

Stanford



Bibudha Parasar

Postdoctoral Scholar, Neurobiology

Bio

PROFESSIONAL EDUCATION

- Bachelor of Chemistry, Unlisted School (2015)
- Master of Science, Indian Institute of Science Education and Research (2015)
- Doctor of Philosophy, Cornell University (2021)
- Bachelor of Science, Indian Institute of Science Education and Research (2015)
- Master of Science, Cornell University (2017)
- Doctor of Philosophy, Cornell University, Chemistry and Chemical Biology (2021)
- Dual BS-MS, Indian Institute of Science Education and Research (IISER) - Kolkata, Chemistry (2015)

STANFORD ADVISORS

- Longzhi Tan, Postdoctoral Faculty Sponsor

PATENTS

- Bibudha Parasar, Lin Han, Pamela V Chang. "United States Patent 17/231, 432 Compositions and methods for profiling of gut-microbiota associated bile salt hydrolase (BSH) activity"

Publications

PUBLICATIONS

- **Deconvoluting host-gut microbiota co-metabolism.** *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*
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- **BSH-TRAP: Bile salt hydrolase tagging and retrieval with activity-based probes.** *Methods in enzymology*
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- **Engineered Th17 Cell Differentiation Using a Photoactivatable Immune Modulator** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
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- **Integrated Regulation of HuR by Translation Repression and Protein Degradation Determines Pulsatile Expression of p53 Under DNA Damage** *SCIENCE*
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- Parasar, B., Zhou, H., Xiao, X., Shi, Q., Brito, I. L., Chang, P.
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 - **BSH-TRAP: Bile salt hydrolase tagging and retrieval with activity-based probes** *CHEMICAL MICROBIOLOGY, PT A*
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 - **Transcript degradation and noise of small RNA-controlled genes in a switch activated network in Escherichia coli** *NUCLEIC ACIDS RESEARCH*
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 - **Chiral carbon dots derived from guanosine 5'-monophosphate form supramolecular hydrogels** *CHEMICAL COMMUNICATIONS*
Ghosh, A., Parasar, B., Bhattacharyya, T., Dash, J.
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 - **A copper based catalyst for poly-urethane synthesis from discarded motherboard** *RSC ADVANCES*
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 - **MICRO-OPTOMECHANICAL MOVEMENTS (MOMs) WITH SOFT OXOMETALATES (SOMs): CONTROLLED MOTION OF SINGLE SOFT OXOMETALATE PEAPODS USING EXOTIC OPTICAL POTENTIALS** *JOURNAL OF MOLECULAR AND ENGINEERING MATERIALS*
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 - **Reduction of organic azides to amines using reusable Fe₃O₄ nanoparticles in aqueous medium** *CATALYSIS SCIENCE & TECHNOLOGY*
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