

Faculty CV

Name

Dr. Mrigya Babuta

Designation

Assistant Professor

Email

mrigyababuta@uohyd.ac.in

Phone/mobile number

Lab/Office room number

S-10 & S-11

Profile photo (1 photo upto 10 MB)



Mrigya Headshot...

 Add File

Links of Personal webpage/Google scholar/LinkedIn etc.

<https://scholar.google.com/citations?user=RNpBsc0AAAAJ&hl=en>

Broad areas of research (only keywords)

Liver disease pathogenesis, Extracellular vesicles

Professional Experience

Previous Appointment/s

Postdoctoral fellow, University of Massachusetts Chan Medical School, Worcester, MA, USA

Postdoctoral fellow, Beth Israel Deaconess Medical Center and Harvard Medical School, Boston, MA, USA

Staff Scientist I, Beth Israel Deaconess Medical Center, Boston, MA, USA

Instructor, Harvard Medical School, Boston, MA, USA

Current Appointment

July,2024-till- Assistant Professor in Dept of Animal Biology, School of Life Sciences, University of Hyderabad

Education/Training

Bachelor of science Zoology (Hons)- Ramjas College, University of Delhi, India

Master of science Biotechnology- Maharaja Sayajirao University of Baroda, Gujarat, India

PhD- Jawaharlal Nehru University, Delhi, India

Detailed research interests (Upto 2 paragraphs or 10 bullet points)

Selected publications (upto 5)

1. Babuta M, Morel C, de Carvalho Ribeiro M, Calenda C, Ortega-Ribera M, Thevkar Nagesh P, Copeland C, Zhuang Y, Wang Y, Cho Y, Joshi R, Brezani V, Hawryluk D, Datta AA, Mehta J, Nasser I, Szabo G. Neutrophil extracellular traps activate hepatic stellate cells and monocytes via NLRP3 sensing in alcohol-induced acceleration of MASH fibrosis. *Gut*. 2024 Oct 07; 73(11):1854-1869. PMID: 38777573; PMCID: PMC11458363.
2. Babuta M, Morel C, de Carvalho Ribeiro M, Datta AA, Calenda C, Copeland C, Nasser I, Szabo G. A novel experimental model of MetALD in male mice recapitulates key features of severe alcohol-associated hepatitis. *Hepatol Commun*. 2024 07 01; 8(7). PMID: 38896082; PMCID: PMC11186819.
3. Babuta M, Nagesh PT, Datta AA, Remotti V, Zhuang Y, Mehta J, Lami F, Wang Y, Szabo G. Combined Insults of a MASH Diet and Alcohol Binges Activate Intercellular Communication and Neutrophil Recruitment via the NLRP3-IL-1 β Axis in the Liver. *Cells*. 2024 06 01; 13(11). PMID: 38891092; PMCID: PMC11171595.
4. Babuta M, Szabo G. Extracellular vesicles in inflammation: Focus on the microRNA cargo of EVs in modulation of liver diseases. *J Leukoc Biol*. 2022 01; 111(1):75-92. PMID: 34755380; PMCID: PMC9235439.
5. Babuta M, Furi I, Bala S, Bukong TN, Lowe P, Catalano D, Calenda C, Kodys K, Szabo G. Dysregulated Autophagy and Lysosome Function Are Linked to Exosome Production by Micro-RNA 155 in Alcoholic Liver Disease. *Hepatology*. 2019 12; 70(6):2123-2141. PMID: 31090940; PMCID: PMC7453183.

Selected projects (upto 5)

Selected patents (a paragraph or upto 5 bullet points)

Current PhD scholars and broad research topics

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