

Dr. Poornima Priyadarshini C G

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EDUCATION

DEGREE	YEAR	SUBJECT	UNIVERSITY/INSTITUTION
BSc.Ed	2000	Science Education	Regional Institute of Education, Mysore, Karnataka, India
MSc	2002	Biotechnology	University of Mysore, Karnataka, India
PhD	2008	Biochemistry	Indian Institute of Science, Bengaluru, Karnataka, India

WORK/ RESEARCH EXPERIENCE

Positions held	Name of the Institute	From	To
Scientist	CSIR-CFTRI, Mysore	16 th July 2015	Till date
Scientist	CSIR-CIMAP, Bengaluru	13 th Sept 2012	15 th July 2015
Post-Doctoral fellow	HPI, Hamburg, Germany	25 th Aug 2008	30 th June 2011

AWARDS, SCHOLARSHIPS, FELLOWSHIPS

Name of Award	Awarding Agency	Year
BMBF Post-doctoral Fellowship	Ministry of Education and Research, Germany	2008-2011
Senior Research Fellowship	CSIR-India	2004-2007
Junior Research Fellowship	CSIR-India	2002-2004

Awarded best runner up in oral presentation of work at International symposium on management of vector borne viruses.	ICRISAT, India.	7-10 February 2006
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RESEARCH PUBLICATIONS

1. Schröder M, Kolodzik A, Windshügel B, Krepstakies M, **Priyadarshini P**, Hartjen P, van Lunzen J, Rarey M, Hauber J, Meier C (2016), Linker-Region Modified Derivatives of the Deoxyhypusine Synthase Inhibitor CNI-1493 Suppress HIV-1 Replication. Arch Pharm (Weinheim). 2016 Feb;349(2):91-103
2. M. Schroeder, A. Kolodzik, B. Windshügel, M. Krepstakies, **P. Priyadarshini**, J. Hauber, M. Rarey and C. Meier (2014), In silico Design, Synthesis and Screening of Novel Deoxyhypusine Synthase Inhibitors Targeting HIV-1 Replication, ChemMedChem. 2014 May;9(5):940-52
3. Debojit Guha, **Poornima Priyadarshini C.G.**, Arunima Purakayastha, R.Thippeswamy, M. Lakshmikanth and H.S.Savithri (2013), Novel enzymatic activities in the natively unfolded C4 protein of *Cotton Leaf Curl Kokhran Virus- Dabawali*, *BBA General Studies, Jun;1830(6):3734-44*
4. Lakshmikanth Mariyanna[#], **Poornima Priyadarshini[#]**, Helga Hoffman Sieber, Marcel Krepstakies, Frank Buchholz, Eberhard Hildt, Joachim Hauber (2012), Excision of HIV-1 Proviral DNA by Recombinant Cell Permeable Tre-Recombinase. *PLoS One*, 7(2), e31576. ([PDF](#))
5. Dyshlovoy SA, Naeth I, Venz S, Preukschas M, Sievert H, Jacobsen C, Shubina LK, Gesell Salazar M, Scharf C, Walther R, Krepstakies M, **Priyadarshini P**, Hauber J, Fedorov SN, Bokemeyer C, Stonik VA, Balabanov S, Honecker F (2012), Proteomic Profiling of Germ Cell Cancer Cells Treated with Aaptamine, a Marine Alkaloid with Antiproliferative Activity, *J Proteome Res*. 2012 Apr 6;11(4):2316-30. ([PDF](#))
6. **Poornima Priyadarshini C.G**, Ambika M.V and H.S. Savithri (2011). Functional characterization of Coat protein and V2 involved in cell to cell movement of Cotton Leaf Curl Kokhran Virus-Dabawali, *PLoS One*, 6(11):e26929. ([PDF](#))
7. **Poornima Priyadarshini C.G** and H.S. Savithri (2009). Kinetics of interaction of Cotton Leaf Curl Kokhran Virus-Dabawali (CLCuKV-Dab) coat protein and its mutants with ssDNA. *Virology*, **386**(2):427-37 ([PDF](#))

8. Kirthi N, **Priyadarshini CG**, Sharma P, Maiya SP, Hemalatha, Sivaraman P, Savithri HS (2004). Genetic variability of begomoviruses associated with cotton leaf curl disease originating from India *Arch Virol.* **149** (10): 2047-57 ([PDF](#))
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IMPORTANT COMMUNICATIONS AT CONFERENCES

- i. **Poornima Priyadarshini C G**, S. Klinke, M. Schroeder, A. Kolodzik, B. Windshuegel, M. Rarey, C. Meier, I. Kursula, R. Hilgenfeld, J. Hauber, Targeting the HIV-1 cofactor eIF-5A: Screening and inhibition studies of potential deoxyhypusine synthase inhibitors, **6th IAS Conference on HIV pathogenesis, Treatment and prevention, Rome Italy, 17-20 July, 2011**
- ii. **Lakshmikanth Mariyanna, Poornima Priyadarshini**, Helga Hoffman Sieber, Marcel Krepstakies, Frank Buchholz, Eberhard Hildt, Joachim Hauber, Excision of HIV-1 provirus DNA by cell permeable Tre recombinase. **6th IAS Conference on HIV pathogenesis, Treatment and prevention, 17-20 July, Rome Italy, 2011**
- iii. M. Schroeder, A. Kolodzik, B. Windshuegel, M. Krepstakies, **P. Priyadarshini**, M. Rarey, J. Hauber, C. Meier, Rational Drug Design - Screening and Synthesis of Potential Deoxyhypusine Synthase Inhibitors Targeting HIV-1 Replication, **23rd International Conference on Antiviral Research, San Francisco, CA, USA, 25 – 28 April 2010.**
- iv. **Poornima Priyadarshini C.G.**, Thippeswamy R and Savithri H.S, Functional analysis of coat protein and AV2 protein in the movement of Cotton Leaf Curl Kokhran virus-Dabawali (CLCuKV-Dab), a monopartite begomovirus, **International conference on emerging and reemerging viral diseases of tropics and sub-tropics, at New Delhi, India, 11-15 December 2007**
- v. **Poornima Priyadarshini C.G.** and H.S. Savithri, Specificity of interaction of Cotton Leaf Curl Virus-Dabawali (CLCuKV-dab) coat protein with ssDNA of viral origin *in vitro*, **75th annual meeting of Society of Biological chemists, at Jawahar Nehru University, New Delhi, India, 8-11 December 2006.**
- vi. Work presented on Role of Coat protein and AV2 protein in the cell to cell movement of Cotton Leaf curl Kokhran virus-Dabawali (CLCuKV-Dab), a monopartite Begomovirus, **International symposium on management of vector borne viruses, ICRISAT, India. 7-10 February 2006**
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TEACHING EXPERIENCE

- Course coordinator: Cell Biology/Molecular cell/Tissue biology for Integrated MSc and PhD Course in Nutrition Biology (2015-Present)
 - Course co coordinator: Biochemistry for MSc Food Technology (2016 ó)
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AFFILIATIONS

- Society of biological chemists (SBC)-Life Member, India
 - Indian Science Congress association (ISCA)- Life member, India
 - Association of Food Scientists and Technologists (India)-AFSTI, India
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RESEARCH GRANTS

- PI for Major Laboratory Project CSIR-CFTRI on Bacteriophages
 - Concept- PI 12th Five year plan for the creation of Molecular Nutrition facility on development of bioactive peptides
 - Concept- PI 12th Five year plan for the creation of Molecular Nutrition facility on GRK2 Inhibitors
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INVITED LECTURE

2013- Biotechnology in Health care: from bench to bedsideö organized by Sahyadri Science college, Shimoga, Karnataka

GEN ACCESSION NUMBERS

NC_010148	EU280314	AY664498	AY528559	AY664496	AY664497
AH013913	AY659854	AY659853	AH013912	AY456684	AY456683
AF295401					