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From

P. Mahalakshmi
UGC-Research Fellow
Department of Biochemistry
University of Madras
Guindy campus
Chennai – 600 025
Tamilnadu, India

To

The Principal Investigator

Respected Professor,

Sub: Applying for the post of 'Postdoctoral Fellow' under your guidance – Reg.

With reference to the subject cited above, I wish to state that I am here by submitting my detailed curriculum vitae for your kind consideration and perusal. I humbly request your good selves to kindly provide an opportunity to prove myself in your esteemed concern. I will be very much diligent and sincere in my duties with endeavor to deserve your confidence. I hope that my curriculum vitae may please be considered for the selection of Postdoctoral Fellow position.

Thanking you, expecting your early call of letter for interview.

Yours faithfully,

P.Mahalakshmi

CURRICULUM VITAE

P. MAHALAKSHMI

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CARRIER OBJECTIVE

As a burgeoning Neuro-oncologist, I would like to learn the fundamentals of this new field and my long – term aim is to excel in the field of **Oncology and Molecular biology** as a scientist. Seeking a challenging environment that encourages continuous learning and provides exposure to new ideas and stimulates personal and professional growth and to take up a challenging research career in **Oncology and Molecular biology** field for future generation.

JOB EXPECTATION: Postdoctoral Position in biological sciences

(Epigenetics / Signal transduction/ Biochemistry / Microbiology / Molecular Biology / Biomedical Genetics / Biotechnology / Immunobiology/ Cancer biology)

ACADEMIC PROFILE

- ✓ Pursuing **Ph.D., Degree in Biochemistry** (September 2006 onwards) (Viva Awaited) from Department of Biochemistry, University of Madras, Guindy Campus, Chennai, Tamilnadu.
- ✓ **Master of Science in Biochemistry** (2003 to 2005), from Bharathi women's Arts and Science College (Government aided), Chennai-24, affiliated to University of Madras, aggregated score of **74%**.
- ✓ **Bachelor of Science in Biochemistry** (2000 to 2003), from Jaya college of Arts and Science College, Chennai-602024, affiliated to University of Madras, aggregated score of **75%**.
- ✓ **Diploma in Honours Diploma in Computer Application** (HDCA), from computer software college, an ISO 9001:2000 Certified institution.
- ✓ **Higher Secondary Examination** with first class aggregated score of 64%.

AWARDS RECEIVED

- ✓ Awarded as **Research Fellow in Science for Meritorious Students** by the University Grant Commission, New Delhi (April 2009 onwards).
- ✓ Secured **first place** in B.S.C Biochemistry in Jaya Arts and Science College, University of Madras and **University Rank (9th place)** in undergraduate from University of Madras, Chennai.

- ✓ Paper selected for the **Tulsabai Somani Education Trust Awards** for oral presentation at the annual conference of Indian academy of neuroscience.

CURRENT POSITION

- **Research Scholar** doing Ph.D., in Biochemistry (September 2006 – Till date) (Epigenetic-DNA methylation)
- **Thesis title: Population-based analysis of epigenetic related signature and cytogenetic investigations in brain tissues of different grades of glioma: an attempt towards minimal interobserver variations**

PROFESSIONAL EXPERIENCES

- Worked as a **Quality Control Biochemist** in Quality Control Department of AToZ pharmaceuticals, Ambattur, Chennai, INDIA

SELECTED PEER-REVIEW PUBLICATIONS

- ✓ **Palani M**, Devan S, Arunkumar R, Vanisree AJ. Frequency variations in the methylated pattern of p73/p21 genes and chromosomal aberrations correlating with different grades of glioma among south Indian population. *Med Oncol.* 2010 Sep 16. PMID: 20844987.
- ✓ **Mahalakshmi Palani**, Arunkumar R, Vanisree Arambakkam Janardhanam. Biochemical and cytogenetic analysis of brain tissues in different grades of glioma patients. *Annals of Neurosciences.* 2010 July 17(3): doi: 10.5214/ans.0972-7531.1017305.
- ✓ Sabarinathan D, **Mahalakshmi P**, Vanisree AJ. Naringenin promote apoptosis in cerebrally implanted C6 glioma cells. *Mol Cell Biochem.* 2010 Dec; 345(1-2):215-22. PMID:20717707.
- ✓ Sabarinathan D, **Mahalakshmi P**, Vanisree AJ. Naringenin, a flavanone inhibits the proliferation of cerebrally implanted C6 glioma cells in rats. *Chem Biol Interact.* 2011 Jan 15;189(1-2):26-36. PMID: 20932960.

CONFERENCES/SEMINAR/WORKSHOP PARTICIPATED

- ✓ Participated and presented a **paper** on “**Molecular characterisation of different grades of glioma, an enigmatic tumor in South Indian population**” at the “International conference on 27th Annual conference of Indian academy of Neurosciences” organized by NIMS university, on 18th and 20th December 2009.
- ✓ Participated and presented a **poster** on “**Cytogenetic and Molecular Profile of Different Grades of human Glioma**” at the “International Conference on 28th Annual convention of Indian association for cancer and International symposium on emerging challenges and approaches in

cancer biology IISC centenary year Conference (1909-2009)" organized by Indian institute of science, Bangalore on 21th to 24th February 2009.

- ✓ Participated and presented a **poster** on "**Cytogenetics and biochemical analysis of antioxidants in different grades of glioma**" at the "International Conference on Advances in Free Radicals Research: Natural Products, Antioxidants and Radioprotectors" organized by Department of Biochemistry, Era's Lucknow Medical College, Lucknow on 19th to 21st March 2009.
- ✓ Attended the one day Workshop on '**Patent Awareness**' Organized by the patent information cell, University of Madras, Chennai. 2009.
- ✓ Participated and presented a **paper** on "**Methylation status of different grades of glioma**" at the International Conference on Advances in Neuroscience & XXVI Annual Meeting of Indian Academy of Neurosciences organized by Department of Biotechnology Cochin, University of Science and Technology, Cochin - 682 022, Kerala, India, on 12th and 14th December 2008.
- ✓ Participated in International conference on "**Advances in Neurosciences**" conducted by centre for Neuroscience, Cochin University of Science and Technology, Cochin, 2008.
- ✓ Participated in National conference on '**7th indo-Japanese neurosurgery conference**' conducted by Department of Neurosurgery, Sri Ramachandra University, Chennai. 2008.
- ✓ Participated in one day seminar on "**Herbal Analysis and Application**" held at Centre for Herbal Sciences, University of Madras, Guindy Campus, Chennai on 29th October 2008.
- ✓ Participated in Seminar on '**National seminar on medicinal plant research and marketing-present scenario**' conducted by Srimad Andavan arts and science college, Thiruchirapalli. 2008.
- ✓ Participated in '**National conference on new frontiers and current trends in biotechnology**' conducted by department of biochemistry, university of madras, Chennai. 2008.
- ✓ Participated in '**International conference on free radical and natural products in health and satellite meet**' Cochin. 2007.
- ✓ Participated in the National Conference on "**Recent Trends on Medicinal Plants Research**" organized by the CAS in Botany, University of Madras, Guindy Campus, Chennai 600 025, on January 24th and 25th, 2007.
- ✓ Participated in the seminar on "**Molecular basis of diseases in biochemistry**" organized by Department of Biochemistry, Dhanapalan College for Women, Kelambakkam, Chennai-603103, Tamilnadu on 24th August 2004.

COMPUTER KNOWLEDGE

Operating System : Windows 98 & XP,

Applications known : MS-Office, C++, Photoshop, Flash, PageMaker, DTP.

STATISTICAL KNOWLEDGE:

SPSS SOFTWARE: One Way ANOVA, Kaplan-Meier survival curve, χ^2 test, Fisher's exact test

TECHNICAL PROFICIENCY

- ✓ Cytogenetics (**Karyotyping**)
- ✓ Blotting (Southern, Northern and **Western**)
- ✓ Polymerase chain reaction (RT-PCR, **MSP**), Electrophoresis - PAGE
- ✓ ELISA and other clinical immunological techniques
- ✓ FT-IR, UV Visible Spectrophotometer
- ✓ Confocal microscopy, Immunofluorescence
- ✓ Biochemical techniques
- ✓ Basic staining and culture techniques
- ✓ Experienced in performing **Stereotactic surgery** of rats (Experienced in Microinjecting cells and chemicals into various Brain regions).
- ✓ Animal cell culture
- ✓ Flame photometry

EXTRACURRICULAR ACTIVITIES:

- ✓ Participated in NAC-Nasscom's assessment of competence designed on 21.01.06 assessed by British council and AON consulting, USA.
- ✓ Member in NSS Unit of Jaya College.
- ✓ Participated in many academic events in schools and colleges and won prizes in sports (Kabadi, Throwball, Javeline throw, Shotput) and in painting.

PERSONAL PROFILE

Date of birth & Age - 20.09.1982 & 28 years
Sex - Female
Marital status - Single
Nationality - Indian
Languages Known - English, Tamil and Hindi
Residential Address - No: 5/9, I.V.Y Nagar, Thiruninravur
Chennai 602024, India.

REFERENCES

1. Dr. A. J. Vanisree, PhD

Assistant professor (Supervisor)
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University of Madras, Guindy Campus
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E. mail: vanielango@gmail.com

2. Dr. S. Niranjali Devarj, PhD

Professor and head
Department of Biochemistry
University of Madras, Guindy Campus
Chennai-25
E. mail: niranjali@yahoo.com.

3. Dr. N. Munuswamy, Ph.d. D.sc.,

Professor
Department of Zoology
School of Life Sciences, Life Science Building
University of Madras, Guindy Campus
Chennai - 600 025.
Tamil Nadu, INDIA
E. mail: munuswamym@yahoo.com

DECLARATION

I do hereby declare that the above-furnished details are true to best of my knowledge.

Yours sincerely,

(P.Mahalakshmi)



University of Madras

Department of Zoology

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E-mail: munuswamym@yahoo.com

Prof. N. Munuswamy, D.Sc.,

To whomsoever it may concern

I have great pleasure in testifying the capabilities of **Ms.P.Mahalakshmi**, who has applied for the post of Postdoctoral Fellowship in your esteemed institution.

With brilliant academic career in her M.Sc. Programme, she joined Ph.D. in department of biochemistry. She has carried out research on the "Population-based analysis of epigenetic related signature and cytogenetic investigations in brain tissues of different grades of glioma: an attempt towards better stratification", for Ph.D. programme. I found her to be hard working and sincere with enthusiasm in research. She is thorough with the technique like Karyotype, MS-PCR, RT-PCR, Immunohistochemistry, Immunofluorescent analysis, Western blot and many more techniques, which she has used in her study.

She has also published her research findings in National and International journals, which would definitely vouch her calibre in research. She has participated in several national and international neuro conferences. Apart from her research work in Glioma, she has good knowledge in the field of Biochemistry, Cell signalling and Cancer biology.

Her good command over subject and her vast literature collection, enable her to apply a wide range of techniques to substantiate her studies and correlate them with each other. She has got sufficient knowledge to perform independent research. She has good manners and gets along with people and has high consistent academic record. Her comprehension in English is very good, and she can express well in language.

I strongly recommend her candidature for the post doctoral position in your esteemed organization. If you'd like more information, I will be happy to provide it.

I wish her all success in her future endeavours.

N. Munuswamy
(N.MUNUSWAMY)

UNIVERSITY OF MADRAS

Department of Biochemistry

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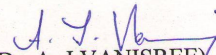
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TESTIMONIAL

It is pleasure for me to recommend the candidate **Miss. P. Mahalakshmi**, Research scholar (UGC-SRF), Department of Biochemistry, University of Madras. Soon after completing the post graduate program, she registered for Ph.D program under my supervision. Her extemporary research work is on Biochemical, Molecular and Cytogenetic investigations in glioma patients. She is sincere, regular and hard working young scientist with amicable nature. She did a reasonably good work for her Ph.D and published her works in reputed journals. She has been awarded a prestigious senior research scholarship funded by University of grant commission to support her research work. She has thirst for innovative research. She possess sound knowledge in the field of Biochemistry and Molecular biology. She is potent in many conventional laboratory techniques such as Biochemical assay, Spectrophotometry, Karyotype, Immunohistochemistry, Immunofluorescent analysis and PCR. She has participated in several national and international conferences and had presented her work.

Miss.P.Mahalakshmi possess appreciable interpersonal and communication skills. Her ability to help others, take initiatives and accepting responsibility makes her good researcher. I am sure that if given an opportunity, she will be an asset to your institute as she is quite capable to carry out all the assigned jobs in a responsible manner.

I will be glad to provide you any further information, about the candidate who deserves every encouragement.


(Dr. A. J. VANISREE)

