

Subashchandraboze CHINNATHAMBI

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<https://sites.google.com/view/sbclab/members>

<https://nimhans.ac.in/neurochemistry/neurochemistry-faculty/>



Current Appointment:

Additional Professor	Department of Neurochemistry National Institute of Mental Health and Neuro Sciences (NIMHANS), Bangalore, India	2023-Present
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Previous Appointments:

Principal Scientist	Division of Biochemical Sciences	2020-2023
Associate Professor AcSIR	National Chemical Laboratory (CSIR NCL), Pune, India	(Merit Promotion)
Senior Scientist	Division of Biochemical Sciences	2017-2020
Assistant Professor AcSIR	National Chemical Laboratory (CSIR NCL), Pune, India	
Scientist	Division of Biochemical Sciences	2013-2017
Assistant Professor AcSIR	National Chemical Laboratory (CSIR NCL), Pune, India	
Post Doctoral Fellow	Centre For Neurodegenerative Disease (DZNE), Bonn, Germany	2011-2013
Project Assistant (DBT)	Department of Biochemistry, Indian Institute of Science, Bangalore	2004-2007

Education:

Ph.D.	Max Planck Institute for Structural & Molecular Biology Hamburg Out Station, Hamburg, Germany	2011
MSc	Bharathidasan University, Trichy, India	2004
BSc	University of Madras, India	2002

Honors/Achievements

- **EMBO Travel grant, Visualising the complex dynamics of biological membranes, Tel Aviv University, Israel, 2023.**
- **EMBO Travel grant, Neural development and neurodegeneration, Taiwan, 2022.**
- **EMBO Best Poster with cash prize, Neural development and neurodegeneration, 2022.**
- **Cold Spring Harbor Laboratory; Virtual conference; NEURODEGENERATIVE DISEASES: BIOLOGY & THERAPEUTICS, 2022.**
- **EMBO Poster, Inositol lipids: Signaling platforms for organizing cellular architecture and physiology, 2022.**
- **NCL-CSIR: Research Foundation “Scientist of the Year 2021” with citation and cash prize, 2021.**
- **NCL-CSIR: Research Foundation Outstanding research contribution to “Tau protein in Alzheimer’s Disease” award sponsored by Dr. RA Mashelkar Endowment Fund, 2021.**
- **NCL Research Foundation: Best Paper published in 2021; Traffic Cover Art and Cell Communication and Signaling.**
- **EMBO Best poster, Rockefeller University, Virtual conference: Journal of Cell Biology (JCB) and Journal of Experimental Medicine (JEM) Symposium on Neurodegeneration, 2021.**
- **NCL Research Foundation: Best Paper published in 2020; Oncotarget and Cell Adhesion & Migration.**
- **NCL Research Foundation: Best Paper published in 2019; Cellular & Molecular Life Sciences, Cover Art and Cell Communication and Signaling.**
- **EMBO, Indo-French International Conference on Cytoskeleton Research, 2016**
- **DST - SERB Young Investigator Fellow, June 2014 – May 2017**
- **Max Planck Travel Grant, 2015**
- **Max Planck post-doctoral fellowship and grant, Germany, June 2011 – July 2013. For post-doctoral fellowship**
- **Recipient of Magna cum laude (with high academic distinction award), Max Planck and University of Hamburg – Germany. Ph.D., Sep 2011.**
- **Max-Planck research fellow for Ph.D., Germany, April 2007 – June 2011. Pre-doctoral fellowship.**
- **Max-Planck research fellow for Ph.D., Germany. For Best Pre-doctoral Fellow**
- **Seetharaman award Bharathidasan University, Trichy, Tamilnadu. Topper in M.Sc., Microbiology, July 2004**
- **Perumbulavar Dr. Nainar Mohamed Award –Bharathidasan University, Trichy, Tamilnadu, India**
- **Topper in M.Sc., Microbiology, July 2004**

Subashchandraboze Chinnathambi

- **Secured the First rank in the B.Sc., Microbiology**, July 2002, University of Madras, Chennai, India

Scientific interests

Physiopathology of neurodegenerative disorders, Tau-Cytoskeleton, Tau-GPCR, Purinergic and chemokine receptors, Tau-stem cell, Animal models, Neuropharmacology, Translational research

Editorial boards and Expertise

Editorial Board, Frontiers in Molecular Neuroscience,

Editorial Board, Frontiers of Neuroscience, Frontiers of Aging Neuroscience

Associate Editor Journal of Alzheimer's Disease

Review Editor for Frontiers in Neurology, Neuroscience and Psychiatry (Neurodegeneration)

Review Editor for Frontiers in Molecular Neuroscience

Guest Editor, Special Issue, Frontiers in Pharmacology « Novel Immunotherapeutic and Alternate Treatment Strategies for Alzheimer's disease

Guest Editor, Reviewing (main journals in Neuroscience, Cell biology and bio-physics grants)

PhD thesis reviewer (France, Australia, Canada and Qatar)

Grant Reviewer (MPG grant, Germany, Alzheimer's Society of UK, National grant France, National grant Belgium and etc.)

Professional Affiliations

Government of India: DBT-Neuroscience Task force member (2017-2020)

Indian Academy of Neurosciences (IAN), Member

Max Planck Society (MPS) – Germany, Member

European Society for Neurochemistry (FENS)

Electron Microscopy Society (EMSI), Member

Max Planck Society Alumni – Germany, Member

Society for Biological Chemistry (SBC) – India, Member

Indian Science Congress (ISC) – India, Member

Professional Association with Industry

Bioethical committee member at Gennova Bio, Pune

Biosafety committee member at Gennova Bio, Pune

Advisory Board Member, Clarity Biotech Start-up, Mysore

Public and Scientific Out Reach Talk at Syngene, Biocon, Bangalore

Carl-Zeiss Microscopy Special talk, Bangalore

PhD Guidance: *{PhD Guided: 07, PhD Guiding: 06, BS-MS Guided:04, Masters Guided: 32, M. Tech and Master Guiding: 01}*

Thesis Completed

1. **Nalini Gorantla:** Unravelling Tau aggregation using small molecules by augmenting heat shock protein response, AcSIR R. No.: 10BB14J26019, 2020.
2. **Shweta Sonawane:** Small molecules abet neuronal cytoskeleton integrity and attenuate pathological Tau aggregation and glycation, AcSIR R. No.: 10BB14J26024, 2020.
3. **Abhishek Balmik:** Histone Deacetylase-6 ZnF UBP as a regulator of stability of Tau and neuronal functions. AcSIR. No: 10BB15J26039, 2020.
4. **Tushar Dubey:** Natural compounds and photo-excited dyes attenuates Tau aggregation and restores signalling cascades of Tau in Alzheimer's Disease. AcSIR. No: 10BB15A26043, 2021.
5. **Rashmi Das:** Purinergic receptor P2Y12 involves in full-length Tau oligomers-induced microglial chemotaxis, phagocytosis and endocytic trafficking via filopodia-associated actin remodelling. AcSIR. No: 10BB17A26053, 2022.
6. **Hariharakrishnan Chidamabram:** Misfolded Tau protein augments microglial activation and phagocytosis by signalling through the chemokine receptor CX3CR1. AcSIR. No: 10BB18A26032, 2022.
7. **Smita Desale:** α -linolenic acid augment Tau phagocytosis and endosomal degradation via actin remodeling and microglial migration. AcSIR. No: No: 10BB18A26031, 2022.

PUBLICATIONS

Total Published – 89 (Total impact factor= 440.67): *Published Corresponding author: 80 (Total impact factor=320.92)

*Corresponding author, under revision – 5: *Corresponding author, Submitted – 7.

Total citation: 2096: h- index: 24; i10-index-46 <https://scholar.google.co.in/citations?user=EXvCT4YAAAAJ&hl=en>

Key papers:

Journal of Neuroinflammation (IF: 9.69); *European Journal of Cell Biology* (IF: 6.56); *Cellular and Molecular Life Sciences (Cover art)* (IF: 10.06); *Traffic (Cover Art)* (IF: 6.32), Editor Choice; *Cell & Bioscience* (IF: 9.69); *Neuroscience (Cover art)*, (IF: 3.76); *Cell Communication & Signaling* (IF: 7.96); *American Society for Neurochemistry (ASN), Neuro* (IF: 5.24); *Journal of Alzheimer's Disease (JAD)* (IF: 4.94); *Molecular & Cellular Neurobiology* (IF: 5.56); *ACS Biochemistry* (IF: 3.52)(Cover Art); *Cell Adhesion & Migration* (IF: 5.52); *Scientific Reports* (IF: 4.99); *International Journal of Biological Macromolecules*, (IF: 8.06); *Oncotarget* (IF: 6.59)

Patents (from CSIR-NCL)

1. Patent no 187337037.4 110. US and European patent. Molecular complexes for Effective Inhibition of Tau Aggregation. **Subashchandraboise Chinnathambi***, **Balaraman Ekambaram***, Nalini G Vijay and Siba Maity.
2. Patent no 18761690.2.117. Curcumin conjugated silver nanoclusters as an anti-Tau Aggregation agent in Alzheimer's disease. **Subashchandraboise Chinnathambi***, Nalini G Vijay, Pankaj Poddar and Puneet Khandelwal.
3. Inhibition and dissolution of Tau Aggregation by Intermediate and Final Limonoids. **Subashchandraboise Chinnathambi***, **Thulasiram HV***, Nalini G Vijay and Fiyaz Mohamed (Application number INV-2017-0034/2017033088953).
4. EGCG control the Tau glycation in a concentration dependent manner in Alzheimer's disease. **Subashchandraboise Chinnathambi*** and Shweta K Sonawane (Application number INV-2017-0055/2017034589034).
5. Baicalein Inhibits Tau aggregation by Inducing and Sequestering Oligomerization. **Subashchandraboise Chinnathambi*** Shweta K Sonawane, and Abhishek A Balmik (Application number INV-2017-NF0111).

Published as a Additional Professor, Department of Neurochemistry, NIMHANS, Bangalore (February 2013 to till date)

1. Mahima Kapoor and **Subashchandraboise Chinnathambi***. TGF- β 1 signalling in Alzheimer's pathology cytoskeletal reorganization: A specialized Tau perspective. *Journal of Neuroinflammation*, 2022. **IF: 9.96.**
2. **Subashchandraboise Chinnathambi***, Rashmi Das and Smita Eknath Desale. Tau aggregates induced microglial podosome and filopodial formation in microglia. *Molecular Cellular Research*, 2023. **IF: 5.29.**
3. Dubey Tushar, Shweta Kishor Sonawane, Mannava MKC, Nangia AK, Madhura Chandrashekar and **Subashchandraboise Chinnathambi***. The Curcumin-Artemisinin co-amorphous inhibits Tau aggregation and rescues Tau toxicity. *Colloids Surf B Biointerfaces*, 2023 Oct 26;221:112970, **IF: 6.16. (Cover Illustration. The article selected as an editor's choice).**
4. Tushar Dubey, Preeti Kushwaha, H. V. Thulasiram, Madhura Chandrashekar, **Subashchandraboise Chinnathambi***. Tau aggregation and Tau toxicity modulated by Ayurvedic extract of Brahmi. *International Journal of Biological Macromolecules*, 2023. **IF: 8.05.**

Under revision

5. **Subashchandraboise Chinnathambi*** and Nalini Vijay Gorantla. How the secondary metabolites modulates Tau aggregation in neuronal cells. *Cellular Molecular Neurobiology*, 2022, **IF: 5.05.**
6. **Subashchandraboise Chinnathambi*** and Rashmi Das. Microglial chemotaxis is facilitated by Tau-induced actin remodeling and P2Y₁₂R-mediated podosome formation. *Cell & Bioscience*, 2022, **IF: 9.92.**
7. Smita Eknath Desale and **Subashchandraboise Chinnathambi***. ALA induced podosome formation for microglial migration in Tauopathies. *Cellular and Molecular Life Sciences*, 2022, **IF: 10.26.**
8. Hariharakrishnan Chidambaram and **Subashchandraboise Chinnathambi***. LC-3 associated phagocytosis is involved in the internalization and degradation of extracellular Tau species by microglia. *Traffic*, 2022. **IF: 6.68.**

Under review

9. Tazeen Qureshi and **Subashchandraboise Chinnathambi***. Histone Deacetylase-6 modulates Tau Function in Alzheimer's Disease. *Cellular and Molecular Life Sciences*, 2022, **IF: 10.26.**
10. Smita Eknath Desale and **Subashchandraboise Chinnathambi***. Microtubule-dependent polarization and migration of microglia conserved by α -linolenic acid and extracellular Tau-mediated stimulation. *Cell Communication and Signaling*, 2022, **IF: 7.95.**
11. Dubey Tushar, Madhura Chandrashekar and **Subashchandraboise Chinnathambi***. Heat stress modulates the GSK-3 β levels and Tau Phosphorylation. *Colloids Surf B Biointerfaces*, 2022 **IF: 6.16.**

Published as a Principal Investigator_NCL, Pune (August 2013 to January 2023)

12. Hariharakrishnan Chidambaram, Rashmi Das and **Subashchandraboise Chinnathambi***. G-protein coupled purinergic P2Y12 receptor interacts and internalizes Tau RD-mediated by membrane-associated actin cytoskeleton remodeling in microglia. *European Journal of Cell Biology*, 2022. **IF: 6.19.**
13. **Subashchandraboise Chinnathambi***. Autophagy Clearance of Pathological Tau Protein by LAMP-2A: A Hypothesis. *Cellular and Molecular Neurobiology*. 2022 **IF: 5.05.**
14. **Subashchandraboise Chinnathambi*** and Nalini Vijay Gorantla. Therapeutic role of small molecules attenuating aggregation of Tau. *Molecular Neurobiology*, 2022, **IF: 5.59.**
15. **Subashchandraboise Chinnathambi*** Shweta Kishor Sonawane, Tushar Dubey and Madhura Chandrashekar. Dual modification of Tau by pseudophosphorylation and glycation does not enhance amorphous aggregation *Cellular Physiology and Biochemistry*, 2022 (Under Proof), **IF: 5.68**
16. Tushar Dubey, Madhura Chandrashekar and **Subashchandraboise Chinnathambi***. Photo-excited Toluidine Blue disaggregates the Repeat Tau and modulates cytoskeletal structure in neuronal cells. *Cellular Physiology and Biochemistry*, 2022 (Under Proof), **IF: 5.68**
17. Dubey Tushar, Shweta Kishor Sonawane, Mannava MKC, Nangia AK, Madhura Chandrashekar and **Subashchandraboise Chinnathambi ***. Curcumin-Pyrogallol Co-crystal modulates Tau Aggregation Inhibition and reduces its Phosphorylation. *Cellular Physiology and Biochemistry*, 2022 (Accepted), **IF: 5.68**
18. Tushar Dubey, Preethi Kushawa, H. V. Thulasiram, Madhura Chandrashekar and **Subashchandraboise Chinnathambi***. Bacopa monnieri reduces Tau aggregation and Tau-mediated toxicity in cells. *International Journal of Biological Macromolecules*, 2022,. **IF: 8.05.**
19. Tazeen Qureshi and **Subashchandraboise Chinnathambi***. Histone deacetylase-6 modulates Tau function in Alzheimer's disease. *Molecular Cellular Research*, 2022. **IF: 5.29.**
20. Abhishek Ankur Balmik and **Subashchandraboise Chinnathambi***. Inter-relationship of Histone Deacetylase-6 with cytoskeletal organization and remodeling. *European Journal of Cell Biology*, 2022. **IF: 6.19.**
21. Hariharakrishnan Chidambaram and **Subashchandraboise Chinnathambi***. Interaction of Tau with G-protein Coupled Purinergic P2Y12 receptor by Molecular Docking and Molecular Dynamic Simulation. *Tau Protein. 2nd Edition, Methods in Molecular Biology*, Humana Press, New York, NY, 2022.
22. Smita Eknath Desale, Hariharakrishnan Chidambaram and **Subashchandraboise Chinnathambi***. Biochemical and biophysical characterization of Tau and α -linolenic acid vesicles in in vitro. *Tau Protein*, pp. 21-31. *Methods in Molecular Biology*, Humana Press, New York, NY, 2012.
23. Hariharakrishnan Chidambaram, Smita Eknath Desale, and **Subashchandraboise Chinnathambi***. Purinergic receptor P2Y12- mediated Tau internalization in microglia. *Tau Protein. Methods in Molecular Biology*, Humana Press, New York, NY, 2022.
24. Smita Eknath Desale, Hariharakrishnan Chidambaram and **Subashchandraboise Chinnathambi***. α -Linolenic acid induces microglial activation and extracellular Tau internalization. *Tau Protein*, pp. 21-31. *Methods in Molecular Biology*, Humana Press, New York, NY, 2022.
25. Tushar Dubey and **Subashchandraboise Chinnathambi***. Photo-excited dyes: emerging technique against Tau protein aggregation. *Tau Protein*, pp. 21-31. *Methods in Molecular Biology*, Humana Press, New York, NY, 2022.
26. Abhishek Ankur Balmik[#], Shweta Kishor Sonawane[#] and **Subashchandraboise Chinnathambi***. Modulation of Actin network and Tau phosphorylation by HDAC6 ZnF UBP domain. *Cell Communication & Signaling*, 2021. **IF: 7.95.**
27. Rashmi Das and **Subashchandraboise Chinnathambi***. Microglial remodeling of actin network for G protein-coupled Purinergic receptor, P2RY12-mediated chemotaxis by Tau oligomers. *Traffic*, 2021. **IF: 6.48 (Cover Illustration. The article selected as an editor's choice).**
28. Abhishek Ankur Balmik and **Subashchandraboise Chinnathambi***. Inter-relationship of Histone Deacetylase-6 with cytoskeletal organization and remodeling. *European Journal of Cell Biology*, 2021. **IF: 4.69.**
29. Sonawane SK and **Subashchandraboise Chinnathambi***. A green tea polyphenol Epigallocatechin-3-gallate modulates Tau Post-translational modifications and cytoskeletal network. *Oncotarget*, 2021. **IF: 6.36.**
30. Sonawane SK, Uversky VN and **Subashchandraboise Chinnathambi***. Baicalein inhibits heparin-induced Tau aggregation by initializing Tau oligomer formation in vitro. *Cell Communication & Signaling*, 2021. **IF: 7.95.**
31. Smita Eknath Desale, **Subashchandraboise Chinnathambi***. α -Linoleic acid induces clearance of Tau seeds via actin remodeling in Microglia. *Molecular Biomedicine*, 2021.
32. Tushar Dubey and **Subashchandraboise Chinnathambi***. Photodynamic Sensitizers modulates cytoskeleton structural dynamics in cells. *Cytoskeleton*, 2021. **IF: 3.97.**
33. Sonawane SK, Gorantla NV, Dangi A, Marelli UK, **Subashchandraboise Chinnathambi***. Polyamines inhibit Tau aggregation in vitro and influence the cell death pathway in neuronal cells. *Scientific Reports*, 2021. **IF: 4.88.**

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34. Smita Eknath Desale, **Subashchandraboese Chinnathambi***. Phosphoinositides Signaling Modulates Microglial Phagocytosis in Alzheimer's disease. *Cell Communication & Signaling*, 2021. **IF: 7.95.**
35. Abhishek Ankur Balmik and **Subashchandraboese Chinnathambi***. Methylation as a key regulator of Tau aggregation and neuronal health in Alzheimer's disease. *Cell Communication & Signaling*, 2021. **IF: 7.95.**
36. Smita Eknath Desale@, Hariharakrishnan Chidambaram@ and **Subashchandraboese Chinnathambi***. G-protein coupled receptor, PI3K and Rho Signaling pathways regulate the cascades of Tau and Amyloid- β in Alzheimer's disease. *Molecular Biomedicine*, 2021.
37. Abhishek A Balmik, Rashmi Das, Shweta K Sonawane and **Subashchandraboese Chinnathambi***. Soluble aggregation species of A β and Tau and their role in Alzheimer's disease, *Royal Chemical Society, Drug Discovery*, 2021.
38. Shweta K Sonawane, Abhishek A Balmik and **Subashchandraboese Chinnathambi***. Tau and Alzheimer's disease, *Royal Chemical Society, Drug Discovery*, 2021.
39. Tushar Dubey, Preeti Kushwaha, H. V. Thulasiram, **Subashchandraboese Chinnathambi***. Tau phosphorylation and nuclear transport impairment modulated by Brahmi. *Molecular Neurobiology*, 2021. **IF: 4.58.**
40. **Subashchandraboese Chinnathambi*** and Nalini Vijay Gorantla. Therapeutic role of small molecules attenuating aggregation of Tau Implications of Valosin-containing protein in promoting autophagy to prevent Tau aggregation in Alzheimer's disease. *Neuroscience*, 2021, **IF: 3.96.**
41. Pramod G. Nagaraju, P Sindhu, Tushar Dubey, **Subashchandraboese Chinnathambi**, Pooja J Rao, Poornima Priyadarshini C G*. Influence of protein, polysaccharide and Maillard conjugate on the stability, *in vitro* release, anti-oxidant property and cell viability of eugenol-olive oil nanoemulsions. *International Journal of Biological Macromolecules*, June 1, 152; 171-179, 2020. **IF: 8.05.**
42. Shweta Kishor Sonawane and **Subashchandraboese Chinnathambi***. EGCG modulates nuclear formaldehyde-induced Tau phosphorylation in neuronal cells. *International Journal of Biological Macromolecules*, 2020,. **IF: 8.05.**
43. Abhishek Ankur Balmik, Hariharakrishnan, Abha Dangi, Udayakiran Marelli and **Subashchandraboese Chinnathambi***. HDAC6 ZnF UBP as the modifier of Tau structure and function. *ACS Biochemistry*, 2020. **IF: 3.28.**
44. Rashmi Das, Abhishek Ankur Balmik, and **Subashchandraboese Chinnathambi***. "Phagocytosis of full-length Tau oligomers by Actin-remodeling of activated microglia." *Journal of Neuroinflammation* 17, no. 1 (2020): 1-15. **IF: 9.65.**
45. Smita Eknath Desale, **Subashchandraboese Chinnathambi***. Role of dietary fatty acids in Microglial Polarization in Alzheimer's disease. *Journal of Neuroinflammation*. Mar 24; 17(1): 93. **IF: 9.65.**
46. Smita Eknath Desale, **Subashchandraboese Chinnathambi***. α -Linoleic acid modulates Tau aggregation and conformation in Alzheimers disease. *International Journal of Biological Macromolecules*, **IF: 8.05.**
47. Smita Eknath Desale, **Subashchandraboese Chinnathambi***. α - Linolenic acid modulates phagocytosis and endosomal pathways of extracellular Tau in microglia. *Cell Adhesion & Migration* **IF: 5.32.**
48. Hariharakrishnan Chidambaram and **Subashchandraboese Chinnathambi***. Chemokine receptor, CX3CR1 interaction and signalling in neuronal and microglial cells during Tauopathy. *Cell & Bioscience*, 2020. **IF: 9.39.**
49. Das, R. and **Subashchandraboese Chinnathambi***. Actin-mediated Microglial Chemotaxis via G-Protein Coupled Purinergic Receptor in Alzheimer's Disease. *Neuroscience*, Accepted. **IF: 3.76.**
50. Hariharakrishnan Chidambaram and **Subashchandraboese Chinnathambi***. Role of Cysteine's in accelerating Tau filament formation. *Journal of Biomolecular Structure & Dynamics*, 2020. **IF: 4.86.**
51. Gorantla NV, Das R, Chidambaram H, Dubey T, Mulani FA, Thulasiram HV, **Subashchandraboese Chinnathambi***. Basic Limonoid modulates Chaperone-mediated Proteostasis and dissolve Tau fibrils, *Scientific Reports*, Mar 4;10(1):4023. 2020. **IF: 4.8288.**
52. Shweta Kishor Sonawane and **Subashchandraboese Chinnathambi***. P301L, FTDP-17 mutant exhibits enhanced glycation *in vitro*. *Journal of Alzheimer's Disease*, vol. 75, no. 1, pp. 61-71 (2020). **IF: 4.72.**
53. Shweta Kishor Sonawane, Boral D, Gorantla NV, Balmik AA, Chidambaram H, Dangi A, Ramasamy S, Marelli UK, **Subashchandraboese Chinnathambi***. EGCG impedes human Tau aggregation and interacts with Tau, *Scientific Reports*, 2020. **IF: 4.88.**
54. Dubey T, Gorantla NV, Chandrasekhara K T, **Subashchandraboese Chinnathambi***. Photodynamic exposure of Rose-Bengal inhibits Tau aggregation and modulates Cytoskeletal network in neuronal cells, *Scientific Reports*, 2020. **IF: 4.88.**
55. Abhishek Ankur Balmik, Rashmi Das, Abha Dangi, Nalini Vijay Gorantla, Udaya Kiran Marelli, and **Subashchandraboese Chinnathambi***. "Melatonin interacts with repeat domain of Tau to mediate disaggregation of paired helical filaments." *Biochimica et Biophysica Acta (BBA)-General Subjects*, 1864 (3), 29467, 2020. **IF: 5.63.**
56. Hariharakrishnan Chidambaram and **Subashchandraboese Chinnathambi***. G-Protein Coupled Receptors (GPCRs) and Tau-Different roles in Alzheimer's Disease. *Neuroscience*, 1; 438:198-214, 2020, **[Cover page illustration]**. **IF: 3.76.**

57. Rashmi Das, Abhishek Ankur Balmik and **Subashchandraboise Chinnathambi***. Melatonin mediates anti-inflammatory microglial phenotypes and reduces Tau phosphorylation via Nrf2 activation. *ASN-Neuro (American Society of Neurochemistry)*, 2020. **IF: 5.20.**
58. Rashmi Das, Abhishek Ankur Balmik and **Subashchandraboise Chinnathambi***. Effect of Melatonin on Tau aggregation and Tau-mediated cell surface morphology. *International Journal of Biological Macromolecules*, June 1, 152; 30-39, 2020, **IF: 8.05.**
59. Abha Dangi, Abhishek Ankur Balmik, Archana Ghorpade, **Subashchandraboise Chinnathambi***, Udaya Kiran Marelli*. Residue based propensity of aggregation in Tau amyloidogenic hexapeptides AcPHF6* (²⁷⁵VQIINK²⁸⁰) and AcPHF6 (³⁰⁶VQIVYK³¹¹). *RSC Advances*, **IF: 4.36.**
60. Gorantla NV, Balaraman E, **Subashchandraboise Chinnathambi***. Cobalt-based metal complexes prevent Repeat Tau aggregation and nontoxic to neuronal cells. *International Journal of Biological Macromolecules*, June 1, 152; 171-179, 2020. **IF: 8.05.**
61. Nalini Vijay Gorantla, Sunny LP, Rajasekhar K, Nagaraju PG, Priyadarshini CGP, Govindaraju T, **Subashchandraboise Chinnathambi***. Amyloid- β -derived Peptidomimetics inhibits Tau aggregation, *ACS Omega*, 2020. Accepted, **[Cover page illustration], IF: 4.36.**
62. Madhura Chandrashekar and **Subashchandraboise Chinnathambi***. Protein Misfolding and Aggregation in Neurodegenerative Disease. *Advances in Bioengineering*, Springer, 2020.
63. Shwetha Nanjundaiah, Hariharakrishnan Chidambaram, Madhura Chandrashekar, **Subashchandraboise Chinnathambi***. Understanding the role of microglia in modulating cholesterol and Tau pathology. *Cellular and Molecular Neurobiology*, doi: 10.1007/s10571-020-00883-6. **IF: 3.89.**
64. Gorantla, NV and **Subashchandraboise Chinnathambi*** (2020). Autophagic pathways to clear the Tau aggregates in Alzheimer's disease. *Cellular and Molecular Neurobiology*, doi: 10.1007/s10571-020-00897-0. **IF: 5.09.**
65. Rashmi Das and **Subashchandraboise Chinnathambi***. "Microglial priming of antigen presentation and adaptive stimulation in Alzheimer's disease." *Cellular and Molecular Life Sciences*, (2019): 1-14. **[Cover page illustration], IF: 9.26.**
66. Nalini Vijay Gorantla, Rashmi Das, Fayaj A. Mulani, Hirekodathakallu V. Thulasiram*, and **Subashchandraboise Chinnathambi***. "Neem derivatives inhibits tau aggregation." *Journal of Alzheimer's disease reports*, 3, no. 1 (2019): 169-178. **IF: 3.9.**
67. Shweta Kishor Sonawane, Absar Ahmad, and **Subashchandraboise Chinnathambi***. "Protein-capped metal nanoparticles inhibit tau aggregation in Alzheimer's disease." *ACS omega*, 4.7 (2019): 12833-12840. **IF: 4.36.**
68. Shweta Kishor Sonawane*, Abhishek Ankur Balmik*, Debjyoti Boral, Sureshkumar Ramasamy, and **Subashchandraboise Chinnathambi***. "Baicalein suppresses Repeat Tau fibrillization by sequestering oligomers. *Archives of Biochemistry and Biophysics*, 675 (2019): 108119. **IF: 4.15.**
69. Tushar Dubey and **Subashchandraboise Chinnathambi***. "Brahmi (Bacopa monnieri): An ayurvedic herb against the Alzheimer's disease" *Archives of Biochemistry and Biophysics*, (2019): 108153. **IF: 4.15.**
70. Gorantla, Nalini Vijay, Vinod G. Landge, Pramod Gudigenahally Nagaraju, Poornima Priyadarshini CG, Ekambaram Balaraman and **Subashchandraboise Chinnathambi***. "Molecular cobalt (II) complexes for Tau polymerization in Alzheimer's disease." *ACS omega*, 4, no. 16 (2019): 16702-16714. **IF: 4.36.**
71. Tushar Dubey, Nalini Vijay Gorantla, Kagepura Thammaiah Chandrashekar, and **Subashchandraboise Chinnathambi***. "Photoexcited Toluidine Blue Inhibits Tau Aggregation in Alzheimer's Disease." *ACS omega*, 4, no. 20 (2019): 18793-18802. **[Cover page illustration], IF: 4.36.**
72. Nalini Vijay Gorantla, Rashmi Das, Ekambaram Balaraman and **Subashchandraboise Chinnathambi***. "Transition metal nickel prevents Tau aggregation in Alzheimer's disease." *International Journal of Biological Macromolecules* (2019). **IF: 8.05.**
73. Gorantla, Nalini Vijay, Alexander V. Shkumatov, and **Subashchandraboise Chinnathambi***. "Conformational dynamics of intracellular tau protein revealed by CD and SAXS." *Tau Protein. Methods in Molecular Biology*, Humana Press, New York, NY, 2017. 3-20.
74. Nalini Vijay Gorantla, Puneet Khandelwal, Pankaj Poddar, and **Subashchandraboise Chinnathambi***. "Global conformation of tau protein mapped by Raman spectroscopy." In *Tau Protein*, pp. 21-31. *Methods in Molecular Biology*, Humana Press, New York, NY, 2017.
75. Abhishek Ankur Balmik, and **Subashchandraboise Chinnathambi***. "Multi-faceted role of melatonin in neuroprotection and amelioration of Tau aggregates in Alzheimer's disease." *Journal of Alzheimer's Disease*, 62.4 (2018): 1481-1493. **IF: 4.56.**
76. Nalini Vijay Gorantla, and **Subashchandraboise Chinnathambi***. "Tau protein squired by molecular chaperones during Alzheimer's disease." *Journal of Molecular Neuroscience*, 66.3 (2018): 356-368. **IF: 3.54.**
77. Shweta Kishor Sonawane, and **Subashchandraboise Chinnathambi***. "Prion-like propagation of post-translationally modified Tau in Alzheimer's disease: a hypothesis." *Journal of Molecular Neuroscience*, 65.4 (2018): 490-499. **IF: 3.54.**

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78. Kedar B, Rashmi N, Rubina S, Gouri P, Shanmugam D and **Subashchandraboise Chinnathambi** and Mahesh J Kulkarni. Investigation of Phosphoproteome in AGE-RAGE signaling; *Proteomics*: 2015; 15 (2-3): 245-59. **IF: 5.68.**

Published in PhD and Post-doctoral period (April 2007 to July 2013)

79. Sadasivam Jeganathan*, **Subashchandraboise Chinnathambi** *, Mandelkow Eva, and Mandelkow, E., (2012). Conformations of Microtubule-Associated Protein Tau mapped by fluorescence resonance energy transfer (FRET). *Methods in Molecular biology (Amyloid Proteins)*, 2012; 849: 85 - 99. **(*Equal first author).**
80. Evidence for a role of the rare p. A152T variant in MAPT in increasing the risk for FTD-spectrum and Alzheimer's disease (2012). Giovanni Coppola*, **Subashchandraboise Chinnathambi** *, et al., *Human Molecular Genetics (HMG)*; 2012 Aug 1; 21(15): 3500-12. **(*Equal first author). IF: 5.68.**
81. Shkumatov, A.V*, **Subashchandraboise Chinnathambi** *, Mandelkow, E., and Svergun, D.I. (2011). Structural memory of natively unfolded Tau protein detected by Small-angle X-ray scattering. *Proteins* 79:2122–2131. **(*Equal first author). IF: 2.65.**
82. Venita Daebel, **Subashchandraboise**[#] **Chinnathambi**, Jacek Biernat, Antoine, Christian Griesinger, Eckhard Mandelkow, and Adam Lange (2012). β - Sheet core of tau paired helical filaments revealed by solid-state NMR. *Journal of American Chemical Society (JACS)*; 134 (34), 13982-9. **IF: 14.69.**
83. Stefan Bibow, Marco D M, **Subashchandraboise Chinnathambi**, Jacek Biernat, Christian Griesinger, Eckhard Mandelkow, Markus Zweckstetter (2011). The Dynamic Structure of Filamentous Tau. *Angewandte Chemistry, International Edition*, 50, 11520-11524. **IF: 13.19.**
84. Wegmann, S., Jung, Y.J., **Subashchandraboise Chinnathambi**[#], Mandelkow, E.M., Mandelkow, E., and Muller, D.J. (2010). Human Tau isoforms assemble into ribbon-like fibrils that display polymorphic structure and stability. *Journal of Biological Chemistry* 285, 27302-27313, (Cover Page Illustration). **IF: 4.16.**
85. Jeganathan, S., **Chinnathambi Subashchandraboise**, Biernat, J., Mandelkow, E.M., and Mandelkow, E. (2008). Proline-directed pseudo-phosphorylation at AT8 and PHF1 epitopes induces a compaction of the paperclip folding of Tau and generates a pathological (MC-1) conformation. *Journal of Biological Chemistry* 283, 32066-32076. **IF: 4.16.**
86. Pappachan, A., **Subashchandraboise Chinnathambi**[#], Satheshkumar, P.S., Savithri, H.S., and Murthy, M.R (2008). Structure of recombinant capsids formed by the beta-annulus deletion mutant rCP (Delta48-59) of Sesbania mosaic virus. *Virology* 375, 190-196. (Cover Page Illustration). **IF: 2.91.**
87. Pappachan, A., **Subashchandraboise Chinnathambi**[#], Satheshkumar, P.S., Savithri, H.S., and Murthy, M.R. (2009). A single point mutation disrupts the capsid assembly in Sesbania Mosaic Virus resulting in a stable isolated dimer. *Virology* 392, 215-221, (Cover Page Illustration). **IF: 2.91.**

List of cover pages

- Hariharakrishnan Chidambaram and **Subashchandraboise Chinnathambi***. G-Protein Coupled Receptors (GPCRs) and Tau- Different roles in Alzheimer's Disease. *Neuroscience*, 2020, [Cover page illustration]. **IF: 3.26.**
- Nalini Vijay Gorantla, Sunny LP, Rajasekhar K, Nagaraju PG, Priyadarshini CGP, Govindaraju T, **Subashchandraboise Chinnathambi***. Amyloid- β -derived Peptidomimetics inhibits Tau aggregation, *ACS Omega*, 2020. Accepted, [Cover page illustration], **IF: 2.6.**
- Rashmi Das and **Subashchandraboise Chinnathambi***. "Microglial priming of antigen presentation and adaptive stimulation in Alzheimer's disease." *Cellular and Molecular Life Sciences*, (2019): 1-14. [Cover page illustration], **IF: 7.21.**
- Tushar Dubey, Nalini Vijay Gorantla, Kagepura Thammaiah Chandrashekara, and **Subashchandraboise Chinnathambi***. "Photoexcited Toluidine Blue Inhibits Tau Aggregation in Alzheimer's Disease." *ACS omega*, 4, no. 20 (2019): 18793-18802. [Cover page illustration], **IF: 2.6.**
- Wegmann, S., Jung, Y.J., **Subashchandraboise Chinnathambi**[#], Mandelkow, E.M., Mandelkow, E., and Muller, D.J. (2010). Human Tau isoforms assemble into ribbon-like fibrils that display polymorphic structure and stability. *Journal of Biological Chemistry* 285, 27302-27313, (Cover Page Illustration). **IF: 4.16.**
- Pappachan, A., **Subashchandraboise Chinnathambi**[#], Satheshkumar, P.S., Savithri, H.S., and Murthy, M.R (2008). Structure of recombinant capsids formed by the beta-annulus deletion mutant rCP (Delta48-59) of Sesbania mosaic virus. *Virology* 375, 190-196. (Cover Page Illustration). **IF: 2.91.**
- Pappachan, A., **Subashchandraboise Chinnathambi**[#], Satheshkumar, P.S., Savithri, H.S., and Murthy, M.R. (2009). A single point mutation disrupts the capsid assembly in Sesbania Mosaic Virus resulting in a stable isolated dimer. *Virology* 392, 215-221, (Cover Page Illustration). **IF: 2.91.**

RESEARCH GRANTS / PROPOSALS

Completed Grants

1. **MLP029526 NCL-CSIR:** Principal Investigator (PI) on a grant proposal from CSIR – NCL (In-house Startup Grant) on “Mechanism of Tau (intracellular axonal protein) aggregation and Tau inhibitors in Alzheimer’s disease” – 10/08/2013 to 10/02/2016, **for 20 lakhs.**
2. **DST- Neuroscience Project:** Principal Investigator (PI) on a grant proposal from DST – SERB (Young Investigator Fellow) on “Chaperone regulates the Tau (axonal protein) stability and phosphorylation dynamics in Alzheimer’s disease” – 01/06/2014 to 31/10/2017, **for 33 lakhs.**
3. **CSIR- Neuroscience Project (mind and correction):** Principal Investigator (PI) on a grant proposal from XIIth 5 year plan mIND and correction network project on “Post-translational modification and conformation of Tau in Alzheimer’s disease” – 10/10/2013 to 10/05/2017, **for 26 lakhs.**
4. **DBT- Neuroscience Project: BT/PR/15780/MED/30/1629/2015:** Principal Investigator (PI) on a grant proposal from Department of biotechnology (DBT) project on “Role of Tau Glycation in Alzheimer’s disease” – 20/07/2016 to 20/07/2019: **for 66 lakhs.**
5. **DBT- Neuroscience Project: BT/PR19562/MED/122/13/2016:** Principal Investigator (PI) on a grant proposal from Department of Biotechnology (DBT) project on “Understanding the molecular mechanisms of Dual modifications (Methylation and Acetylation) of Tau in Alzheimer’s disease” – 20/07/2016 to 20/07/2019: **for 73 lakhs.**
6. **EMR/2017/000306/Health Sciences:** Principal Investigator (PI) on a grant proposal from Department of Science and Technology (DST-SERB) project on “Baicalein inhibits Tau polymerization by inducing and sequestering oligomerization” – 01/01/2018 to 01/01/2021: **for 48 lakhs.**

Current Grants

7. **FBR/NCL/MLP101726/** Fundamental Basic Research/ Principal Investigator (PI) on a grant proposal from CSIR- FBR project on “Phagocytosis of full-length Tau oligomers by actin-remodeling of activated Microglia ” – 2020 to 2023: **for 77.1 lakhs.**

Administrative role in Institution and elsewhere

- Participated in various academic doctoral committee (DAC), research scholar’s interview committee, and faculty screening committee, external expert committee, electron microscopy committee, divisional faculty meeting and Divisional administrative committee.
- Served as reviewer for various external projects such as DBT-Neuroscience, DST-SERB, CSIR and other projects.

Conference organized

- National level workshop on recent developments in atomic force microscope: 2

Invited talk and conference proceedings

(Including, Indian academy of Neuroscience, Society of Biological Chemistry, DBT national mission mode on Glial cell biology, Electron microscopy of India and other invited talk from various institutes, IISc, InSTEM, IISER’s, IITs, NIMHANS, CCMB, RGCB, and Mysore University)

CLASSES TAUGHT: (no. of classes)

1. **January-May (2 credit | 200 level) (20 class: 30 hrs)**
Cell Structure and Membrane Protein Dynamics
2. **August-November (3 credit | 300 level) (32 class: 48 hrs)**
Protein Mis-folding Neurodegenerative Diseases
3. **August -November (3 credit) (3 class: 5 hrs)**
Advance methods in biotechnology

List of conferences and Invited talk

1. Feb 2021: Invited talk on **“Intra- and-Extracellular role of Tau oligomer in neuro-microglia”** at DBT-CDFD, Hyderabad, India.
2. Feb 2021: Invited talk on **“Extracellular Tau oligomer modulates phagocytosis, migration and actin-remodeling of activated microglia”** at DBT-Neuroscience, Delhi, India.
3. Dec 2020: Invited talk on **“Small molecules modulates chaperone-mediated proteostasis and cytoskeletal remodeling of Tau protein in Alzheimer’s disease ”** at NCL-RF, Pune, India.
4. Nov 2020: Invited talk on **“Extracellular Tau oligomers modulates phagocytosis, migration and actin-remodeling of activated microglia”** at Indian Institute of Science and Education Research, Pune, India.
5. Sep 2020: Invited talk on **“Extracellular Tau oligomer modulates phagocytosis, migration and actin-remodeling of activated microglia”** at DST-SERB, Delhi, India.
6. Feb 2020 Invited presentation on **“Recent development in Alzheimer’s disease in India”** at Nandha Arts and Science College, Bharathiyar University, India.
7. Jan 2020: Invited talk on **“HDAC6 and EGCG modulates cytoskeletal network”** at Bharathidasan University, Coimbatore, India

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8. Feb 2019 **AYUSH-Pune, regional meeting, India:** Brain storming session on AYUSH Mission, Invited presentation on **“Curcumin-Artemisinin-Pyrogallol Conjugate a Potential molecule against Alzheimer’s related Tauopathies** at AYUSH, Pune, India.
9. Feb 2019 **BioAsia, Government of Telanagana, India:** Invited presentation on **“Recent development in Alzheimer’s disease in Asia”** at Hyderabad, India.
10. Mar 2019 **DBT-India:** Brain storming session on Turmeric Mission, Invited presentation on **“Curcumin Modulates Tau aggregation in Alzheimer’s disease”** at DBT, New Delhi, India.
11. Mar 2019 **ZEISS Microscopy Conclave 2019:** Exclusive invitation, Invited talk on **“HDAC6 and EGCG modulates cytoskeletal network”** at Carl-Zeiss, Bangalore, India.
12. Mar 2019 **ETDMS-NCCS-Pune:** NASI Pune chapter, Invited talk on **“Brahmi attenuates the Tau-mediated Alzheimer’s pathology”** at NCCS, Pune, India.
13. July 2018 **EMSI-Bhubaneswar:** International Conference on microscopy and organized by Electron society of India Invited talk at the EMSI, 2018 **“Extracelular and Intracellular role of Tau in Microglia”** Bhubaneshwar, India.
14. July 2018 **NCCS-Pune:** Mini Symposium on Cell Biology, Short talk on **“The Internalization of ApolipoproteinE4 and Neuronal Tau in Alzheimer’s Disease”** at NCCS, Pune, India.
15. Aug 2018 **DBT-India:** Brain storming session on Glial Cell Biology, Short talk on **“Uncontrolled spreading of Tauopathy via cells’ own protective extracellular vesicles” “Exosomes”** at DBT, New Delhi, India.
16. Oct 2018 **NGBT-Jaipur:** International Conference on Next Generation Genome Biotechnology Techniques Invited talk at the NGBT, 2018 **“HDAC6 as a modifier of structure and function”** Fairmount, Jaipur, India.
17. Oct 2018 **BHU-IAN:** International Conference on Neurosciences, Invited talk on **“Extracellular Role of Tau in Microglia”** at IAN-Indian Academy of Neurosciences, Banaras, India.
18. Oct 2018 **BHU-IMS, Institute of Medical Sciences:** International Conference on Neurosciences, Invited talk on **“Extracellular Role of Tau in Microglia”** at Institute of Medical Sciences, BHU, Banaras, India.
19. Dec 2018 **IMTECH-Chandigarh:** Industry and academia meeting, Short presentation on **“Preparation of Tau Specific Oligomer antibody and internalization in Microglia”** at IMTECH, Chandigarh, India.
20. July 2017, **IIT Madras and IGCAR-DAE, Madras:** Invited talk at the International conference on Microscopy, Electron Microscopy Society of India (EMSI) **“Signaling Cascades of Tau in Alzheimer’ disease”** at IIT Madras, India.
21. October 2017. **Ravenshaw University, Cuttack:** Invited talk at the XXXV Annual Conference of Indian Academy of Neurosciences (IAN), 2017 **“Microglial Internalization and post-translational modifications of Tau”** at Ravenshaw University, Cuttack, India.
22. Feb 2018 **JNCASR Bangalore:** Invited talk at the New chemistry department (NCD) **“Tau Filaments Dissolved by natural peptides in Alzheimer’s disease”** at JNCASR Bangalore, India.
23. Feb 2018 **Mysore University:** Biodiversity and Bio prospecting for the sustainable development (BBSD 2018). Special Invited talk on “The physiology of Tau protein in Alzheimer’s disease” at the Science center, University of Mysore, Mysore, India.
24. Feb 2018 **University of Agricultural Sciences (UAS Raichur).** Special Invited talk on **“Tau induced pathology in C.elegans model system in AD”** at the department of Biotechnology, Agricultural research station, UAS-Raichur, Raichur, India.
25. March 2018 **Rajiv Gandhi Centre for Biotechnology (RGCB Trivandrum), Young Investigator Meeting.** Presented poster on **“The internalization of Tau in Microglia and the effect of Apolipoprotein in AD”** at the RGCB, Trivandrum, India.
26. October 2017 **Ravenshaw University, Cuttack:** Invited talk at the XXXV Annual Conference of Indian Academy of Neurosciences (IAN), 2017 **“Microglial Internalization and post-translational modifications of Tau”** at Ravenshaw University, Cuttack, India.
27. July 2017, **IIT Madras and IGCAR-DAE, Madras:** Invited talk at the International conference on Microscopy, Electron Microscopy Society of India (EMSI) **“Signaling Cascades of Tau in Alzheimer’ disease”** at IIT Madras, India.
28. Feb 2017 **IIT Varanasi:** Invited talk at the International Conference on Advances in Biological Systems (ABSMSNW-2017) **“Dementia Mutants does not alter the Tau glycation in AD”** at IIT Varanasi, India.
29. Feb 2017 **BHU Varanasi:** Invited talk at the Molecular Health Sciences Division (Department of Biotechnology) **“Signaling Cascades and Posttranslational Modifications of Tau in AD”** at BHU Varanasi, India.
30. Feb 2017 **University of Calcutta, Kolkata:** Invited talk at the International Conference on Neurodegenerative Disorders: Current and Future Perpecto9ve (NDD-2017) **““Signaling Cascades and Posttranslational Modifications of Tau in AD, at University of Calcutta, Kolkata, India.**
31. Feb 2017 Special Invitation from DBT-Neuroscience task force at Jiwaji University, Gwalior: Invited Talk on **“Microglial Internalization and Degradation of Post-translational Modifications of Tau, Jiwaji University, Gwalior, India.**

32. Jan 2017. **IIAMR Bangalore:** Invited talk at the Indian Institute of Ayurvedic Medicine and Research (IIAMR) “Tau Filaments Dissolved by Natural Products in Alzheimer’s disease” at IIAMR Bangalore, India.
33. Oct 2016 Short-listed and Invited Talk at 6th DBT- Neuroscience task force meeting, Delhi: Invited Talk on “Understanding the molecular mechanisms of Dual modifications (Acetylation and methylation) of Tau in Alzheimer’s disease ” at DBT-New Delhi, India.
34. Oct 2016 **Poster presentation at NBRC Gurgaon:** International Conference on Neuroscience and Neurochemistry (ICN-2016) “Dementia Mutants does not alter the Tau glycation in AD” at NBRC, Gurgaon, India.
35. Aug 2016 **Poster presentation at NCCS, Pune:** Mini Symposium on Cell biology “Role of p10 peptide in controlling the activity of CDK5/P25 complex in Alzheimer’s disease” at NCCS, Pune, India.
36. Oct 2016 Short-listed and Invited Talk at 5th DST- Nano Mission task force meeting (SR/NM/NS-1122/2016), JNCASR Bangalore: Invited Talk on “Intracellular Tau protein fragments dissolved by nano-particles ” at DST-Nano mission Bangalore, India.
37. Aug 2016 **IIT Madras and B.S. Abdur Rahman University, Chennai:** Invited talk at the International Conference on Applications of natural products and opportunities ahead (ICAN-2016) “Tau Filaments Dissolved by Natural Products in Alzheimer’s disease” at IIT Madras and BS Abdur Rahman University, Chennai, India.
38. July 2016 Short-listed and Invited Talk at CSIR- Young Scientist Award: Invited Talk on “Posttranslational Modifications and Signaling Cascades of Tau in Alzheimer’s disease” at CSIR-New Delhi, India.
39. June 2016 **IISc Bangalore:** Special Invited talk on “Posttranslational Modifications and Signaling Cascades of Tau in Alzheimer’s disease” at Department of Biochemistry, **Indian Institute of Science (IISc), Bangalore**, India.
40. June 2016 **INSTEM-NCBS Bangalore:** The conference organized by Beckman Coulter. Special Invited talk on “Aggregates analyzed by AUC” at INSTEM, NCBS, Bangalore, India.
41. May 2016 **Mysore University:** Special Invited talk on “Natural Products inhibits Tau aggregation in Alzheimer’s disease” at the Department of Biochemistry, University of Mysore, Mysore, India.
42. Jan 2016 Special Invited Talk at CFTRI, Mysore: Invited Talk on “Interacting Partners of Tau in Alzheimer’s disease”- at the department of Molecular Nutrition, CFTRI, Mysore, India.
43. Jan 2016 Special Invited Talk at the Indian Science Congress (INS), University of Mysore: **Invited talk on “Post-translational Modifications and Signaling Cascades of Tau in Alzheimer’s Disease” – at the Indian Science Congress (INS), University of Mysore, India.**
44. Jan 2016 **Poster presentation at the Indian Science Congress (INS), University of Mysore:** **“The P10 signal peptide and CDK5 complex Induces the Tau in Alzheimer’s disease” – at the Indian Science Congress (INS), University of Mysore, India.**
45. Oct 2015 **Poster-presentation: Indo-French Conference on Cytoskeleton Research IISER, Pune: Frontiers in Cytoskeleton Research: Coordination, adaptation, and fine-tuning.** The title **“Post-translational Modifications of Tau in Alzheimer’s disease” – at IISER, Pune, India.**
46. Oct 2015 **Poster-presentation: Indo-French International Conference on Cytoskeleton Research IISER, Pune: Frontiers in Cytoskeleton Research: Coordination, adaptation, and fine-tuning.** The title **“Ran GTPase’s Interacts with Tau in Alzheimer’s disease” – at IISER, Pune, India.**
47. June 2015 Invited Talk at JNCASR, Bangalore: **Invited talk on “Small Molecules Inhibits Tau Aggregation in Alzheimer’s disease” – at JNCASR, Bangalore, India.**
48. Feb 2015 Invited as a Chief guest and special talk on Technical Advances in Biological Sciences, Bharathiyar University, Coimbatore.
49. **Invited talk on “Axonal Tau Pathology in Alzheimer’s Disease” – at the Nandha College (Erode), Bharathiyar University, Coimbatore, and Tamilnadu, India.**
50. Jan 2015 Invited Talk at CFTRI, Mysore: **Invited talk on “Conformation of Microtubule Associated Protein-Tau in Alzheimer’s Disease” – at CFTRI, Mysore, India.**
51. Jan 2015 Molecular Proteomics/Metabolomics conference, IISc Bangalore: **Invited talk on “Axonal Tau Pathology in Alzheimer’s Disease” – at the Department of Biochemistry, Indian Institute of Science in Bangalore, India.**
52. Feb 2014 **Invited talk on “The Time for Tau is now in Alzheimer’s Disease” – at the Department of Biotechnology and Genetics, Osmania University in Hyderabad, India.** In addition to this, I had a half-day open-science (why to do Ph.D., or why NOT industry?) discussion with master students at the department of Biotechnology and genetics, Osmania University, Hyderabad, India.
53. Jan 2014 open science (awareness of science-especially neuroscience) talk on **“Introduction to Neuroscience”** at the **Nandha College (Erode), Bharathiyar University, Coimbatore, Tamilnadu, India.**
54. Sep 2013 Open science talk on **“Why should we do science”** at the **Kuvempu University, Shimoga, Karnataka, India.**