Human Umbilical Cord-Derived Mesenchymal Stem Cells Labeled with I-III-IV Semiconducting Nanocrystals in Liver-Injured Living Mice *ACS APPLIED MATERIALS & INTERFACES*
Chetty, S., Praneetha, S., Govarthanan, K., Verma, R., Murugan, A.
2019; 11 (9): 8763–78
- Microwave-Assisted Synthesis of Quasi-Pyramidal CuInS₂-ZnS Nanocrystals for Enhanced Near-Infrared Targeted Fluorescent Imaging of Subcutaneous Melanoma *ADVANCED BIOSYSTEMS*
Chetty, S., Praneetha, S., Murugan, A., Govarthanan, K., Verma, R. S.
2019; 3 (1): e1800127
- Transition Metal Ion (Mn²⁺, Fe²⁺, Co²⁺, and Ni²⁺)-Doped Carbon Dots Synthesized via Microwave-Assisted Pyrolysis: A Potential Nanoprobe for Magneto-fluorescent Dual-Modality Bioimaging *ACS BIOMATERIALS SCIENCE & ENGINEERING*
Pakkath, S., Chetty, S., Selvarasu, P., Murugan, A., Kumar, Y., Periyasamy, L., Santhakumar, M., Sadras, S., Santhakumar, K.
2018; 4 (7): 2582–96
- Sustainable, Rapid Synthesis of Bright-Luminescent CuInS₂-ZnS Alloyed Nanocrystals: Multistage Nano-xenotoxicity Assessment and Intravital Fluorescence Bioimaging in Zebrafish-Embryos (vol 6, 26078, 2016) *SCIENTIFIC REPORTS*
Chetty, S., Praneetha, S., Basu, S., Sachidanandan, C., Murugan, A.
2016; 6: 28607
- One-pot microwave-assisted in situ reduction of Ag⁺ and Au³⁺ ions by Citrus limon extract and their carbon-dots based nanohybrids: a potential nano-bioprobe for cancer cellular imaging *RSC ADVANCES*
Sajid, P. A., Chetty, S., Praneetha, S., Murugan, A., Kumar, Y., Periyasamy, L.
2016; 6 (105): 103482–90