CURRICULUM VITAE

H. YARREIPHANG, Ph.D.
Assistant Professor (Adhoc)
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Hansraj College
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EDUCATION

Ph.D. in Neurophysiology : National Institute of Mental Health and Neurosciences (NIMHANS) Bangalore, November 2018
Master of Science in Zoology : Hansraj College, University of Delhi, Delhi (2009-11)
Bachelor of Science in Zoology : Hansraj College, University of Delhi, Delhi (2006-09)

Ph.D. THESIS TITLE

Assessment of developmental apoptosis and mitochondrial responses in F1 crossbreds of two mice strains with differential sensitivity to 1-methyl-4-phenyl-1,2,3,6-tetrahydro- pyridine (MPTP)

MASTER THESIS TITLE

Ploidy Manipulation in Finfish

ACADEMIC RECORD

EXAMINATION	SUBJECT	UNIVERSITY / BOARD	YEAR	%
Ph.D.	Neurophysiology	NIMHANS, Bangalore	2018	- -
Master	Zoology	Hans Raj College, University of Delhi	2011	61
Bachelor	Zoology	Hans Raj College, University of Delhi	2009	59
Class XII	Science	CBSE	2006	70
Class X	Science	CBSE	2004	69

RELEVANT EXAMINATIONS

- JRF-NET (UGC) 19/12/2010, and GATE 2012

RESEARCH AREAS OF INTEREST

Ploidy manipulation, Neurodegenerative Disease, Dopaminergic Cell death in Parkinson's disease

SKILLS AND EXPERIENCE

- Six years of research experience in neuroscience
- Animal experiment such as behavior, surgery, perfusion and tissue sectioning
- Experience in care, breeding and management of laboratory animals

- Experience in working with animal model of Parkinson's disease (MPTP-mouse model)
- Well acquaint with the techniques such as immunohistochemistry, histology, stereology, biochemical assays, ELISA, western blotting, confocal microscopy, electron microscopy.
- Good working knowledge of MS office, Prism, Adobe Photoshop and computer software-based analysis

RESEARCH/ TEACHING EXPERIENCE

- Teaches to undergraduate students of Zoology and Life Science in the department of Zoology, Hansraj College, University of Delhi (August 6, 2018 – till date)
- Educated the general public about neurodegeneration & Parkinson's Disease as a part of Indian National Science Day, NIMHANS, Bangalore (2017 and 2018)
- Senior Research Fellow on contract basis for ICMR Project entitled "Identification and validation of biomarkers for parkinsonian syndrome with cognitive impairment" – under Dr. Phalguni Anand Alladi, Senior Scientific Officer of Neurophysiology & Principal Investigator, July - September 2017
- Assisted and guided an intern students and trainees from various colleges for their project/dissertations
- Resource person in International Parkinson & Movement Disorder Society sponsored Parkinson's Disease Education Programme, NIMHANS, Bangalore, March 5-7, 2014

HONOURS AND AWARDS

- Received an International Congress Travel Grant Award from Movement Disorder Society ($1,000) to participate in the International Congress of Parkinson's Disease and Movement Disorders in Nice, France, September 22 – 26, 2019
- DST-SERB International travel grant to attend Society for Neuroscience (SfN) NEUROSCIENCE 2017 in Washington DC. United States, November 2017
- DBT-CTEP International travel to attend the 5th AOPMC in Manila, Philippines. March 2016
- International Brain Research Organization (travel grant, IBRO-Asia Pacific) School on Mitochondria and Neurodegeneration. Panjab University, India. October 2015
- Graduate Student Scholarship, NeuroRenew, Inc. & MBF Bioscience, Inc. Practical Workshop in Confocal Microscopy & Stereology. Dr. Daniel A. Peterson. Chicago, United States, August 2013 (did not avail)
- JRF and SRF Fellowship from University Grants Commission (2012-17)
- Certificate of honour for the noble service - Tangkhul Student Union Delhi. 2007-08

APPOINTMENT

- Assistant Professor (Adhoc) in the department of Zoology, Hansraj College (August 6, 2018 – till date)
- SRF for ICMR Project entitled "Identification and validation of biomarkers for Parkinsonian syndrome with cognitive impairment." Dept. of Neurophysiology, NIMHANS. July - September 2017

LABORATORY VISIT

- Oxidative Blood-Brain Barrier Damage, Neuroinflammation, and Neurodegeneration, New Jersey Institute of Technology, Newark, United States. Nov. 14-19, 2017

MEMBER

- Life Member of the Indian Academy of Neurosciences, India
- Member of the International Parkinson's and Movement Disorder Society, USA
- Member of the Society for Neuroscience, USA

WORKSHOP AND SCHOOLS ATTENDED

1. One-week online faculty development programme on Computational Approach to Drug Discovery organized by Deshbandhu college and Center for Bioinformatics, Computational and Systems Biology in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, August 2-7, 2021
2. International Brain Organization/Asia Pacific Regional Committee School on Mitochondria and Neurodegeneration organized by Dept. of Biochemistry. Panjab University, October 26th-30th 2015
3. NIMHANS-MAASTRICHT University Joint Workshop on Neuro Psychiatry. NIMHANS, Bangalore, 12th-14th March 2015
4. TS Srinivasan- NIMHANS Knowledge Conclave 2015. NIMHANS, Bangalore, February 12th -13th 2015
5. Resource person in International Parkinson and Movement Disorder Society-sponsored workshop on "Parkinson's Disease Education Programme". NIMHANS, Bangalore, March 5th-7th 2014
6. 38th Mahabaleshwar Seminar on Mitochondria, Energetics and Metabolism organize by the Department of Biological Sciences Tata Institute of Fundamental Research, Mumbai, January 27th-30th 2014
7. ICMR-NIMHANS Workshops on Biomedical Communication. NIMHANS, Bangalore, March 23rd 2013
8. Workshop on Clinical Proteomics organized by Dr. G. Venkataswamy Eye Research Institute, Aravind Medical Research Foundation, Madurai, 24th-26th June 2013
9. Care, Breeding and Management of Laboratory Animals conducted by central animal research facility, NIMHANS, Bangalore, September 2012

CONFERENCES AND SYMPOSIA

1. 59th Annual National Conference of Association of Physiologists and Pharmacologists of India. NIMHANS, Bangalore, November 26th &27th 2013
2. International Symposium on Neurosciences & XXX Annual Conference of Indian Academy of Neurosciences. Allahabad, October 25th -27th 2013
3. 7th National Sleep Medicine Course 2012. NIMHANS, Bangalore, December 15th & 16th 2012
4. Women in world neuroscience symposium "Opportunities and Challenges for Women Scientists in India". NIMHANS, Bangalore, November 3rd 2012
5. National seminar on Globalization and Changing Tribal Identify in North-East India organized by Naga Forum and Naga Cultural Research Society. Delhi University. May 16th & 17th 2011

POSTERS PRESENTED (as first author only)

1. Evaluation of nigral neuronal apoptosis during postnatal development and adulthood of mice strains with differential sensitivity to MPTP. **Yarreiphang H,** *V. DJ, C. Sagar, R. Tr, P. Alladi.* International Parkinson and Movement Disorder Society's International Congress of Parkinson's disease and Movement Disorders®. Nice, France, September 22–26, 2019

2. Postnatal developmental apoptosis in mice strains and its differential susceptibility to MPTP in adulthood. **Yarreiphang H,** Vidyadhara DJ, Chandrasekhar S, Raju TR and Phalguni Alladi. Neuroscience 2017, Society for Neuroscience (SfN), Washington D.C. United States. November 11–15, 2017

3. Postnatal apoptosis: A major determinant of basal nigral neuronal numbers and differential susceptibility to 1-methyl-4-Phenyle-1,2,3,6-Tetrahydropyridine (MPTP)'. **Yarreiphang H,** Vidyadhara DJ, Raju TR and Phalguni Anand Alladi. International Symposium on Neurodegenerative Disorders (ISND 2017) NIMHANS, Bangalore, India. March 29th & 30th 2017

4. Differential developmental apoptosis and apoptotic markers in 1-Methyl-4-Phenyl 1,2,3,6-Tetrahydropyridine (MPTP) resistant and susceptible mice strains and their crossbreds'. **Yarreiphang H,** Vidyadhara DJ, Raju TR and Phalguni Anand Alladi. The 5th Asian and Oceanian Parkinson's disease and Movement Disorders Congress. Manila, Philippines, March 11th -13th 2016

5. Differential expression of apoptotic markers in 1-Methyl-4-Phenyl 1,2,3,6-Tetrahydropyridine (MPTP) resistant and susceptible mice strains and their crossbreds'. **Yarreiphang H,** Vidyadhara DJ, Raju TR and Phalguni Anand Alladi. XXXIII Annual Conference of Indian Academy of Neurosciences (IAN 2015). Panjab University, Chandigarh, India. November 31st Oct-2nd 2015

6. Developmental Bax:Bcl-2 ratio differs in 1-Methyl-4-Phenyle 1,2,3,6-Tetrahydropyridine (MPTP) resistant and susceptible mice strains and their crossbreds. **Yarreiphang H,** Vidyadhara DJ, Raju TR and Phalguni Alladi. International Symposium of Translational Neuroscience and XXXII Annual Conference of Indian Academy of Neurosciences (IAN 2014). NIMHANS, Bangalore, India November 1st -3rd 2014

RESEACRH PUBLICATIONS

Sl. No		Title/Authors	Journal	IF 2020	Year
1	DJ Vidyadhara[$], Haorei Yarreiphang[$], Trichur R Raju, Phalguni Anand Alladi. [$]= share equal authorship	Differences in neuronal numbers, morphology and developmental apoptosis in mice nigra provide experimental evidence of ontogenic origin of vulnerability to Parkinson's disease.	Neurotoxicity Research	3.911	Nov 2021
2	Suresh SN, Janhavi Pandurangi, Ravi Murumalla, Vidyadhara DJ Lakshmi Garimella, Achyuth Acharya, Shashank Rai, Abhik Paul, Haorei Yarreiphang, Malini S Pillai, Mridhula Giridharan, James P Clement, Phalguni Anand Alladi, Taslimarif Saiyed, Ravi Manjithaya	Small molecule modulator of aggrephagy regulates neuroinflammation to curb pathogenesis of neurodegeneration	EBioMedicine	8.143	2019

3	Suresh, S. N., Chavalmane, A. K., Pillai, M., Ammanathan, V., Vidyadhara, D. J., Yarreiphang, H., Rai, S., Paul, A., Clement, J.P., Alladi, P.A., Manjithaya, R.	Modulation of Autophagy by a Small Molecule Inverse Agonist of ERRα Is Neuroprotective	Frontiers in Molecular Neuroscience	5.639	2018
4	Suresh, S.N., Chavalmane, A.K., Vidyadhara D J, Yarreiphang, H., Rai, S., Paul, A., Clement. J.P., Anand, P.A., Manjithaya, R.	A novel autophagy modulator 6-Bio ameliorates SNCA/α-synuclein toxicity.	Autophagy	16.016	2017
5	Vidyadhara DJ, Yarreiphang H, Raju TR, Alladi PA.	Admixing of MPTP-Resistant and Susceptible Mice Strains Augments Nigrostriatal Neuronal Correlates to Resist MPTP-Induced Neurodegeneration.	Molecular Neurobiology	5.59	2017
6	Vidyadhara DJ [$], Yarreiphang H [$], Abhilash PL [$], Raju TR, Alladi PA. [$]: contributed equally	Differential expression of calbindin in nigral dopaminergic neurons in mice strains with differential susceptibility to 1-Methyl- 4-Phenyl- 1,2,3,6-Tetrahydropyridine	Journal of Chemical Neuroanatomy	3.052	2016

CHAPTERS IN CONFERENCE PROCEEDINGS

1. **H. Yarreiphang,** Vidyadhara DJ, TR Raju, Alladi PA. *Stereological Analysis for Quantitation of Neuronal Numbers in Brain Tissues, Parkinson's Disease Education Programme: A handbook, 2014*

2. Pooja Shree Mishra, Dinesh K D, **H. Yarreiphang,** Vidyadhara DJ, Vijayalakshmi K, Alladi PA & T.R. Raju. *Confocal Laser Scanning Microscopy, Parkinson's Disease Education Programme: A handbook, 2014*

3. Alladi PA, Vijayalakshmi K., Vidyadhara DJ, **H. Yarreiphang,** Jyothi H J, T N Sathyaprabha, T R Raju. *Principles of Immunohistochemistry, Current Physiological Techniques, 2013*

REFERENCES

T.R. Raju

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Visiting Distinguished Professor, SVYASA Yoga University, Bangalore

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