Dr. Suresh S Palaniyandi PhD
Mobile: 1-650-669-9070; Lab:1-650-498-7457
sureshp1@stanford.edu

2006-Present **Stanford University School of Medicine**, Stanford, CA
Postdoctoral Research Scholar, Daria Mochly-Rosen Lab, Department of Chemical and Systems Biology.
Projects: 1) Beta II and epsilon protein kinase C isozymes in mast cell activity in heart failure. 2) Aldehyde dehydrogeanse in diabetic complications

Education:

2003-2006 **Niigata University of Pharmacy and Applied Life Sciences,** Niigata, Japan.
PhD in Pharmaceutical Sciences from the Department of Clinical Pharmacology
Thesis Title: Role of Mast Cells in Acute Myocarditis and Dilated Cardiomyopathy

1999-2002 **Punjabi University,** Patiala, India.
Master of Pharmacy in Pharmacology passed with **First Class** from Department of Pharmaceutical Sciences and Drug Research
Thesis Title: Implication of H1 Receptors and Resident Cardiac Mast Cells on Ischaemia and Reperfusion Induced Myocardial Injury

2001-2002 **Pondicherry (Central) University,** Pondicherry, India
Postgraduate Diploma in Human Resource Management

1995-1998 **The Tamilnadu Dr. MGR Medical University**, Chennai, India
Bachelor of Pharmacy passed with **First Class** from College of Pharmacy, Sri Ramakrishna Institute of Paramedical Sciences, Coimbatore, India.
Project Title: Formulation of Liquid Herbal Shampoo and Critical Study of Their Ingredients and Their Evaluation Methods

Awards and Scholarships:

[1] **Early Career Author Award 2008** by International Society of Heart Research/Journal of Molecular Cellular Cardiology.
[2] **Jay N. Cohn Young Investigator Award (Basic Science) Recipient:** Heart Failure Society of America, 2008 held in Toronto, Canada.
[3] **Best paper award (Clinical/Preclinical/Translational research category):** Experimental Biology Medicine for 2007.
[4] "**Honors Scholarship**" during PhD course: From Ministry of Education, Culture, Sports, Science and Technology of Japan.
[5] **Percentile score of 90.69** in National level Test-**GATE '99 (Pharmaceutical Sciences)**: Ministry of Human Resource and Development, Govt. of India.

Grants

[1] **$125000 for 18 months:** Research proposal titled "The role of PKC isozymes βII and ε in mast cell activity and in hypertension induced heart failure" was awarded from Stanford Cardiovascular Institute.

[2] Trained and contributed in writing of NIH grants for our lab funding

Teaching Experience:

2008 Taught biochemical techniques to summer student-Eric.

2003-2005 Demonstrator and Teaching Assistant during PhD in Department of Clinical Pharmacology, Niigata University of Pharmacy and Applied Life Sciences, Niigata, Japan. Taught experimental techniques to Bachelor of Pharmacy students.

2002-2003 Lecturer in the Department of Pharmacy, BBDNITM, Affiliated to Uttar Pradesh Technical University, Luzknow, India. Taught pharmacology, anatomy & physiology, and pathophysiology of diseases to Bachelor of Pharmacy students.

1998-1999 Lecturer in Tirupur Kalaimagal College of Pharmacy, Tirupur, TN, India. Taught anatomy & physiology, pharmacology, biochemistry, medicinal chemistry and forensic pharmacy to Diploma in Pharmacy students.

Invited Talks:

[1] Invited as a **guest speaker** for Joint International Conference of the **International Society for Heart Research (Indian Section)** and the International Academy of Cardiovascular Sciences (Indian Chapter) held at Surat (India) 13 -15 Dec 2008

[2] Invited as **guest speaker** for **International Conference on Translational Pharmacology** and 41st Annual Meeting of the Indian Pharmacological Society held at New Delhi on 18-20 Dec 2008

Publications:

[1] **Palaniyandi SS,** Lihan S and Mochly-Rosen. Protein kinase C in heart failure: a therapeutic target? **Cardiovasc Res 2009** May 1;82(2):229-39.

[2] **Palaniyandi SS,** Inagaki K and Mochly-Rosen. Mast cells and εPKC: a role in cardiac remodeling in hypertension-induced heart failure **Journal of Molecular and Cellular Cardiology. 2008** Dec;45(6):779-86.

[3] **Palaniyandi SS,** Nagai Y, Watanabe K and et al. Chymase inhibition reduces the progression to heart failure after autoimmune myocarditis in rats **Experimental Biology and Medicine** 2007 Oct;232(9):1213-21.

[4] **Palaniyandi SS**, Watanabe K, Ma M, Tachikawa H, Kodama M, Aizawa Y. Inhibition of mast cells by interleukin-10 gene transfer contributes to protection against acute myocarditis in rats. **Eur J Immunol**. 2004 Dec; 34(12):3508-15.

[5] **Palaniyandi Selvaraj S**, Watanabe K, Ma M, Tachikawa H, Kodama M, Aizawa Y. Involvement of mast cells in the development of fibrosis in rats with postmyocarditis dilated cardiomyopathy. **Biol Pharm Bull**. 2005 Nov; 28(11):2128-32.

[6] Veeraveedu PT, Watanabe K, Ma M, **Palaniyandi SS**, Yamaguchi K, et al.. Effects of V2-receptor antagonist tolvaptan and the loop diuretic furosemide in rats with heart failure. 2008 Mar 15;75(6):1322-1330.

[7] Thanadavarayan RA, Watanabe K, Ma M, Veeraveedu PT, Gurusamy N, **Palaniyandi SS**, Zhang S et al 14-3-3 Protein regulates Ask1 signaling and protects against diabetic cardiomyopathy" and. **Biochem Pharmacol** 2008 May 1;75(9):1797-806.

[8] Veeraveedu PT, Watanabe K, Ma M, **Palaniyandi SS**, Yamaguchi K, Suzuki K, Kodama M, Aizawa Y. Torasemide, a long-acting loop diuretic, reduces the progression of myocarditis to dilated cardiomyopathy. **Eur J Pharmacol**. 2008 Feb 26;581(1-2):121-31.

[9] Veeraveedu PT, Watanabe K, Ma M, **Palaniyandi SS**, Yamaguchi K, et al. Comparative effects of torasemide and furosemide in rats with heart failure. **Biochem Pharmacol** 2008 Feb 1;75(3):649-59.

[10] Veeraveedu PT, Watanabe K, Ma M, **Palaniyandi SS**, Yamaguchi K, et al. Effects of nonpeptide vasopressin V(2) antagonist tolvaptan in rats with heart failure. **Biochem Pharmacol.** 2007 Nov 15;74(10):1466-75.

[11] Suzuki K, Kawauchi Y, **Palaniyandi SS**, et al., Blockade of interferon-gamma-inducible protein-10 attenuates chronic experimentalcolitis by blocking cellular trafficking and protecting intestinal epithelial cells. **Patrol Int**. 2007 Jul; 57(7):413-20.

[12] Kawaguchi K, Suzuki K, **Palaniyandi SS,** Watanabe S et al.,Role of IFN-γ-inducible protein-10 (IP-10/CXCL10) in the progression of pancreatitis in mice after murine retroviral infection. **American Journal of Physiology-Gastrointestinal and Liver Physiology**. 2006 Aug; 291(2):G345-54

[13] Soga M, Fadia AK, Watanabe K, Ma M, **Palaniyandi SS** et al., Effects of angiotensin II receptor blocker (candesartan) in daunorubicin-induced cardiomyopathic rats **International Journal of Cardiology.** 2006 Jun 28; 110(3):378-85.

[14] Veeraveedu PT, Watanabe K, Ma K, Wahed MII, Gurusamy N**, Palaniyandi SS,** Juan Wen et al., Comparative effects of pranidipine with amlodipine in rats with heart failure induced by autoimmune myocarditis**. Pharmacology**. 2006; 77(1):1-10.

[15] Shirai K, Watanabe K, Ma M, Wahed MI, Inoue M, Saito Y, **Suresh PS**, KashimuraT, et al., Effects of angiotensin-II receptor blocker candesartan cilexetil in rats with dilated cardiomyopathy**. Mol Cell Biochem.** 2005 Jan; 269(1-2):137-42.

[16] Abe Y, Watanabe K, Sato S, Nagai Y, Kamal FA, Wahed MI, Wen J, Narasimman G, Ma M, **Suresh P**, T, Tachikawa H et al., Hemodynamic effects of carvedilol infusion and the contribution of the sympathetic nervous system in rats with heart failure. **Pharmacology**. 2004 Dec; 72(4):213-9.

[17] Watanabe K, Saito Y, Ma M, Wahed M, Abe Y, Hirabayashi K, Narasimman G, Wen J, **Suresh P**, Ali F, et al., Comparative effects of perindopril with enalapril in rats with dilated cardiomyopathy. **J Cardiovasc Pharmacol**. 2003 Dec; 42 Suppl 1:S105-9.

[18] Watanabe K, Abe Y, Sato S, Wahed M, Wen J, Narasimman G, Ma M, Ali F, Saito Y, Suresh P, Shirai K, et al., Contribution of sympathetic nervous system activity during administration of carvedilol in rats with dilated cardiomyopathy. **J Cardiovasc Pharmacol**. 2003 Dec;42 Suppl 1:S93-7.

[19] Watanabe K Ma M, Hirabayashi K, Soga M..,,**Palaniyandi SS,** Prakash P et al., Researches of heart failure using animal models. **Niigata Medical Journal.** volume 119 (5) page 277-283 (Japanese).

[20] Soga M, Watanabe K,….. **Palaniyandi SS,** Prakash P et al., Effect of angiotensin II receptor blocker in rats with daunorubicin-induced myocardial and renal disorders. **Niigata Medical Journal.** volume 119 (6) page 330-335 (Japanese)**.**

Presentations and Scientific Meetings:

- **Palaniyandi SS**, Watanabe K and Mochly-Rosen D, 12th Annual Meeting of Heart Failure Society of America, Oral & Poster, **Toronto, Canada,** Sept 21-24, 2008.

- **Palaniyandi SS**, Mochly-Rosen et al Poster Presentation CVI Retreat, **Stanford, USA** 2007 and 2008.
- **Palaniyandi SS**, Watanabe K, Ma M, et al., Poster presentation. Heart foundation conference, **Sydney, Australia**. March 22-25, 2006.
- **Suresh S. Palaniyandi,** Kenichi Watanabe et al., Poster presentation. Falk Symposium 151, **Sydney, Australia**. March 24-25, 2006.
- **Suresh S Palaniyandi**, Watanabe K et al., Oral Presentation. 28th Annual Meeting of the Japanese working Group. **Hamamatsu, Japan**. July 16-17, 2005.
- **Suresh S Palaniyandi,** Watanabe K et al., Oral Presentation. Joint International Conference of ISHR and IACS, **Ahmedabad, India**. Dec. 31, 2004 to Jan 2, 2005.
- **Suresh S Palaniyandi**, Watanabe K et al., Oral Presentation. Annual Proceedings of Niigata University of Pharmacy and Life Sciences, **Niitsu, Japan**. Dec. 22, 2004.
- **Suresh S Palaniyandi**, Watanabe K et al., Oral Presentation. 27th Annual Meeting of the Japanese working Group, **Osaka-Senri, Japan**. July 17-18, 2004.
- International Conference on Pathophysiology and Drug Therapy of Cardiovascular Disorders held at Punjabi University, Patiala Feb 2001
- **P.S.Suresh**, Manjit Singh et al., Oral Presentation. XXXIII Annual Conference of Indian Pharmacological Society, **Gandhi Nagar, Gujarat, India**. Dec 2000.

Professional Association:

- Peer reviewer for journal **Pharmacology.** Reviewed for Circulation, Journal of Molecular and Cellular Cardiology, Pharmacological Research and American Journal of Physiology
- Life member of International Society of Heart Research (Indian Section) # 045
- Member of Society of Experimental Biology Medicine # 23335 (Year 2008-09)
- Life Member as "Registered Pharmacist" in Tamil Nadu Pharmacy Council, Chennai, India certificate number:4003/A1
- Member in Indian Pharmacological Society (Year 2000-01)

Experimental Skills

- Designing and Performing the Experimental Protocol independently
- Experimental Animal Models of Various Diseases such as Auto Immune Myocarditis, Dilated Cardiomyopathy, Diabetes Mellitus, Colitis and Ischemia Reperfusion Injury
- Primary Neonatal Cardiomyocyte and Cardiac Fibroblast Isolation and Cell Culture Techniques; Peritoneal Mast Cell Isolation and Co-culturing
- Isolated Rat Heart Using Langendorff Apparatus
- In vivo & in vitro Experiments of Various Animal Species including Mice, Rats and Dogs
- Protein Isolation & Estimation, Western Blotting, Immunohistochemical Staining
- Light and Fluorescent Microscopy
- DNA, RNA Isolation and Estimation, RNAse Protection Assay, Handling of Radioisotopes and ELISA, Formulation of Various Dosage Forms
- Flouremetry, Spectrophotometry and Colorimetry
- Histological, Microbiological Experiments, Performed Analytical and Other Chemical Procedures as well as Natural Products Isolation and Quantification
- Statistical Analysis

Reference:
I am happy to provide upon request. Thank you.