

Dr. Hemachandra Reddy is a distinguished figure in Alzheimer's disease research, known for his prolific publications and innovative contributions. His groundbreaking work has significantly advanced our understanding of the disease, earning him recognition and respect in the scientific community. Beyond his research, Dr Reddy is a dedicated mentor. He actively supports and guides young scientists, fostering a collaborative and nurturing lab environment. His commitment to helping others publish their research highlights his belief in the power of shared knowledge. Under his leadership, the lab has become a hub for high-impact research, regularly producing findings featured in top-tier journals.

He exemplifies excellence and compassion in his field, making a profound impact on Alzheimer's disease research and inspiring many.

Priyanka Rawat

Graduate Student - TTU

"As a postdoc in Dr. Reddy's lab at TTUHSC, my experience has been incredibly rewarding. The lab's collaborative environment and Dr. Reddy's exceptional mentorship have significantly advanced my professional growth. He provides comprehensive guidance, from lab techniques to scientific communication, and always offers constructive feedback. The lab is well-equipped with state-of-the-art facilities, enabling high-quality research. Dr. Reddy's support and encouragement for independent projects have been crucial. He has also been instrumental in helping us publish our work, always pushing us in a positive direction. This experience has profoundly impacted my career, equipping me with invaluable skills and opening numerous future opportunities. Dr. Reddy's extensive network within the scientific community has furthered my career advancement."

Upasana Mukherjee, Ph.D.

"As an academician and researcher, I am immensely indebted to Dr. P. Hemachandra Reddy for his outstanding mentorship and unwavering support throughout my journey in the dynamic realm of neuroscience and aging research. Dr. Reddy, a distinguished tenured professor and vice chair at Texas Tech University Health Sciences Center, has been a pillar of innovation and dedication, profoundly influencing my career and scholarly endeavors in India.

Our collaborative work, particularly our joint publication "Is Alzheimer's disease a type 3 diabetes? A critical appraisal," which has garnered 625 citations, highlights the invaluable guidance provided by Dr. Reddy. His support has been instrumental in enhancing my scholarly profile to achieve an H-index of 44 with 8,000 citations. Dr. Reddy's encouragement was crucial as I published significant papers in journals such as *Free Radical Biology and Medicine* and *Ageing Research Reviews* upon my return to India. He also inspired me to contribute original articles and review papers to prestigious publications including *Drug Discovery Today*, *JAMA Neurology*, *Alzheimer's and Dementia*, *Asian Journal of Pharmaceutical Sciences*, *Journal of Molecular Liquids*, *ACS Nano*, *Journal of Controlled Release*, *JAMA*, *Autoimmunity Reviews*, *FEBS*, and *Journal of Medical Virology*.

Dr. Reddy's mentorship also influenced me to serve as a guest editor for *Frontiers in Aging Neuroscience* and as an associate editor for *Brain Research*. His extensive knowledge in mitochondrial biology and neurodegenerative diseases has not only propelled the field forward but also assisted me in securing prestigious projects from the Government of India and coveted academic positions. His commitment to excellence is apparent in his prolific publication record, his leadership roles, and his ongoing dedication to nurturing future scientists. His contributions to developing innovative therapeutic strategies and diagnostic tools for neurodegenerative diseases underscore his commitment to bridging the gap between academia and industry. Furthermore, his encouragement has led me to serve as a grant reviewer for government research initiatives in the UK and Israel, focusing on Drp1 and Alzheimer's research.

It is truly an honor to collaborate with Dr. Reddy, whose visionary leadership and profound scientific insight continue to inspire and drive our collective efforts to address the challenges of neurodegenerative diseases. His mentorship and collaboration have been instrumental in shaping my career as an esteemed academician and researcher in India.”

Dr. Ramesh Kandimalla

Associate Professor,

Department of Biochemistry,

Kakatiya Medical College/MGM-Hospital

“I had the privilege of joining Dr. Reddy's Lab in 2016 as a Raman Postdoctoral Fellow for a period of one year. During this time, I focused on research related to mitochondria in health and disease, specifically in the context of type 2 diabetes. The experience I gained in Dr. Reddy's Lab was nothing short of extraordinary. Dr. Reddy's boundless energy and unwavering dedication to research are truly inspirational. His lab is a hub of high-quality research work, characterized by meticulous attention to detail and a relentless pursuit of excellence. Dr. Reddy's commitment to scientific inquiry and his ability to instantly share and refine research ideas make him an exceptional mentor and collaborator. One of the most remarkable aspects of working in Dr. Reddy's Lab was witnessing his dedication to grant writing and securing funding for cutting-edge research projects. His strategic approach and tireless efforts in this area significantly contribute to the lab's success and its ability to undertake pioneering studies. Dr. Reddy is not only an outstanding scientist but also a gem of a person. His belief in serving humanity and his unwavering faith in a higher power guide his work and interactions with others. His compassionate nature and commitment to the greater good are evident in everything he does. He is a person who is an inspiration for me, and I follow him closely. Overall, my time in Dr. Reddy's Lab was an enriching and fulfilling experience. I am deeply grateful for the opportunity to have worked with such a dedicated and inspiring scientist, and I look forward to seeing the continued impact of his contributions to the field of mitochondrial research and beyond.”

Prof. Jasvinder Singh Bhatti

Professor of Molecular Medicine

Department of Human Genetics and Molecular Medicine

Central University of Punjab Bathinda India

“I have found a fantastic environment at the Reddy Lab. Having supportive leadership like Dr. Reddy can and does make all the difference in feeling motivated and successful in my work. TTUHSC values its employees and fosters a positive work culture. My research will continue to thrive under such supportive guidance. “

Malcolm Brownell, PHD

“During my time in Dr. Reddy's medical research lab at Texas Tech University Health Sciences Center, I had the privilege of working under an exceptional leader and mentor. Dr. Reddy's commitment to fostering academic excellence and intellectual curiosity created an environment where students like me were encouraged to develop our own ideas and pursue innovative research. His lab was well-equipped, meticulously organized, and conducive to high-level scientific inquiry. Dr. Reddy is utterly dedicated to his students' professional development and never fails to provide comprehensive mentorship, clear communication, and consistent support. His guidance and passion for advising students has had a profound and lasting impact on my growth as a medical student and future physician.”

Colby Wood, School of Medicine, Class of 2026

“Dr. Reddy is such a supportive mentor. He always takes the time to meet with his students and prioritizes their growth and success as does everyone in the lab. I am so grateful to be part of such an amazing and collaborative lab!”

Sachi Khemka

“Dr. Hemachandra Reddy is the epitome of a supportive mentor. As a first-year medical student, I stumbled into the world of research unsure of where to start. Dr. Reddy welcomed me with open arms, guiding me through every step of the process with kindness and expertise. Under his mentorship, I achieved my first publication, a milestone I once thought was out of reach. Dr. Reddy's selflessness knows no bounds; he consistently goes above and beyond to ensure his students succeed, never withholding any knowledge or opportunity that could benefit us.

Dr. Reddy's passion for research and dedication to his students are truly inspiring. It's an honor to work alongside him, and I look forward to continuing this journey under his guidance. I wholeheartedly recommend Dr. Hemachandra Reddy to anyone seeking a mentor who not only teaches but also empowers.”

Maamoon Mian

MS1 | TTUHSC School of Medicine

“Working as a postdoctoral researcher at Dr. Reddy's Lab has been an incredibly enriching experience for me. Under the mentorship of Dr. Reddy himself, I have found myself blessed with opportunities for professional growth and personal development that I could have never imagined elsewhere.

Dr. Reddy's mentorship style is marked by a rare blend of encouragement, freedom, and support. From the outset, he provided me with the liberty to explore and express my ideas, fostering an environment where creativity flourishes. It is under his guidance that I discovered and honed my writing skills, particularly in the domain of Healthy Aging and addressing caregivers' concerns. His unwavering belief in my abilities empowered me to delve deeper into these topics, contributing meaningfully to the field.

What sets Dr. Reddy apart is his inclusivity and openness to diverse research interests. Despite my project not directly aligning with his primary research area, he welcomed it with open arms, offering valuable insights and guidance every step of the way. This attitude of support extends beyond just me; Dr. Reddy readily assists medical students, undergraduates, and graduate students alike in their research endeavors, emphasizing collaboration and knowledge-sharing above all else.

Being a mentee of Dr. Reddy has not only enhanced my academic prowess but has also instilled in me a deep sense of gratitude and admiration. His selfless dedication to nurturing talent and fostering a culture of excellence is truly commendable. I am proud to be a part of Dr. Reddy's Lab and immensely thankful for the opportunities he has provided me to grow and thrive professionally.”

Ujala Sehar, PhD

“It is a great pleasure to write for Dr P. Hemachandra Reddy for his work on mitochondria, amyloid beta, and phosphorylated tau in Alzheimer's disease. The quality and depth of his work, which is largely mechanistic and focused on cell and mouse disease modelling, is both compelling and undeniably pioneering. His work has provided field-stimulating insight into the role of mitochondria in neurodegenerative diseases and provided insight into synaptic integrity and loss of integrity. His body of work has already inspired many students, scholars, and colleagues in the Alzheimer's disease field. His Alzheimer's disease research is highly cited. I would also note Dr. Reddy is pioneer in invoking a role for mitophagy in Alzheimer's disease, which is quickly developing into an extremely hot area of Alzheimer's disease research.”

Russell Swerdlow, MD

Gene and Marge Sweeney Professor

Professor of Neurology, Cell Biology & Physiology, Biochemistry & Molecular Biology

Director, University of Kansas Alzheimer's Disease Research Center

Director, KUMC Neurodegenerative Disorders Program

Director, Heartland Center for Mitochondrial Medicine

I am incredibly grateful to have had the opportunity to work under the guidance of Dr. Hemachandra Reddy during my time as a volunteer research assistant in his lab. Despite his demanding schedule, Dr. Reddy always made time to listen attentively to my ideas and provide valuable guidance for my thesis project.

Dr. Reddy's dedication to his students is truly inspiring. Not only is he a brilliant scientist, but he is also a compassionate and supportive mentor. He consistently encouraged me to push myself and strive for excellence in my research endeavors.

One of the things I admire most about Dr. Reddy is his commitment to fostering a culture of collaboration and creativity in the lab. He always encouraged open discussion and welcomed input from everyone on the team, regardless of their level of experience.

Under Dr. Reddy's mentorship, I learned not only about the intricacies of scientific research but also about the importance of perseverance and determination in the face of challenges. He instilled in me a passion for writing manuscripts and communicating our findings to the broader scientific community.

Overall, I feel incredibly fortunate to have had Dr. Hemachandra Reddy as my supervisor. His guidance, support, and encouragement have been instrumental in shaping my academic and professional journey, and I am truly grateful for the opportunity to learn from such an excellent mentor.

Anika Bushra
Graduate Student (Nutritional Sciences)-TTU

In the eleven months I've spent as a research aide in Dr. Reddy's lab, I've come to appreciate the privileged opportunities it provides for research endeavors. Here, the lab brings not just new experiences but also ample opportunities to contribute to scholarly publications. Dr. Reddy's unwavering encouragement and support for both research and innovative writing are truly exceptional, fostering an atmosphere where creativity thrives. These experiences are not only enriching my present but also paving the way for the realization of my future aspirations. The overall atmosphere here is incredibly friendly and conducive to work. I feel so happy to be a part of such a welcoming environment.

Sultana
Research Aide, MS-TTUHSC

I am delighted to be a part of Dr. Reddy's lab and have him as my mentor, whose guidance and support have been invaluable throughout my academic journey here at Texas Tech University Health Science Center, Lubbock. Dr. Reddy's kind-hearted nature and unwavering support have not only fostered a nurturing environment but have also instilled a sense of confidence and determination within me.

As a mentor, he exemplifies the epitome of dedication and hard work. His commitment to excellence is evident in every aspect of their work, from their meticulous research methodologies to their relentless pursuit of success. Together, we have had the privilege of publishing two high-impact articles within 6-months period, a testament to exceptional research acumen and leadership skills.

One of the most remarkable about Dr. Reddy is his ability to promote new research ideas and foster innovation within our team. His willingness to explore unconventional avenues and push the boundaries of traditional thinking has been instrumental in driving our research forward.

Moreover, Dr. Reddy possesses an unparalleled depth of knowledge and expertise in his field, making him an invaluable resource for anyone seeking guidance in the pursuit of good science. His insights and guidance have not only enriched my understanding of complex concepts but have also inspired me to strive for excellence in all my endeavors.

In summary, I am incredibly grateful to have Dr. Reddy as my mentor. His unwavering commitment to success has had a profound impact on my academic and professional development, and I am confident that his mentorship will continue to inspire and empower future generations of researchers.

Ariful Islam, PhD

Working under the guidance of Dr. Reddy has been an invaluable experience that has significantly shaped my research journey. Since joining his lab in July 2020, Dr. Reddy has consistently exhibited exceptional mentorship qualities and unwavering support for the advancement of my research career.

Dr. Reddy's dedication to fostering a conducive research environment is evident in his commitment to providing guidance, encouragement, and resources necessary for our success. His depth of knowledge, coupled with his willingness to share insights and expertise, has not only expanded my understanding of our field but has also inspired me to reach greater heights in my academic pursuits. Beyond his academic prowess, Dr. Reddy's approachability and openness to ideas create a collaborative atmosphere where every lab member feels valued and empowered to contribute. His ability to listen attentively, offer constructive feedback, and nurture individual strengths has undoubtedly contributed to the success of our research endeavors.

I am grateful for the opportunity to work alongside Dr. Reddy, whose mentorship has not only enriched my professional growth but has also instilled in me a deep sense of confidence and enthusiasm for tackling scientific challenges. It is an honor to recommend Dr. Reddy as a mentor of the highest caliber, whose dedication and support have been instrumental in shaping the researchers of tomorrow.

Dr. Sudhir Kshirsagar
Research Associate-TTUHSC

I am pleased to provide this testimonial for Dr. P. Heamachandra Reddy. Throughout my research journey, he has consistently demonstrated exceptional leadership, expertise, and dedication in overseeing our research project. His profound understanding of the subject matter, coupled with his strong organizational skills, has been instrumental in the success of our endeavors.

Dr. Reddy exhibits a remarkable ability to manage complex research initiatives, navigate challenges effectively, and foster a collaborative environment among team members. He has a keen eye for detail, ensuring that every aspect of the project is meticulously planned and executed to achieve the desired outcomes.

Furthermore, Dr. Reddy professionalism, integrity, and commitment to excellence serve as a shining example to all who have the privilege of working alongside them. Their leadership has not only propelled our research projects forward but has also contributed to the advancement of the entire field.

In summary, I wholeheartedly endorse Dr. Reddy as a Principal Investigator (mentor) of the highest caliber. Their remarkable accomplishments, combined with their exceptional leadership qualities, make them a truly invaluable asset to any research endeavor.

Dr. Pradeepkiran Jangampalli Adi
Research Assistant Professor

It has been a great privilege to work under the mentorship of Dr. P. Hemachandra Reddy, Professor in the Internal Medicine Department at Texas Tech University Health Sciences Center, Lubbock. Dr. Reddy is not only an outstanding scientist but also an exceptional mentor. I joined Dr. Reddy's lab as a postdoctoral fellow in 2015, and from the beginning, he has been incredibly supportive, caring, humble, and kind.

Dr. Reddy assigned me a new and interesting research project on 'MicroRNA and Alzheimer's disease.' Under his guidance, I made significant progress in my postdoctoral research, leading to the publication of several original research articles, review articles, book chapters, and a US patent. Our research progress also harvested significant grant funding from the NIH to continue our work in Dr. Reddy's lab. Furthermore, under his mentorship, I secured independent grant funding from the NIH and eventually attained a tenure track faculty position at TTUHSC El Paso.

Dr. Reddy's lab is highly productive, having trained many accomplished researchers who have gone on to become the next generation of scientists, researchers, and clinicians. I deeply appreciate his novel ideas, hard work, positive mindset, and continuous encouragement. I consider myself fortunate to have had the opportunity to work with him. When I joined his lab, I had much to learn, but in 5-6 years, he completely shaped my future. My current achievements are largely due to his mentorship, guidance, unconditional support, and kindness.

Dr. Reddy taught me many professional skills, from significant concepts to the smallest details. He has always been there for me, like a guiding figure or God father, in every situation. The

knowledge, skills, mindset, and critical thinking I learned from him are now crucial to my own research. I am forever grateful for his ongoing support in my career.

Thank you so much, Dr. Reddy, for everything. Words are not enough to express my gratitude for all you have done for me.

Subodh Kumar, Ph.D.
Assistant Professor,
Center of Emphasis in Neuroscience,
Department of Molecular and Translational Medicine,
Texas Tech University Health Sciences Center El Paso

I joined Dr. Reddy's lab as a postdoctoral research associate in 2015, and from day one, I experienced his intense mentorship and guidance. Dr. Reddy consistently provided the freedom to pursue scientific inquiries and encouraged me to apply for fellowship grants, fostering my independence as a researcher. Initially, my work focused on miRNA regulation in stroke, but with Dr. Reddy's support and guidance, I expanded my research into the mitochondrial biology of Alzheimer's disease (AD). Dr. Reddy is not only supportive but also readily offers professional assistance, always willing to lend a hand when needed. Under his mentorship, I have grown into a strong scientist with expertise in both Alzheimer's disease and stroke. His mentorship has been instrumental in my development, and I am deeply grateful for his unwavering support and guidance throughout my journey.

Murali Vijayan, PhD
Research Assistant Professor-TTUHSC