

# Stanford

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## Bibudha Parasar

Postdoctoral Scholar, Neurobiology

### Bio

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#### PROFESSIONAL EDUCATION

- Bachelor of Chemistry, Unlisted School (2015)
- Doctor of Philosophy, Cornell University (2021)
- Master of Science, Indian Institute of Science Education and Research (2015)
- Master of Science, Cornell University (2017)
- Bachelor of Science, Indian Institute of Science Education and Research (2015)
- 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

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#### PUBLICATIONS

- **Lifelong restructuring of 3D genome architecture in cerebellar granule cells.** *Science (New York, N.Y.)*  
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- **Integrated Regulation of HuR by Translation Repression and Protein Degradation Determines Pulsatile Expression of p53 Under DNA Damage** *ISCIENCE*  
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- Parasar, B., Zhou, H., Xiao, X., Shi, Q., Brito, I. L., Chang, P.  
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  - **Deconvoluting host-gut microbiota co-metabolism.** *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*  
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  - **Finding the Sweet Spot for Breast Cancer Detection** *ACS CENTRAL SCIENCE*  
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  - **Microwave assisted cross-coupling reactions using palladium nanoparticles in aqueous media** *SYNTHETIC COMMUNICATIONS*  
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2017; 2 (18): 5032-5037
  - **Transcript degradation and noise of small RNA-controlled genes in a switch activated network in Escherichia coli** *NUCLEIC ACIDS RESEARCH*  
Arbel-Goren, R., Tal, A., Parasar, B., Dym, A., Costantino, N., Munoz-Garcia, J., Court, D. L., Stavans, J.  
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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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