

Vidya Kunnathully, Ph.D.

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Email: :

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Ph.D. in the field of medical sciences with 5+ years of extensive research experience in Europe and Asia. Aims to leverage the knowledge and skills acquired in the field of research and apply it to gain expertise in a growth driven institution.

Professional Education

- **Ph.D. student in the clinical, medical and experimental sciences program** – University of Verona, Italy (*Jan 2013 – Dec 2015*)
- **Master's degree in Medical Biotechnology (MSc)** – Manipal Academy of Higher Education, India, Distinction holder (*Sep 2008- Jul 2010*)
- **Bachelor's degree in Biotechnology (BSc)** – Manipal Academy of Higher Education, India, Distinction holder (*Sep 2005 - Jul 2008*)

Work Experience

- **Post-doctoral research fellow, IBP, CNR**
(*Jul 2016 – Present*)
Currently working on a research project to understand the signalling mechanisms activated at the TGN during the trafficking of cargo to the basolateral plasmamembrane and lysosomes.
- **Junior Research Fellow – Manipal Life Sciences Centre, Manipal University, India**
(*Jan 2011 – Dec 2012*)
Worked on a research project titled "Discovering the bio-efficacy of *Morinda citrifolia* (Noni)", which concentrated on identifying anti-tumor, chemopreventive and DNA repair properties from the Noni fruit extracts. This project was funded by the World Noni Research Foundation.
- **Intern – Novartis Healthcare, Pvt. Ltd.**
(*Sep 2010 – Nov 2010*)
Three month internship in Integrated Analytics and Reporting under the IHC-IID (Integrated hospital care-immunology and infectious diseases) at Novartis Healthcare Pvt. Ltd., Hyderabad which included various trainings to understand and learn the process of drug development at the industrial level

Research Experience

- **Currently working on a three year research project on "Studying the regulation of 11 β -HSD1 expression and activity in peripheral blood monocytes"**
Department of Rheumatology, University of Verona, Italy (*Jan 2013 – May 2016*)

- **Nine month research project on “ALAD Polymorphisms in Industrial workers with reference to lead poisonings and its correlation with Liver function and Lipid Peroxidation**
Manipal Life Sciences Centre, Manipal University, India (Oct 2009 – Jun 2010)
- **Six month research project on “*In vitro* culture and biochemical studies on Brinjal (*Solanum melangena* L.) var. Mattu Gulla and Perampalli Gulla ”**
Manipal Life Sciences Centre, Manipal University, India (Jan 2008 – Jun 2008)

Peer reviewed publications

1. **CD14⁺⁺ CD16⁻ monocytes are the main source of 11 β -HSD type 1 after IL-4 stimulation.** Vidya Kunnathully, Macarena Gomez-Lira, Fabio Poli, Elisa Zoratti, Giulio Bassi, Valentina La Verde, Federica Martinis, Luca Idolazzi, Davide Gatti, Ombretta Viapiana, Silvano Adami, Maurizio Rossini. *Int immunopharmacol.* 2016. 43:156-163
2. **Prevalence, pathogenesis, and treatment options for mastocytosis-related osteoporosis.** Rossini M, Zanotti R, Orsolini G, Tripi G, Viapiana O, Idolazzi L, Zamò A, Bonadonna P, Kunnathully V, Adami S, Gatti D. *Osteoporos Int.* 2016 Feb 18. [Epub ahead of print]
3. **Higher level of dickkopf-1 is associated with low bone mineral density and higher prevalence of vertebral fractures in patients with ankylosing spondylitis.** Rossini M, Viapiana O, Idolazzi L, Ghellere F, Fracassi E, Troplini S, Povino MR, Kunnathully V, Adami S, Gatti D. *Calcif Tissue Int.* 2015; Dec 8 [Epub ahead of print]
4. **Distinct effect of Zoledronate and Clodronate on circulating levels of DKK1 and Sclerostin in women with postmenopausal osteoporosis.** Gatti D, Viapiana O, Idolazzi L, Fracassi E, Ionescu C, Dartizio C, Troplini S, Kunnathully V, Adami S, Rossini M. *Bone.* 2014 Oct;67:189-92.
5. **Establishment of an in vitro plantlet regeneration protocol for unique varieties of brinjal (*solanum melongena* L.) Var. Mattu gulla and perampalli gulla.** Muthusamy A, Vidya KS, Pratibha PK, Rao MR, Vidhu SB, Guruprasad KP, Raghavendra U, Gopinath PM, Satyamoorthy K. *Indian J exp biol.* 2014 Jan;52(1):80-8.
6. **Osteoporosis treatment: Why Ibandronic acid?** Rossini M, Orsolini G, Adami S, Kunnathully V, Gatti D. *Expert Opin Pharmacother.* 2013 Jul;14(10):1371-81

Posters and oral presentations

1. **Prednisone compared to Methyl-Prednisolone in the polymyalgia rheumatica treatment.** Sonila Troplini, Luca Idolazzi Ombretta Viapiana, Giovanni Orsolini, Elena Fracassi, Marta Risoli, Macarena Gomez Lira, Vidya Kunnathully, Davide Gatti, Maurizio Rossini, Silvano Adami. *EULAR, 11th Jun - 14th Jun, 2014*
2. **Cytotoxic efficacy of Noni fruit extracts and scopoletin on a preponderant panel of human tumor cell lines.** Vidya K.S., Raghavendra Upadhy., Muthusamy A., Vidhu Sankar Babu., Subramani J., Satyamoorthy K. Noni search, 2012 Seventh national symposium, “Noni- A panacea for wellness”. 6th Oct - 7th Oct, 2012

3. **Relative cytotoxic efficacy of Noni fruit extracts and scopoletin on a preponderant panel of human tumor cell lines.** Vidya K.S., Raghavendra Upadhy., Muthusamy A., Vidhu Sankar Babu., Subramani J. , Satyamoorthy K. Noni search, 2011. Sixth national symposium, "Noni- A panacea for wellness", 1st Oct – 2nd Oct, 2011
4. **Direct organogenesis in Brinjal (*Solanum melongena* L.) Var. Mattu gulla – Unique variety of Udupi, Karnataka.** Muthusamy.A, K.S.Vidya, P.K.Pratibha, S.B. Vidhu, M.Radhakrishna Rao and Satyamoorthy. K. Innovative and modern technologies for agricultural productivity, food security and environmental management", Society for applied biotechnology, 22nd Jul – 23rd Jul, 2011
5. **ALAD Polymorphisms in industrial workers with reference to Lead poisonings and its correlation with Liver function and Lipid Peroxidation.** Vidya KS, Mukund P S, Shobha U K, Herman S D, Satyamoorthy K. ISHG-2011, International conference on "Genomics, genetic diseases and diagnostics" and 36th annual conference of the Indian society of human genetics 14th Feb – 16th Feb, 2011
6. **ALAD dehydratase activity and its correlation with lipid peroxidation in battery workers exposed to Lead.** Shobha U Kamath, Mukund P S, K S Vidya, Herman Sunil Dsouza. The International Conference on Recent Trends in Therapeutic Advancements of Free radical, Science and 10th Annual Meeting of The Society Of Free Radical Research, in Chennai 9th Jan – 11th Jan, 2011
7. **In vitro regeneration studies in brinjal var. Mattu and Perampalli Gulla - unique varieties of Udupi, Karnataka.** Muthusamy. A, Vidya. KS, Radhakrishna Rao. M, Gopinath. PM, Satyamoorthy. K. The 4th Indian Horticulture Congress 2010 – Horticulture. Horti-business and Economic Prosperity. 17th Nov - 21st Nov 2010

Other Certifications

- **Stanford online course- Writing in the sciences-** November, 2015-Completed with distinction (94%)
- **Italian Language Certification** (Centre of Linguistics, University of Verona) , February, 2015– Level A2- Grammar- 85/100, Written- 100/100, Oral- 100/100
- **TOEFL-** November, 2011- 120/120 (Full score) Reading- 30/30, Listening- 30/30, Speaking-30/30, Writing30/30

Research Expertise

Immunofluorescence, Western blotting, confocal microscopy, PCR, RT-PCR, RNA and DNA extraction, Animal cell culture, Plant tissue culture, cloning, Luciferase assay, Flow cytometry, HPLC, biochemical assays