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, 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%3BlmWowEjXR%2ButEc7wi2OKUg%3D%3D
- Google Scholar: https://scholar.google.com/citations?user=Qn7MixUAAAAJ&hl=en&oi=ao

Publications

PUBLICATIONS

- **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