

## CURRICULUM VITAE

**Mathew Steephan** Assistant Professor of Botany  
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### CAREER

**July 2016 to Present** : Assistant Professor of Botany, Govt. college for Women, TVM, University of Kerala.

**July 2013 to June 2016**: Assistant Professor of Botany, Brennen College, Kannur University

**July 2008 to June 2013**: Assistant Professor of Botany, Govt. College, Chittur, University of Calicut.

### ACADEMIC QUALIFICATION

BSc Botany :	Kerala University
MSc Botany :	Kerala University
PhD Biotechnology:	Kerala University

### PUBLICATION

**1. Phosphorylation status of the NR2B subunit of NMDA receptor regulates its interaction with calcium/calmodulin-dependent protein kinase II.**

Rajeevkumar Raveendran, Sudarsana Devi Suma Priya, Madhavan Mayadevi, **Mathew Steephan**, Thankayan R. Santhoshkumar, John Cheriyan, Rajendran Sanalkumar, Kurup K. Pradeep, Jackson James and Ramakrishnapillai V. Omkumar . Journal of Neurochemistry, 2009,110, 92-105

**2. Hesperetin and Naringenin sensitize HER2 positive cancer cells to death by serving as HER2 Tyrosine Kinase inhibitors.** Bhavya Balan Chandrika, Mathew Steephan, T.R. Santhosh Kumar, A. Sabu, M. Haridas, Life Sciences 160 (2016) 47–56

**3. A Simple End-point Assay for Calcium Channel activity.** Journal: Cell Calcium, 74: p73-85  
Arunkumar Renganathan Chandrika\*, **Mathew Steephan\***, Rajeevkumar Raveendran\*, Suma Priya Sudarsana Devi, Soumya Paul, Mayadevi Madhavan, and Ramakrishnapillai V. Omkumar

### PATENT : Filed and accepted

Title of the Invention	:	"Assay for detection of transient intracellular Ca <sup>2+</sup> ".
Inventors	:	Omkumar, R.V., Rajeevkumar, R., <b>Mathew Steephan</b> , Mayadevi, M.and Suma Priya.S
PCT application filing No.	:	PCT/IN08/000370 dated 12-06-2008
Indian patent filing No.	:	1276/CHE/2007 dated 06-06-2008
US patent Publication No.	:	US 2010/0240071 A1, dated Sep. 23, 2010

### AWARDS AND SCHOLARSHIPS

- **Prof. Ch. R.K. Murthy memorial award**: Received Dr. Murthy Memorial award for the best poster for the original research work in the international annual meeting of Neurochemistry organized by Society for Neurochemistry India(SNCI), held at Indian Institute of Chemical Biology, Kolkata (January 8<sup>th</sup>-9<sup>th</sup>, 2007)

### TRAINING PROGRAMMES ATTENDED

- **"Neurochemical Techniques for the Neuroscientists"**-Attended the **IBRO** sponsored 10 day workshop held at IICB, Kolkata, India from 29<sup>th</sup> Dec.2006 to 7<sup>th</sup> Jan.2007
- **"Handling Laboratory animals"** Three week training programme from Sree Chitra Tirunal Institute for Medical Science and Technology (SCTIMST) under the guidance of Dr. AC. Fernandez (3<sup>rd</sup> July to 22<sup>nd</sup> July 2006).
- **Cell culture training** 'Handling and Differentiation of neuroblastomal cells' from NCCS under the guidance of Dr. Padma Shastry (A nonformal training)-2004.
- **"Recombinat DNA technology"**- 10 day training programme, held at Central Facility for Biotechnology, Teaching & Research, Madurai Kamaraj University, Madurai from 12<sup>th</sup> – 19<sup>th</sup> Oct 2002.

Mathew Steephan