Curriculum Vieta

Malladi Navya
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CAREER OBJECTIVE

To be a part of an organization where I can make the best use of my experience, knowledge and skills thus achieving the organization goals as well as my personal goals.

EDUCATION

S.no	Degree	Institute/University	Year of pass	Percentage/CGPA
1.	Ph.D.	NIPER Guwahati	On going	8.33 (CGPA)
2	M.S. (Pharm)	NIPER Guwahati	2021	9.27 (CGPA)
3.	B.Pharmacy	Marri Laxman Reddy institute of pharmacy (JNTU Hyderabad)	2019	75.00%
4.	Intermediate	Sri Gayathri college	2015	91%
5`.	10th	Sri Sai Chaitanya school	2013	8.7

ACADEMIC PROJECTS

- **Ph.D. project**: Understanding the role of paricalcitol in NAFLD and its associated cardiac dysfunction.
- Understanding the liver heart axis in animal models of NAFLD and exploring the effect of empagliflozin on the liver heart axis.
- **M pharm project**: Understanding the Activation of Platelets in Diabetes and Its Modulation by Allyl Methyl Sulfide, an Active Metabolite of Garlic.

ACADEMIC ACHIEVEMENTS

2024	Awarded with **best poster presentation** at YPC 2024
2024	Awarded with **prof. CC Kartha travel grant award** for oral presentation at ISHR 2024
2022	**Won 3rd prize** at NIPER symposium 2022 under beginner category
2021	NIPER Ph.D. JEE, Secured **All India Rank- 1**
2021	**Gold medal** in MS(Pharma), Dept. of Biotechnology
2019	NIPER-JEE, Secured with **All India Rank- 850**
2019	GPAT-2019, Qualified with **All India Rank- 1811**

POSTER AND ORAL PRESENTATIONS

- Title: **Allyl methyl sulfide attenuates platelet activation in type 1 diabetes: Understanding molecular mechanism by metabolomics study**. 3rd National Biomedical Research Competition (NBRCOM) 2021 conducted by the Society of Young Biomedical Scientist on December 10, 2022.
- Title: **Allyl Methyl Sulfide: A Potential Molecule to Modulate Platelet Activation in Type-1 Diabetes by Inhibiting the Metabolism of Arachidonic Acid Pathway.** NIPER Research Symposium conducted by NIPER Kolkata on February 15, 2022
- Title: **Allyl Methyl Sulfide attenuating the Platelet Activation in Type-1 Diabetes by inhibiting the Metabolism of Arachidonic Acid Pathway**. Cardiovascular Research Conclave (CRC) by CSIR-IICB, Kolkata on June 25, 2022

- Title: **Allyl Methyl Sulfide, an Active Metabolite of Garlic Attenuates the Platelet Activation in Type-1 Diabetes by Modulating the Altered Metabolites of Arachidonic Acid Pathway**.The 1st world congress on Controversies in Obesity and Diabetes (CODi) 2022 conducted on October 14th.
- Title: **Allyl Methyl Sulfide: A Potential Molecule to ModulatePlatelet Activation in Type-1 Diabetes by Inhibiting the Metabolism of Arachidonic Acid Pathway**. National Seminar on'Emerging Priorities in Science and Technology with Special Focus on Rural and Green Technology' on 66th ANNUAL TECHNICAL SESSION OF ASSAM SCIENCE SOCIETY organized by B. Borooah College held on March 24, 2022.
- Title: "**Repurposing of paricalcitol to combat cardiac dysfunction and platelet activation in non-alcoholic fatty liver disease**". Young pharmacologist conclave 2024 organised by Indian pharmacological society at royal global university on 9th and 10th of April 2024.
- Title: "**Evaluation of Paricalcitol for potential repurposing against cardiac dysfunction and platelet activation in NAFLD**" at International Society for Heart Research 2024 held at AIIMS Jodhpur on 16th -18th February 2024.

PUBLICATIONS

1. **Malladi N**, Alam MJ, Maulik SK, Banerjee SK. The role of platelets in non-alcoholic fatty liver disease: From pathophysiology to therapeutics. Prostaglandins Other Lipid Mediators. 2023 Jul 20; 169:106766. doi: 10.1016/j.prostaglandins.2023.106766. Epub ahead of print. IF: 2.5
2. **Malladi N**, Johny E, Uppulapu SK, Tiwari V, Alam MJ, Adela R, Banerjee SK. Understanding the Activation of Platelets in Diabetes and Its Modulation by Allyl Methyl Sulfide, an Active Metabolite of Garlic. Journal of Diabetes Research. 2021 Oct 19; 2021:6404438. doi: 10.1155/2021/6404438. IF: 3.6
3. Tiwari V, Alam MJ, Bhatia M, **Navya M**, Banerjee SK. The structure and function of lamin A/C: Special focus on cardiomyopathy and therapeutic interventions. Life Sci. 2024 Mar 15; 341:122489. doi: 10.1016/j.lfs.2024.122489. Epub 2024 Feb 8. PMID: 38340979. IF-5.2
4. **Malladi N**, Lahamge D, Somwanshi BS, Tiwari V, Deshmukh K, Balani JK, Chakraborty S, Alam MJ, Banerjee SK. Paricalcitol attenuates oxidative stress and inflammatory response in the liver of NAFLD rats by regulating FOXO3a and NFκB acetylation. Cell Signal. 2024 Sep; 121:111299. doi: 10.1016/j.cellsig.2024.111299. Epub 2024 Jul 14. PMID: 39004324. IF-4.3
5. Tiwari V, Gupta P, **Malladi N**, Salgar S, Banerjee SK. Doxorubicin induces phosphorylation of lamin A/C and loss of nuclear membrane integrity: A novel mechanism of cardiotoxicity. Free Radic Biol Med. 2024 Jun; 218:94-104. doi: 10.1016/j.freeradbiomed.2024.04.212. Epub 2024 Apr 5. PMID: 38582228. IF-7.1
6. Tariq, U., Sarkar, S., **Malladi, N**. *et al.* Correction: Knockdown of *SCN5A* alters metabolic-associated genes and aggravates hypertrophy in the cardiomyoblast. *Mol Biol Rep* **51**, 852 (2024). IF-2.6

SKILLS AND ABILITIES

- **Animal handling** and route of administration, development of cardiometabolic disease models.
- **Instrumentation:** Photoacoustic and Ultrasound imaging of animals, electrocardiography analysis of small animals**,** Confocal Microscope, Flow cytometer, Spectrophotometer, Auto analyze.
- **Molecular Biology Techniques:** Electrophoresis – SDS-PAGE, Western Blotting, Molecular cloning, DNA and RNA Aptamer selection,Isolation of DNA, RNA and Plasmid and Real-Time PCR.
- ***Invitro* Assays:** Establishment & Maintenance of cell culture facility, Routine cell culture techniques**,** cryopreservation**,** media preparation etc.
- **Data Analysis:** Working knowledge of scientific software (e.g., ImageJ, Graphpad Prism, metaboanalyst) typographic software (e.g., MS office, EndNote, and Zotero-Reference manager).
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REFERENCES

1. **Dr. USN Murty,**
   Director,
   NIPER -Guwahati,
   Mobile number: 9127060998
   Email: murtyusn@gmail.com
   director@niperguwahati.ac.in

2. **Dr.Sanjay K Banerjee,**
   (PhD Supervisor)
   Associate Professor,
   Department of Biotechnology,
   NIPER-Guwahati.
   Contact no:7042354595

   Email: sanjay@niperguwahati.in

DECLARATION

I hereby declare that all the information provided by me in this application is factual and correct to the best of my knowledge and belief.

Ms. Malladi Navya