

## Chandresh Gajera

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### Bio

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#### EDUCATION AND CERTIFICATIONS

- Ph.D, Max-Delbruck Center (MDC) for Molecular Medicine and Humboldt University, Berlin, Germany , Neuroscience / Molecular Biology
- M.Tech, Indian Institute of Technology (IIT), Kanpur, India , Biological Sciences and Bio-engineering
- B.Pharm, L. M. College of Pharmacy Gujarat University, Ahmedabad, India , Pharmacy

### Publications

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#### PUBLICATIONS

- **Mass Synaptometry: Applying Mass Cytometry to Single Synapse Analysis.** *Methods in molecular biology (Clifton, N.J.)*  
Gajera, C. R., Fernandez, R., Postupna, N., Montine, K. S., Keene, C. D., Bendall, S. C., Montine, T. J.  
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- **Discovery of G2019S-Selective Leucine Rich Repeat Protein Kinase 2 inhibitors with invivo efficacy.** *European journal of medicinal chemistry*  
Lesniak, R. K., Nichols, R. J., Schonemann, M., Zhao, J., Gajera, C. R., Fitch, W. L., Lam, G., Nguyen, K. C., Smith, M., Montine, T. J.  
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- **Single-synapse analyses of Alzheimer's disease implicate pathologic tau, DJ1, CD47, and ApoE.** *Science advances*  
Phongpreecha, T., Gajera, C. R., Liu, C. C., Vijayaragavan, K., Chang, A. L., Becker, M., Fallahzadeh, R., Fernandez, R., Postupna, N., Sherfield, E., Tebaykin, D., Latimer, C., Shively, et al  
1800; 7 (51): eabk0473
- **GATM and GAMT synthesize creatine locally throughout the mammalian body and within oligodendrocytes of the brain.** *Brain research*  
Baker, S. A., Gajera, C. R., Wawro, A. M., Corces, M. R., Montine, T. J.  
2021: 147627
- **Enantiomers of 2-methylglutamate and 2-methylglutamine selectively impact mouse brain metabolism and behavior.** *Scientific reports*  
Wawro, A. M., Gajera, C. R., Baker, S. A., Lesniak, R. K., Fischer, C. R., Saw, N. L., Shamloo, M., Montine, T. J.  
2021; 11 (1): 8138
- **Mass-tag barcoding for multiplexed analysis of human synaptosomes and other anuclear events.** *Cytometry. Part A : the journal of the International Society for Analytical Cytology*  
Gajera, C. R., Fernandez, R., Montine, K. S., Fox, E. J., Mrdjen, D., Postupna, N. O., Keene, C. D., Bendall, S. C., Montine, T. J.  
2021
- **Creatine transport and pathological changes in creatine transporter deficient mice.** *Journal of inherited metabolic disease*  
Wawro, A. M., Gajera, C. R., Baker, S. A., Nirschl, J. J., Vogel, H. n., Montine, T. J.  
2021
- **Enantiomers of 4-aminopentanoic acid act as false GABAergic neurotransmitters and impact mouse behavior.** *Journal of neurochemistry*  
Wawro, A. M., Gajera, C. R., Baker, S. A., Lesniak, R. K., Montine, K. S., Fischer, C. R., Saw, N. L., Shamloo, M., Montine, T. J.  
2021
- **Single-cell peripheral immunoprofiling of Alzheimer's and Parkinson's diseases.** *Science advances*  
Phongpreecha, T., Fernandez, R., Mrdjen, D., Culos, A., Gajera, C. R., Wawro, A. M., Stanley, N., Gaudilliere, B., Poston, K. L., Aghaeepour, N., Montine, T. J.  
2020; 6 (48)

- **Mass synaptometry: High-dimensional multi parametric assay for single synapses** *JOURNAL OF NEUROSCIENCE METHODS*  
Gajera, C. R., Fernandez, R., Postupna, N., Montine, K. S., Fox, E. J., Tebaykin, D., Angelo, M., Bendall, S. C., Keene, C., Montine, T. J.  
2019; 312: 73–83
- **An Activity Switch in Human Telomerase Based on RNA Conformation and Shaped by TCAB1.** *Cell*  
Chen, L. n., Roake, C. M., Freund, A. n., Batista, P. J., Tian, S. n., Yin, Y. A., Gajera, C. R., Lin, S. n., Lee, B. n., Pech, M. F., Venteicher, A. S., Das, R. n., Chang, et al  
2018
- **Distributed hepatocytes expressing telomerase repopulate the liver in homeostasis and injury.** *Nature*  
Lin, S. n., Nascimento, E. M., Gajera, C. R., Chen, L. n., Neuhöfer, P. n., Garbuzov, A. n., Wang, S. n., Artandi, S. E.  
2018
- **LRP2 in SHH-dependent adult neurogenesis**  
Bunatyan, L., Christ, A., Gajera, C., Hammes-Lewin, A., Willnow, T.  
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- **Loss of Lrp2 in Zebrafish Disrupts Pronephric Tubular Clearance But Not Forebrain Development** *DEVELOPMENTAL DYNAMICS*  
Kur, E., Christa, A., Veth, K. N., Gajera, C. R., Andrade-Navarro, M. A., Zhang, J., Willer, J. R., Gregg, R. G., Abdelilah-Seyfried, S., Bachmann, S., Link, B. A., Hammes, A., Willnow, et al  
2011; 240 (6): 1567-1577
- **LRP2 in ependymal cells regulates BMP signaling in the adult neurogenic niche** *JOURNAL OF CELL SCIENCE*  
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2010; 123 (11): 1922–30