

## **EDITOR-IN-CHIEF**

**Dr. Prasad S. Koka ([prasad.koka@novapublishers.com](mailto:prasad.koka@novapublishers.com))**

**National Professor & Visiting Scientist of Virology and Immunology  
Haffkine Institute for Training Research and Testing, Mumbai, India**

**E-mail: [kokaprasad005@gmail.com](mailto:kokaprasad005@gmail.com)**

### **Featured Scientific Article by Dr. Prasad S. Koka**

**“Biomarker Discovery and Biotherapeutics Applications of Photosynthetic Light-Harvesting and Bioluminescence Light-Emitting Chromophore-Protein Complexes in Stem Cell Biology and Regenerative Medicine”**

#### **Open Access Link**

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**(\*SEE EDITOR’S CV BELOW\*)**

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Division of Immunotherapy, Department of Medicine  
Northwestern University Feinberg School of Medicine  
Chicago, Illinois, USA  
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**Dr. Robert E. Donahue  
National Institute of Health  
National Heart, Lung, and Blood Institute  
Rockville, Maryland, USA  
E-mail: [donahuer@nhlbi.nih.gov](mailto:donahuer@nhlbi.nih.gov)**

**Dr. Connie J. Eaves  
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University of British Columbia  
Vancouver, British Columbia, Canada  
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University of Liverpool  
Liverpool, United Kingdom  
E-mail: [dhedgar@liverpool.ac.uk](mailto:dhedgar@liverpool.ac.uk)**

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Biomedicine, Stem Cell & Regenerative Medicine  
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Haining, Zhejiang, China  
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University of Adelaide  
Adelaide, Australia  
E-mail: [stan.gronthos@imvs.sa.gov.au](mailto:stan.gronthos@imvs.sa.gov.au)

**Dr. Jan-Ingvar Jönsson**  
Division of Cell Biology  
Linköping University  
Linköping, Sweden  
E-mail: [janjo@ibk.liu.se](mailto:janjo@ibk.liu.se)

**Dr. Hans Keirstead**  
Reeve-Irvine Research Center  
University of California at Irvine  
Irvine, California, USA  
E-mail: [hansk@uci.edu](mailto:hansk@uci.edu)

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University of Cambridge and Addenbrooke's Hospital  
Trauma and Orthopaedic Surgery  
Cambridge, United Kingdom  
E-mail: [wasimkhan@doctors.org.uk](mailto:wasimkhan@doctors.org.uk)

**Dr. Tomohiko Kisaka**  
Heart Failure Center, Hiroshima University Hospital  
Biodesign School, All India Institute of Medical Sciences  
AIIMS | Hiroshima Uni | IIT Delhi | QUT | Tottori Uni  
E-mails: [tomohiko.2017@biodesign.school](mailto:tomohiko.2017@biodesign.school), [tkisaka@labiomed.org](mailto:tkisaka@labiomed.org)

**Dr. Toshio Kitamura**  
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Tokyo, Japan  
E-mail: [kitamura@ims.u-tokyo.ac.jp](mailto:kitamura@ims.u-tokyo.ac.jp)

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Chief, Division of Experimental Medicine  
University of California at San Francisco  
San Francisco, California, USA  
E-mail: [Mike.McCune@ucsf.edu](mailto:Mike.McCune@ucsf.edu)

**Dr. Michel Puceat**  
INSERM UMR 910  
Faculté de Médecine La Timone  
13885 Marseille, France  
E mail: [michel.puceat@inserm.fr](mailto:michel.puceat@inserm.fr)

**Dr. David Scadden**  
Harvard Department of Stem Cell and Regenerative Biology  
Massachusetts General Hospital  
Boston, Massachusetts, USA  
Email: [dscadden@mgh.harvard.edu](mailto:dscadden@mgh.harvard.edu)

**Dr. Alka Sharma**  
Department of Biotechnology  
Ministry of Science and Technology  
New Delhi, Delhi, India  
E-mail: [alka.dbt@nic.in](mailto:alka.dbt@nic.in)

**Dr. Inger Birgitta Sundell-Ranby**  
Department of Anthropology  
Wayne State University  
Detroit, Michigan, USA  
E-mail: [du2557@wayne.edu](mailto:du2557@wayne.edu)

## **REVIEWERS**

**Bhishma Amlani, Developmental Biology, New York University, New York, USA**  
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**Nan Li, University of Texas Health Science Center, Houston, USA**  
**Liu Liu, Cardiac Surgery Department, University of Michigan, Ann Arbor, USA**  
**Yifei Liu, Yale Stem Cell Center, New Haven, USA**  
**Jie Luo, University of Washington, Seattle, USA**  
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**Bhagat Patlolla, International Technological University, San Jose, USA**  
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**Xue Yu, The Scripps Research Institute, La Jolla, USA**  
**Jinyun Yuan, Saint Louis University School of Medicine, St. Louis, USA**  
**Bing Zhang, Department of Stem Cell and Regenerative Biology, Harvard University, Cambridge, USA**  
**Danhua Zhang, University of California, San Diego, USA**  
**Yu Zhang, The J David Gladstone Institutes, University of California, San Francisco, USA**  
**Qingshi (Erik) Zhao, New Jersey Medical School and Rutgers University, Rutgers, USA**  
**Wei Zhao, The Methodist Hospital Research Institute, Houston, USA**  
**Ting Zhou, Weill Cornell Medical College, New York, USA**  
**Fangfang Zhu, Lorry I. Lokey Stem Cell Research Building, Stanford, USA**  
**Zhe Zhu, Cleveland Clinic Foundation, Lerner Research Institute, Cleveland, USA**  
**Jun Zou, Cardiovascular Research Institute, University of California, San Francisco, USA**

## CURRICULUM VITAE



### DR. PRASAD S KOKA, PHD

National Professor & Visiting Scientist of Virology and Immunology  
Haffkine Institute for Training Research and Testing, Mumbai, India

Editor-in-Chief, *Journal of Stem Cells*, [www.novapublishers.com/JSC](http://www.novapublishers.com/JSC)  
Nova Science Publishers, Hauppauge, New York, United States

Editor-in-Chief, *Stem Cell Biology Research*, [www.hoajonline.com/stemcells](http://www.hoajonline.com/stemcells)  
Herbert Publications, Bedfordshire, United Kingdom

Honorable Editor, *Journal of Human Virology and Retrovirology*, <http://medcraveonline.com/JHVRV>  
MedCrave Group Journals, Edmond, Oklahoma, United States

Honorable Editor, *Hematology & Transfusion International Journal*, <http://medcraveonline.com/HTIJ>  
MedCrave Group Journals, Edmond, Oklahoma, United States

Editorial Board, *Current HIV Research*, [chivr@benthamscience.org](mailto:chivr@benthamscience.org)  
Bentham Science Publishers, Oak Park, Illinois, United States

Editorial Board, *Molecular Biology and Genetic Engineering*, <http://www.hoajonline.com/molbiolaeneteng>  
Herbert Publications, Bedfordshire, United Kingdom

Editorial Board, *Current Research in Stem Cell and Regenerative Medicine*, [crscrm@kenkyugroup.co.uk](mailto:crscrm@kenkyugroup.co.uk)  
Kenkyu Publishing Group, Hyderabad, India

Editorial Board, *Journal of Stem Cell Research & Regenerative Medicine*,  
<http://enlivenarchive.org/stem-cell-research-regenerative-medicine.php>. Enliven Archive

Editorial Board, *Indian Journal of Case Reports*  
Atharva Scientific Publications, Bhopal, India

Editorial Board, *ARC Journal of Surgery (AJS)*  
ARC Publications Pvt Ltd, Ongole, India

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## TRANSLATIONAL R & D ✦ BIOMEDICAL SCIENCES ✦ STEM CELLS ✦ REGENERATIVE MEDICINE

*Applications of mesenchymal stem cells in regenerative medicine: (1) their potential role in the increased half-life of cardiomyocytes, (2) latest technologies of FCXM and HLA matching in organ transplantation, and (3) in the formation or curtailment of cancer stem cells from embryonic stem cells differentiation*

*Pre-clinical Translational Humanized In Vivo Mouse Model Systems - NOD/SCID-hu Mice (Human Fetal Thymus/Liver Conjoint Organ Growth +/- Autologous CD34 Cell Engrafted), Generation of Cancer Stem Cells using these Chimeric Humanized Mice In Vivo/Ex Vivo and In Vitro, Gene and Drug Therapy for Rescue from Hematopoietic Cell Dysfunction in HIV Infection, Safer and Greater Efficacy Drug for HIV Replication and Rescue of Hematopoiesis, Molecular Factors, Mechanisms and Therapies of Hematological Disorders in HIV Infection and in Mother to Child Transmission of HIV Infection, Host Cellular Factors in HIV Induced Hematological Disorders, Role of microRNA and its characterization in this context*

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## PROFESSIONAL EXPERIENCE

**HAFFKINE INSTITUTE FOR TRAINING RESEARCH AND TESTING, MUMBAI, INDIA, 2014 – Present**

*National Professor & Visiting Scientist of Virology and Immunology*

*Hematological disorders in HIV infection; Generation and characterization of cancer stem cells in vitro*

**GENELUX CORPORATION, SAN DIEGO, CALIFORNIA, USA, 2011–2012**

*Chief Advisor for Stem Cell Biology and Oncolytic Viral Therapy*

*Targeted delivery of candidate anti-tumor drugs via vaccinia virus recombinants using humanized mouse model systems*

**HAFFKINE INSTITUTE FOR TRAINING RESEARCH AND TESTING, MUMBAI, INDIA, 2010 – 2015**

*Professor of Virology and Immunology, Haffkine Institute, Mumbai*

*Isolation of placental cells for role of host factors in HIV mediated indirect effects such as in mother to child transmission of HIV infection – potential role of putative cellular factors – Characterization of cellular host or viral factors in HIV induced hematopoietic inhibition - Government of India funded*

**AVESTHAGEN PVT LTD, BANGALORE, INDIA, 2007 – 2009**

*Chief Scientific Officer and Head – Cancer Stem Cells*

*Directed differentiation of pluripotent stem cells into hepatocytes and their amplification*

**TORREY PINES INSTITUTE FOR MOLECULAR STUDIES, SAN DIEGO, CALIFORNIA, USA, 2004-2010**

*Associate Member/Professor and Head of Laboratory of Stem Cell Biology, Division of Immunology, Molecular Genetics and Cell Biology*

*Role of c-Mpl in HIV-1 induced cytopenias – US NIH R0-1 funded – gene therapy, lentivirus transduction, humanized mice, rescue of hematopoiesis; generation and characterization of cancer stem cells in vivo in humanized severe combined immunodeficient (SCID-hu) mice*

**DAVID GEFFEN SCHOOL OF MEDICINE, UNIVERSITY OF CALIFORNIA, LOS ANGELES, CALIFORNIA, USA, 1989 – 2004**

*Associate Researcher, Department of Molecular & Medical Pharmacology, 2002 – 2004*

*Mechanisms of HIV-1 induced hematopoietic inhibition – California HIV/AIDS Research Program funded – gene targeting in humanized mice*

*Assistant Research Virologist, Department of Microbiology, Immunology and Molecular Genetics, 2000 – 2002*

*In vitro tissue culture design for hepatitis C virus and co-culture with HIV-1 – UCLA AIDS Institute funded – work patented*

*Assistant Research Biologist, Division of Hematology-Oncology, Department of Medicine, 1995 – 2000*

*Establishment of inhibition of hematopoiesis in HIV-1 infection in vivo in humanized mice and in vitro in cell culture; humanized mice are generated by the transplantation of the thymus/liver tissues under the kidney capsule of the severe combined immunodeficient mice, SCID-hu – Elizabeth Glaser Pediatric AIDS Foundation Scholar Award funded*

*Assistant Research Neurologist, Department of Neurology, 1992 – 1995*

*Cytokine secretion by human brain tissue derived microglia and astrocytes following infection with HIV-1 envelope protein gp120/160/41-vaccinia virus recombinants as mechanisms for AIDS dementia – National Institute of Mental Health – NIH funded*

*Assistant Research Immunologist, Histocompatibility / Immunogenetics Center, Department of Surgery / Pathology, 1989 – 1992*

*Donor-recipient histocompatibility antigens matching for human organ transplantation – University of California Medical Center Clinical Services funded*

**DANA FARBER CANCER INSTITUTE, HARVARD MEDICAL SCHOOL, BOSTON, MASSACHUSETTS, USA, 1985 – 1989**

*Instructor in Pathology, Harvard Medical School, Division of Pediatric Oncology, 1988 – 1989*

*Research Fellow in Pathology, Harvard Medical School, Divisions of Immunogenetics and Pediatric Oncology, 1985 – 1988*

*Transcriptional regulation of human CD4 expression by HIV-1 Tat protein; transcriptional regulation of the human T-cell immune response antigens by murine retroviral sequences – Leukemia Society of America Special Fellowship funded*

**MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT), CAMBRIDGE, MASSACHUSETTS, USA, 1983 – 1985**

*Postdoctoral Associate, Center for Cancer Research, Department of Biology*

*Tissue tropism of the Moloney and Friend murine retroviral transcriptional enhancer sequences in causing thymic and erythro leukemias respectively*

**COLD SPRING HARBOR LABORATORY, COLD SPRING HARBOR, NEW YORK, USA, 1981 – 1983**

**Postdoctoral Fellow, Bacteriophage Mu ( $\mu$ ) Laboratory**

*Molecular characterization of the Mu transposition proteins at the genomic and protein levels*

**BROOKHAVEN NATIONAL LABORATORY, UPTON, NEW YORK, USA, 1979 – 1981**

**Research Associate, Department of Biology**

*Involvement of ATP as a cofactor in the DNA repair mechanism of the photoreactivating enzyme of Escherichia coli*

**UNIVERSITY OF GEORGIA, ATHENS, GEORGIA, USA, 1977 – 1979**

**Postdoctoral Fellow, Department of Biochemistry and Molecular Biology**

*Identification and characterization of the light emitter in the bioluminescent bacterium Photobacterium phosphoreum as the riboflavin precursor, 6,7-dimethyl-8-ribityl lumazine, from which riboflavin (vitamin B2) is known to be generated by action of riboflavin synthase*

**TEXAS TECH UNIVERSITY, LUBBOCK, TEXAS, USA, 1973 – 1977**

**Doctoral Degree Graduate Student and Part-time Instructor (Biochemistry; General Chemistry; Organic Chemistry)**

*PhD degree dissertation produced the characterization of energy transfer and molecular topology of a unique biological fluorescence label, peridinin-chlorophyll a-protein (PerCP) from marine dinoflagellates, which has subsequently been used in applications for detection of antigens that is now widely used in flow cytometry (FACS) with PerCP labeled antibody binding to target molecules on the mammalian cell surface – Robert A. Welch Foundation Pre-doctoral Fellowship funded*

**UNIVERSITY OF MISSOURI, COLUMBIA, MISSOURI, USA, 1970 – 1973**

**Master's Degree Graduate Student and Teaching Assistant (General Chemistry; Organic Chemistry)**

*Master's degree thesis on the photosensitizer properties of flavin mononucleotide and its photoreduction*

**UNIVERSITY OF MIAMI, CORAL GABLES, FLORIDA, USA, 1969 – 1970**

**Master's Degree Graduate Student and Teaching Assistant (General Chemistry; Organic Chemistry)**

*Gaseous phase ultraviolet light photochemistry*

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## ACADEMIA

**1977 PhD** (Major – Biochemistry: Minor - Physical Chemistry: Degree - Doctorate), **Texas Tech University, Lubbock, Texas, USA, 1973-1977**

*Doctoral dissertation dealt with energy transfer from the carotenoid, peridinin, to chlorophyll a, in a unique biological fluorescence label, peridinin-chlorophyll a-protein (PerCP), for antibodies that is now widely used in flow cytometry for detection of antibody binding to target molecules on the cell surface.*

**1973 AM** (Major - Physical Chemistry: Degree - Master of Arts - Chemistry), **University of Missouri, Columbia, Missouri, USA, 1970-1973**

*Master's degree thesis dealt with photoreduction of flavin mononucleotide (FMN)*

**1969-70 Master's Degree Graduate Student** (Major - Physical Chemistry), **University of Miami, Coral Gables, Florida, USA**

**1967-69 Master's Degree Graduate Student** (Major - Analytical Chemistry), **Osmania University, Hyderabad, India**

**1967 BSc** (Majors - Chemistry, Physics, Mathematics), Degree - Bachelor of Science, **Osmania University, Hyderabad, India, 1964-1967**

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## AWARDS / GRANTS

- Ministry of Science & Technology, Department of Biotechnology (DBT), India, since 2010
  - American Society of Hematology Award of Excellence, 2007
  - National Institutes of Health (NIH), National Heart Lung and Blood Institute (NHLBI), USA, 2004 – 2010
  - California HIV/AIDS Research Program (CHRP), USA, 2002 – 2004
  - University of California Los Angeles (UCLA) AIDS Institute, USA, 2000 – 2001
  - Elizabeth Glaser Pediatric AIDS Foundation Scholar, USA, 1996 – 1999
  - National Institutes of Health (NIH), National Institute of Mental Health (NIMH), USA, 1992 – 1995
  - Leukemia Society of America Special Fellow, USA, 1985 – 1987
  - Robert A. Welch Foundation Pre-doctoral Fellow, USA, 1975 – 1977
-



## HONORS/COMMITTEES/JOURNALS

- Presided the session on Bioluminescence & Chronobiology, 9th Annual Meeting, American Society for Photobiology, Asilomar, California, 1979
- Selected speaker at the Biannual International Congress on Photobiology, Strasbourg, France, 1980
- Invited speaker at Centre for Cellular and Molecular Biology, Hyderabad, India, 1982
- Invited speaker at National Institute of Immunology, New Delhi, India, 1982
- Invited speaker at Indian Institute of Science, Bangalore, India, 1982
- Selected speaker at the 5<sup>th</sup> HLA and Histocompatibility Workshop, Les Avants, Switzerland, 1986
- Invited speaker, University of Wisconsin, Madison, USA, 1989
- Invited speaker, National Institutes of Health, Bethesda, Maryland, USA, 1989
- Invited speaker, Hoffman LaRoche, Nutley, New Jersey, USA, 1989
- Invited speaker, University of Tulane Medical Center, New Orleans, Louisiana, USA, 1989
- Invited speaker at Centre for Cellular and Molecular Biology, Hyderabad, India, 1992
- Selected speaker at the Biannual International Congress on Transplantation and Immunogenetics, Paris, France, 1992
- Invited speaker, Louisiana State University Medical Center, New Orleans, USA, 1993
- Invited speaker at M D Anderson Cancer Center, Houston, Texas, 1993
- Plenary Session Speaker at the Annual University of California Los Angeles (UCLA) AIDS Symposium, 1993
- Invited speaker at International Centre for Genetic Engineering and Biotechnology, New Delhi, India, 2003
- Invited speaker at Centre for Cellular and Molecular Biology, Hyderabad, India, 2003
- Honorary Member, International Advisory Council, SVYASA University, Bangalore, India, since 2003
- Editor-in-Chief, *Journal of Stem Cells*, indexed on PubMed/Medline, Nova Science Publishers, New York, since its inception in 2005, Journal Website: [www.novapublishers.com](http://www.novapublishers.com)
- Reviewer, Scottish Executive Health Department, Edinburgh, United Kingdom, 2005 – 2006
- Reviewer, AIDS Vaccines and Immunology Special Emphasis Panel, Center for Scientific Review, National Institutes of Health, USA, 2006
- Inclusion in the 9th Edition of Marquis Who's who in Science and Engineering, 2006 – 2007
- Reviewed for the *Journal of Clinical Investigation*, 2006
- Member, Peer Review Committee, American Heart Association, Western Review Consortium, 2006 – 2010
- Submitted industrial-academic grant proposals between Avesthagen and University College London (UCL) to SC4SM. SC4SM = Stem Cells for Safer Medicines (UK), 2007
- Member, Organizing Committee, The Stem Cell Partnering Series, Vancouver, British Columbia, Canada, 2007
- American Society of Hematology: Award of Excellence May 1, 2007 for significant contribution to the field of Hematology
- Inclusion in the 62nd Edition of Marquis Who's Who in America, 2008
- Inclusion in the 25th Edition of Marquis Who's Who in the World, 2008
- Reviewed for the journal *Tuberculosis* and *The Journal of Infectious Diseases*, 2008
- Invited to the California HIV/AIDS Research Program (CHRP) stakeholder input meetings as part of their ongoing [strategic planning process](#), San Francisco, CA, 2008
- Member, Advisory Board, The Stem Cell Partnering Series, Vancouver, British Columbia, Canada, 2009
- Session Moderator for the Fostering Business Collaborations Sessions, Stem Cell Partnering Series 2nd Annual Meeting, La Jolla, CA, 2009
- Reviewed for the journals *Acta Hematologica* and *Current HIV Research*, 2010
- Invited to review grants for the Italian Ministry of Health, 2010
- Editorial Board Member, *World Journal of Virology*, Beijing, China, 2011 – 2015
- External reviewer of doctoral dissertation in the field of hematological malignancies for University of Calcutta, India
- Invitation to meet the Karger Publishers CEO, Ms. Gabriella Karger- S. Karger AG, Medical and Scientific Publishers, Basel, Switzerland, 2012
- Reviewer for *International Journal of Yoga (IJOY)*, 2011 – 2012
- Listed in 2012 by BioMedLib ([www.BioMedLib.com](http://www.BioMedLib.com)) as 1 in top 20 Articles published on the same topic. Placental membrane as a source of mesenchymal stem cells. Sundell IB, Koka P. *J Stem Cells*; 2010; 5(2):83-88.
- Standing reviewer for the journal *Current HIV Research* published by Bentham Science Publishers (USA), 2012 – Present
- Chairman, Institutional Committee for Stem Cell Research and Therapy (IC-SCRT at Merisis Therapeutics (DiponEd BioIntelligence LLP, Bangalore), with approval from Indian Council for Medical Research National Apex Committee for Stem Cell Research and Therapy (ICMR NAC-SCRT), 2012 – Present
- Editorial Board Member, *Journal of Sexually Transmitted Diseases*, Hindawi Publishing Corporation, New York, 2012 – Present

- Reviewer for the journal *Human Gene Therapy* published by Mary Ann Liebert Publishers (USA), 2013 – Present
- My/our 2010 paper in *Virology* (doi:10.1016/j.virol.2010.03.005) has been featured in 2013 on the use of CD34 antibodies (clones QBEND/10 and AC136) webpage of The #1 Antibody Resource, [http://www.antibodyresource.com/rateproduct/doi/10.1016/j.virol.2010.03.005/pkoka\\_at\\_tpims.org](http://www.antibodyresource.com/rateproduct/doi/10.1016/j.virol.2010.03.005/pkoka_at_tpims.org)
- Reviewed for the *World Journal of Gastroenterology*, 2013
- Invited Continuing Medical Education (CME) lecture at Fortis Hospital, Bangalore, March 2013
- Invitations from the journals, “Hematology and Leukemia” (Herbert Publications, UK); “Virology: Research and Treatment” (Libertas Academica la-press.com); “Virology Discovery” (Herbert Publications, UK); “Immunological Reviews” and “Current HIV Research” (Bentham Science Publishers, USA) to submit manuscripts for publication
- The #1 Antibody Resource: Featured in 2013 my/our 2010 paper in *Virology* (doi:10.1016/j.virol.2010.03.005 ) on the use of CD38 antibodies (clone IB6) webpage [http://www.antibodyresource.com/rateproduct/doi/10.1016/j.virol.2010.03.005/pkoka\\_at\\_tpims.org](http://www.antibodyresource.com/rateproduct/doi/10.1016/j.virol.2010.03.005/pkoka_at_tpims.org)
- Reviewed for the *World Journal of Virology*, 2013
- Re-listed in 2013 by BioMedLib ([www.BioMedLib.com](http://www.BioMedLib.com)) as our paper continues to be 1 in top 20 Articles published on the same topic. Placental membrane as a source of mesenchymal stem cells. Sundell IB, Koka P. *J Stem Cells*; 2010; 5(2):83-88.
- Editorial Board Member, *Current HIV Research*, [www.benthamscience.com/chivr](http://www.benthamscience.com/chivr) Bentham Science Publishers, USA, [chivr@benthamscience.org](mailto:chivr@benthamscience.org) 2013 – Present
- Reviewer for the journal, *Stem Cells International*, Hindawi Publishing Corporation, New York, 2013 – Present
- Consultant on induced pluripotent stem cells (iPSC) for Guidepoint Global, New York, USA
- Invited to review grants for the Italian Ministry of Health, 2013
- Editorial Board Member, for the journal, *Stem Cell Biology and Research*, Herbert Publications, United Kingdom, 2013
- Identified as a leader based on publications in the scientific literature, role in the field and the recommendations of colleagues in the field, by a global management consultancy (whose confidentiality is being maintained but can be communicated), on perceptions of the pharmaceutical industry's medical activities. As health systems seek reform, they were interested in my opinions on the value of non-promotional interactions with the industry, 2013, New Jersey, USA
- Listed in 2013 by BioMedLib ([www.BioMedLib.com](http://www.BioMedLib.com)) as 1 in top 20 Articles published on the same topic. Sundell IB, Cortado RV, Koka PS: Sulfatide--a new candidate for ART treatment in HIV-1 infection. *J Stem Cells*; 2012; 7(1):61-72. PMID: 23550344.
- Editorial Board Member, INTERNATIONAL JOURNAL OF AIDS & ITS RESEARCH (IJAR), Nuclei Online Publishers (NOP), Quincy, Massachusetts, USA, <http://www.nucleionline.org/international-journal-of-aids-its-research/>, 2013 – Present
- Editorial Board Member, for the journal, *Molecular Biology and Genetic Engineering*, Herbert Publications, United Kingdom, 2013 – Present
- Editorial Board Member for the journal, *Archives of Cytology*, Herbert Publications, United Kingdom, 2013 – Present
- According to Carina Paraiso, Frontiers Editorial Project Manager (<http://www.frontiersin.org/>, [twitter.com/FrontiersIn](https://twitter.com/FrontiersIn)) Lausanne, Switzerland, our article "Placental membrane as a source of mesenchymal stem cells", published by “Sundell IB and Koka PS” in “Journal of Stem Cells”, highlights content that would be ideal to serve as a foundation for a **Frontiers Research Topic** These community-driven article collections provide a forum to promote scientific discussion, and can be updated yearly to incorporate the latest research. Frontiers has partnered with Nature Publishing Group which shares their vision of a researcher-driven open-science platform. Communicated to Dr. Sundell on May 19, 2014.
- Invited Continuing Medical Education (CME) lecture at Bangalore Medical College, Bangalore, June 2014
- Editorial Board Member, Journal, *Stem Cell Biology Research*, Herbert Publications, UK, 2014
- Frontiers, an open-access publishing partner of Nature Publishing Group sought proposals for Frontiers Research Topics, in particular for their section on **Stem Cell Treatments** in the journal *Frontiers in Cell and Developmental Biology*, 23 Sep 2014
- Editorial Board Member, Indian Journal of Case Reports, Atharva Scientific Publications, Bhopal, India, 2014 – Present
- Our article [Sundell IB, Cortado RV, Koka PS. Sulfatide ~ a new Candidate for ART treatment in HIV-1 infection. *J Stem Cells* 2012; 7(1): 61-72] was ranked 8<sup>th</sup> in the top 20 articles of [www.WIPIMD.com](http://www.WIPIMD.com): Communicated on Oct 16, 2014 <http://sign-up.wipimd.com/urlu8c?srk=efe260f8296d1adaff076ecbce23d1126e58430a836cf77e6c6f95feab817709>
- Editor-in-Chief, *Stem Cell Biology Research*, Herbert Publications, Regd. Off: Bedfordshire, United Kingdom; Editorial Off: Hyderabad, India, 2014 – Present, Journal Website: [www.hoajonline.com/stemcells/](http://www.hoajonline.com/stemcells/)
- Editorial Member, *Asian Pacific Journal of Microbiology Research*, Academic Research Publishers, UK, 2014
- Editorial Board Member, *International Journal of Virology and AIDS*, Lewes, Delaware, USA, 2014 [editorialoffice.ijva@clinmedlibrary.com](mailto:editorialoffice.ijva@clinmedlibrary.com)
- Organizing Committee - Advisory Committee, International Conference on Translational Medicine in 21<sup>st</sup> Century “Stem Cell Transplantation: Current Status” April 11-14, 2015, Bhopal, India



- Honorable Editor, Journal of Human Virology and Retrovirology, [MEDCRAVEONLINE.COM](http://MEDCRAVEONLINE.COM) \* JHVRV \* MedCrave Group, Danforth Road, Edmond, Oklahoma, USA, 2015 – Present, <http://medcraveonline.com/JHVRV/editorial-board>
- Our paper “Ligament and Tendon Repair through Regeneration Using Mesenchymal stem cells” (published in “Current stem cell research & therapy.2015 10(1):84-88”) has been selected to be featured in the issue of *World Biomedical Frontiers*, because of its innovation and potential for significant impact. *World Biomedical Frontiers* [ISSN: 2328-0166] focuses on cutting-edge biomedical research from around the globe. Their website receives more than 8,000 visits per month from an international audience of academic and industrial researchers and developers, providing greater opportunity for our results to be recognized and appreciated, Year 2015
- *Frontiers Research Topics* noticed that our Review “Adult Mesenchymal Stem Cells and their potency in the Cell-Based Therapy” published in Journal of Stem Cells 2013; 8(1): 1-16” published in Journal of Stem Cells 2013; 8(1): 1-16 has already received 8 citations as communicated by [Catriona Christodoulou](http://www.frontiersin.org) on 10 August 2015 [www.frontiersin.org](http://www.frontiersin.org) | [twitter.com/FrontiersIn](https://twitter.com/FrontiersIn) Lausanne, Switzerland. Frontiers have pioneered the use of article-level metrics, which allows them to keep an eye on the “rising star” articles — even those of other publishers, which underscores the wide-ranging and growing interest for this work.
- Editor, *Journal of Virology and Current Research*, Juniper Publishers, Ontario, California, USA, August 2015 – Present, <http://juniperpublishers.com/index.php>, [virology@juniperpublishers.org](mailto:virology@juniperpublishers.org), [virology@juniperpublishers.us](mailto:virology@juniperpublishers.us)
- Honorary Life Member, Society of Regenerative Medicine *SRMORG.IN* 2015
- Editorial Board Member, ARC Journal of Surgery (AJS), ARC Publications Pvt Ltd, Hyderabad, India, Since November 2015
- Editorial Board Member, Kenkyu in Stem Cell and Regenerative Medicine, Kenkyu Group, Hyderabad, India, Since November 2015, [http://www.kenkyuonline.org/Journal\\_58\\_Kenkyu-in-Stem-Cell-and-Regenerative-Medicine](http://www.kenkyuonline.org/Journal_58_Kenkyu-in-Stem-Cell-and-Regenerative-Medicine)
- Adjudicator of PhD dissertation in Biotechnology, Sri Venkateswara Institute of Medical Sciences (SVIMS, TTD) University, Tirupati, India, 2016
- Invited speaker at Akanksha Hospital & Research Institute (AHRI), Anand, Gujarat, India, July 2016
- Invited speaker at P D Patel Institute of Applied Sciences, Charotar University of Science & Technology (CHARUSAT), Changa-Anand, Gujarat, India, July 2016
- Honorable Editor, Hematology & Transfusion International Journal, MEDCRAVEONLINE.COM \* HTIJ \* MedCrave Group, Danforth Road, Edmond, Oklahoma, USA, October 2016 – Present, <http://medcraveonline.com/HTIJ/editorial-board>
- Invitation to deliver a talk at the “International Conference on Atomic and Nuclear Physics” during November 17-18, 2016 at Atlanta, USA
- Invitation to be the speaker under Video Presentation category at “8<sup>th</sup> World Congress on Virology” during November 28-30, 2016 at San Antonio, USA. Theme “Exploring Novel Approaches in Virology”
- Invitation to be Organizing Committee Member at “4th Global Applied Microbiology Summit” during SEP 18-20, 2017 at Dallas, USA. THEME - “One platform to gather world renowned Microbiologists”. Microbiology 2017, PULSUS Medical Meetings. PULSUS - Established in 1984 and headquartered in London, UK, [cmesociety.com](http://cmesociety.com)
- Invitation to be a Speaker/Delegate, for the conference “Global Summit and Expo on Proteomics”, Valencia, Spain, November 09-11, 2017. This year adopted theme “Translating proteomics technologies from modern Life science”.
- Invitation as a Speaker in the international quest “3rd World Congress & Expo on Oncology and Radiology” (Oncology & Radiology-2017), December 04-06, 2017, San Francisco, USA. This year adopted theme “Latest Invention and Discoveries in Oncology & Radiology”.
- EMINENT SPEAKER invitation by PULSUS Group, “4th World Applied Microbiology Summit” during September 18-20, 2017 at San Antonio, Texas, USA.
- On the behalf of International Association of Advanced Materials (IAAM, [www.iaaonline.org](http://www.iaaonline.org)), invitation to submit abstracts for the 8th anniversary of Advanced Materials World Congress (AMWC, [www.vbripress.com/amwc17](http://www.vbripress.com/amwc17)), Singapore. The congress will be host on the Strait of Malacca - Conference Center, Mariner of the Seas, Royal Caribbean Cruise Ship, sailing from Singapore - Penang (Malaysia) – Singapore during 04 - 08 February 2018.
- Invited as an Organizing Committee Member for the International Hematologists Summit (HIS - 2018), May 21-22, 2018 held at Valencia, Spain, <http://www.scientificfederation.com/hematologists-summit-2018/>
- Invitations from The Athens Institute for Education and Research (ATINER), a world association of academics and researchers based in Athens, organizes the following two panels-streams on "Stem Cells": A Stream on “Stem Cells” as part of the 6th Annual International Conference on Health & Medical Sciences, 7-8 May 2018, Athens, Greece. A Stream on “Stem Cells Biology” as part of the 4th Annual International Conference on Biology, 25-26 June 2018, Athens, Greece.

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## PATENT

In Vitro Tissue Culture Assay to Screen Potential Drugs for HCV, University of California (UC) Case No. 2001-067-1 (Hepatitis C Virus), approved in February 2007 in USA.

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## PUBLICATIONS (Chronological Order)

1. Song PS, Koka P, Prezelin BB, Haxo FT. Molecular topology of the photosynthetic light-harvesting pigment complex, peridinin-chlorophyll *a*-protein from marine dinoflagellates. *Biochemistry* 1976; 15: 4422-4427.
2. Koka P, Song PS. The chromophore topography and binding environment of peridinin-chlorophyll *a*-protein from marine dinoflagellate algae. *Biochim Biophys Acta* 1977; 495: 220-231.
3. Koka P, Song PS. Protection of chlorophyll *a* by carotenoid from photodynamic decomposition. *Photochem Photobiol* 1978; 28:509-515.
4. Lee J, Koka P. Purification of blue fluorescence protein from the bioluminescent bacterium *Photobacterium phosphoreum*. *Methods in Enzymology* 1978; 57: 226-234.
5. Koka P, Lee J. Separation and structure of the prosthetic group of the blue fluorescence protein from the bioluminescent bacterium *Photobacterium phosphoreum*. *Proc Natl Acad Sci USA* 1979; 76: 3068-3072.
6. Small ED, Koka P, Lee J. Lumazine protein from the bioluminescent bacterium *Photobacterium phosphoreum*. Purification and characterization. *J Biol Chem* 1980; 255: 8804-8810.
7. Lee J, Carreira LA, Gast R, Irwin RM, Koka P, Small ED, Visser AJWG. Properties of a lumazine protein from the bioluminescent bacterium *Photobacterium phosphoreum*. *Bioluminescence and Chemiluminescence*, 1981; 103-112, Academic Press, New York.
8. Koka P. Stimulation of *Escherichia coli* DNA photoreactivating enzyme activity by adenosine 5'-triphosphate. *Biochemistry* 1984; 23: 2914-2922.
9. Koka P, Yunis J, Passarelli AL, Dubey DP, Faller DV, Yunis EJ. Increased expression of CD4 molecules on Jurkat cells mediated by human immunodeficiency virus Tat protein. *J Virol* 1988; 62:4353-4357.
10. Koka P, Cecka JM. Sensitization and crossmatching in renal transplantation. *Clinical Transplants* 1989; 379-390.
11. Koka P, Cecka JM. Sex and age effects in renal transplantation. *Clinical Transplants* 1990; 437-446.
12. Koka P, van de Mark K, Faller DV. Trans-activation of genes encoding activation-associated human T-lymphocyte surface proteins by murine retroviral sequences. *J Immunol* 1991; 146:2417-2425.
13. Lim EC; Chia D, Gjertson DJ, Koka P, Terasaki PI. In vitro studies to explain high renal allograft survival in IgA nephropathy patients. *Transplantation* 1993; 55:996-999.
14. Koka P. Anti-HLA antibodies: Detection and effect on renal transplant function. *Transplant Proc* 1993; 25: 243-244.
15. Koka P, Chia D, Terasaki PI, Chan H, Chia J, Ozawa M, Lim E. The role of IgA anti-HLA Class I antibodies in kidney transplant survival. *Transplantation* 1993; 56: 207-211.
16. Koka P, He K, Camerini DC, Tran T, Yashar SS, Merrill JE. The mapping of HIV-1 gp160 epitopes required for interleukin-1 and tumor necrosis factor  $\alpha$  production in glial cells, *J Neuroimmunol* 1995; 57:179-191.
17. Koka P, He K, Zack JA, Kitchen S, Peacock W, Fried I, Tran T, Yashar SS, Merrill JE. Human immunodeficiency virus 1 envelope proteins induce interleukin 1, tumor necrosis factor  $\alpha$ , and nitric oxide in glial cultures derived from fetal, neonatal, and adult human brain. *J Exp Med* 1995; 182: 941-952.
18. Koka P, Merrill JE. The putative role of HIV-1 envelope proteins in the neuroimmunology and neuropathology of CNS AIDS. *Immunology of HIV Infection*, Ed: Gupta S, Plenum Press, New York, 1996; 417-435.
19. Withers-Ward ES, Amado R, Koka PS, Jamieson BD, Kaplan AH, Chen ISY, Zack JA. Transient renewal of thymopoiesis in HIV infected human thymic implants following antiviral therapy. *Nature Med* 1997; 3: 1102-1109.
20. Koka PS, Fraser JK, Bryson Y, Bristol GC, Aldrovandi GM, Daar ES, Zack JA. Human immunodeficiency virus type 1 inhibits multilineage hematopoiesis in vivo. *J Virol* 1998; 72: 5121-5127.
21. Amado RG, Koka P, Zack JA. Modeling precursor cell gene therapy and HIV pathogenesis in the SCID-hu mouse. *Cancer Res Ther Cont* 1998; 7: 43-47.
22. Koka PS, Jamieson BD, Brooks DG, Zack JA. Human immunodeficiency virus type-1 induced hematopoietic inhibition is independent of productive infection of progenitor cells in vivo. *J Virol* 1999; 73: 9089-9097.
23. Uittenbogaart CH, Boscardin WJ, Anisman-Posner DJ, Koka PS, Bristol G, Zack JA. Interleukin-2 and Interferon- $\gamma$  delay depletion of immature thymocytes after infection with HIV-1 in vivo. *AIDS* 2000; 14: 1317-1325.
24. Koka PS, Brooks DG, Razai A, Kitchen CM, Zack JA. HIV-1 infection alters cytokine mRNA expression in the thymus. *AIDS Res Hum Retr* 2003; 19: 1-12.
25. Koka PS, Reddy ST. Cytopenias in HIV infection: Mechanisms and alleviation of hematopoietic inhibition. *Curr HIV Res* 2004; 2: 275-282.
26. Koka PS, Kitchen CM, Reddy ST. Targeting c-Mpl for revival of human immunodeficiency virus type 1-induced hematopoietic inhibition when CD34+ progenitor cells are re-engrafted into a fresh stromal microenvironment in vivo. *J Virol* 2004; 78: 11385-11392.
27. Brooks DG, Cohen M, Jamieson BD, Poon B, Kitchen SG, Chow SA, Chen ISY, Zack JA, Koka PS. Rapid size dependent deletion of foreign gene sequences inserted into HIV-1 upon infection *in vivo*: Implications for vaccine development. *Curr HIV Res* 2005; 3: 377-392.
28. Sundell IB, Koka PS. Thrombocytopenia in HIV infection: Impairment of platelet formation and loss correlates with increased c-Mpl and ligand thrombopoietin expression. *Curr HIV Res* 2006; 4: 106-117,
29. Koka PS. Foreword: Stem Cells. *J Stem Cells* 2006; 1: p iii.

30. Yunis EJ, Zuniga J, Koka PS, Husain Z, Romero V, Stern JNH, Fridkis-Hareli M. Stem cells in aging: Influence of ontogenic, genetic and environmental factors. *J Stem Cells* 2006; 1(2): 125-147.
31. Sundell IB, Koka PS. Chimeric SCID-hu Model as a Human Hematopoietic Stem Cell Host that Recapitulates the Effects of HIV-1 on Bone Marrow Progenitors in Infected Patients. *J Stem Cells* 2006; 1(4): 283-300.
32. Yunis EJ, Romero V, Diaz-Giffero F, Zuniga J, Koka P. Natural killer cell receptor NKG2A/HLA-E interaction dependent differential thymopoiesis of hematopoietic progenitor cells influences the outcome of HIV infection. *J Stem Cells* 2007; 2(4): 237-248.
33. Koka PS, Khanna A. Foreword: A compendium on latest developments in stem cell research and cell therapy applications. *J Stem Cells* 2009; 4(2): 81-82.
34. Zhang M, Poh TY, Louache F, Sundell IB, Yuan J, Evans S, Koka PS. Rescue of multi-lineage hematopoiesis during HIV-1 Infection by human *c-mpl* gene transfer and reconstitution of CD34+ progenitor cells *in vivo*. *J Stem Cells* 2009; 4(3): 161-177.
35. Zhang M, Evans S, Yuan J, Ratner L, Koka PS. HIV-1 determinants of thrombocytopenia at the stage of CD34+ progenitor cell differentiation *in vivo* lie in the viral envelope gp120 V3 loop region. *Virology* 2010; 401(2):131-136. **This Article, doi: 10.1016/j.virol.2010.03.005, has been "Featured on Antibody Resource" <http://www.antibodyresource.com/search/antibodies/d52f4526-80a5-14f4-1241-11a6a9394170/CD38>**
36. Zhang M, Dias P, Minev B, Koka PS. Induction, isolation and characterization human fetal hematopoietic cancer stem cells *in vivo*. *J Stem Cells* 2010; 5(1): 1-7.
37. Sundell IB, Halder R, Zhang M, Maricic I, Koka PS, Kumar V. Sulfatide administration leads to inhibition of HIV-1 replication and enhanced hematopoiesis. *J Stem Cells* 2010; 5(1): 33-42.
38. Yuan J, Devarajan A, Moya-Castro R, Zhang M, Evans S, Bourquard N, Dias P, Lacout C, Vainchenker W, Reddy ST, Koka PS. Putative innate immunity of antiatherogenic paraoxonase-2 via STAT5 signal transduction in HIV-1 infection of hematopoietic TF-1 cells and in SCID-hu mice. *J Stem Cells* 2010; 5(1): 43-48.
39. Sundell IB, Koka PS. Placental membrane as a source of mesenchymal stem cells. *J Stem Cells* 2010; 5(2): 83-88. **[Listed in 2012 by BioMedLib ([www.BioMedLib.com](http://www.BioMedLib.com)) as rank 1 in top 20 Articles published on the same topic. Re-listed in 2013 by BioMedLib ([www.BioMedLib.com](http://www.BioMedLib.com)) as our paper continues to rank 1 in top 20 Articles published on the same topic.]**
40. Bhargav H, Nagarathna R, Nagendra HR, Tekur P, Koka PS. Potential yoga modules for treatment of hematopoietic inhibition in HIV-1 infection. *J Stem Cells* 2010; 5(3): 129-148.
41. Sundell IB, Cortado RV, Koka PS. Sulfatide ~ a new Candidate for ART treatment in HIV-1 infection. *J Stem Cells* 2012; 7(1): 61-72. **[Listed in 2013 by BioMedLib ([www.BioMedLib.com](http://www.BioMedLib.com)) as rank 1 in top 20 Articles published on the same topic. Ranked 8 in the top 20 articles of [www.WIPIMD.com](http://www.WIPIMD.com) Oct 2014.]**
42. Bhargav H, Huilgol V, Metre K, Sundell IB, Tripathi S, Nagarathna R, Jadhav M, Raghuram N, Nagarathna R, Nagendra HR, Koka PS. Evidence for extended age dependent maternal immunity to virus in infected children: mother to child transmission of HIV infection and potential interventions including role of sulfatides of the human fetal adnexa and complementary or alternative medicines. *J Stem Cells* 2012; 7(3): 127-153.
43. Bhargav H, Metri K, Nagarathna R, Nagendra HR, Koka PS. Enhancement of cancer stem cell susceptibility to conventional treatments through complementary yoga therapy: possible cellular and molecular mechanisms. *J Stem Cells* 2012; 7(4): 261-267.
44. Ram A, Nagarathna R, Rao RM, Bhargav H, Koka PS, Tripathi S, Raghuram NV, Kodaganur GS, Nagendra HR. Development and validation of a need based integrated yoga program for cancer patients: a retrospective study. *J Stem Cells* 2012; 7(4): 269-282.
45. Das M, Sundell IB, Koka PS. Potency of adult mesenchymal stem cells in the cell based therapy. *J Stem Cells* 2013; 8(1): 1-16. **This article has been cited in [Role of ECM/peptide coatings on SDF-1 \$\alpha\$  triggered mesenchymal stromal cell migration from microcarriers for cell therapy](#) Levato, R., Planell, J.A., Mateos-Timoneda, M.A., Engel, E. *Acta Biomaterialia* volume 18, issue , year 2015, pp. 59 – 67. *Frontiers Research Topics* noticed that this Review of ours has already received 8 citations as communicated by [Catriona Christodoulou](#) [www.frontiersin.org](http://www.frontiersin.org), [twitter.com/FrontiersInLausanne](https://twitter.com/FrontiersInLausanne), Switzerland, on 10 August 2015. *Frontiers* have pioneered the use of article-level metrics, which allows them to keep an eye on the "rising star" articles — even those of other publishers, which underscores the wide-ranging and growing interest for this work.**
46. Metri K, Bhargav H, Chowdhury P, Koka PS. *Ayurveda* for chemo-radio therapy related side effects in cancer patients. *J Stem Cells* 2013; 8(2): 115-130.
47. Duggal R, Minev B, Geissinger U, Wang H, Chen NG, Koka PS, Szalay AA. Biotherapeutic approaches to target cancer stem cells. *J Stem Cells* 2013; 8(3/4): 135-150.
48. Ramdass B, Chowdhary A, Koka PS. Hematological malignancies: disease pathophysiology of leukemic stem cells. *J Stem Cells* 2013; 8(3/4): 151-188.
49. Ramdass B, Duggal R, Minev B, Chowdhary A, Koka PS. Functional role of solid tumor stem cells in disease etiology and susceptibility to therapeutic interventions. *J Stem Cells* 2013; 8(3/4): 189-232.
50. Ramdass B, Chowdhary A, Koka PS. Cancer initiating cells as target for prevention of recurring disease etiology: role of these malignant putative progenitor cells in relapse or metastasis of human cervical carcinoma. *J Stem Cells* 2013; 8(3/4): 233-251.

51. Koka PS. Biomarker Discovery and Biotherapeutics Applications of Photosynthetic Light-Harvesting and Bioluminescence Light-Emitting Chromophore-Protein Complexes in Stem Cell Biology and Regenerative Medicine. *J Stem Cells* 2014; 9(3): 127-133.
52. Ramdass B, Koka PS. Ligament and tendon repair through regeneration using mesenchymal stem cells. *Curr Stem Cell Res Ther* 2014; 10(1):84-88, 2014 Oct 2 [Epub ahead of print]. [This paper has been selected to be featured in the issue of *World Biomedical Frontiers*, because of its innovation and potential for significant impact. *World Biomedical Frontiers* [ISSN: 2328-0166] focuses on cutting-edge biomedical research from around the globe. This website receives more than 8,000 visits per month from an international audience of academic and industrial researchers and developers, providing greater opportunity for our results to be recognized and appreciated.] Year 2015
53. Govindappa M, Sadananda TS, Channabasava, Ramachandra YL, Chandrappa CP, Padmalatha RS, Koka PS. *In vitro* and *in vivo* antidiabetic activity of lectin (N-acetyl-galactosamine, 64 kDa) isolated from endophytic fungi, *Alternaria* species from *Viscum album* on alloxan induced diabetic rats. *Integr Diabetes Obesity* 2015; 1(1): 11-19, doi: 10.15761/IOD.1000104
54. Kulkarni A, Govindappa MC, Ramachandra YL, Koka P. GC-MS analysis of methanol extract of *Cassia fistula* and *in vitro* anticancer activity on prostate cancer cell line. *Indo Amer J Pharm Res* 2015; 5(2): 937-944.
55. Kulkarni A, Govindappa M, Channabasava, Chandrappa CP, Ramachandra YL, Koka PS. Phytochemical analysis of *Cassia fistula* and its *in vitro* antimicrobial, antioxidant and anti-inflammatory activities. *Adv Med Plant Res* 2015; 3(1): 8-17.
56. Bansal H, Bansal A, Kachhap MN, Chowdhary A, Koka PS. Therapeutic application of bone marrow derived stem cells in a patient with methanol induced blindness. *J Stem Cells* 2015; 10(1): 1-11.
57. Koka PS. Potential Safer Drug for Containment of Lentivirus Infection and Ensuing Cytopenias: Necessity of Clinical Trials in Control and Infected Patients. *J Hum Virol Retr Virol (JHVRV)* 2015; 2(4): 00050. DOI: 10.15406/jhvr.2015.02.00050
58. Rao KS, Chakrabarti SK, Dongare VS, Chetana K, Ramirez CM, Koka PS, Deb KD. Antiaging Effects of an Intensive Mind and Body Therapeutic Program through Enhancement of Telomerase activity and Adult Stem Cell Counts. *J Stem Cells* 2015; 10(2): 107-125.
59. Bansal H, Chaparia Y, Agrawal A, Koka PS. Reversal of methanol induced blindness in adults by autologous bone marrow mononuclear stem cells: a case-series. *J Stem Cells* 2015; 10(2): 127-139.
60. Ramdass B, Koka PS. Supplementary: Ligament and Tendon Repair through Regeneration Using Mesenchymal Stem Cells" (published in "Current stem cell research & therapy 2015 10(1):84-88") *World Biomedical Frontiers* [ISSN: 2328-0166] 2015
61. Koka PS, Pavithra V. The Role of Poietins in the Alleviation of Cytopenias in HIV Infection. *J Hum Virol Retr Virol (JHVRV)* 2015; 2(5): 00055. DOI: 10.15406/jhvr.2015.02.00055
62. Srikruthi N, Deb KD, Koka PS. An introduction to stem cells. [www.thinkscience.in](http://www.thinkscience.in)
63. Koka PS. Degeneration vs Regeneration. *J Stem Cells* 2015; 10(3): 157-158.
64. Padmanabhan U, Chowdhary AS, Dahake R, Koka PS. Vaccines against HIV. *J Virol Curr Res* 1(1): JVCR.MS.ID.555554 (2015)
65. Koka PS. Efficacy of modern drugs against recurrence of hepatitis C virus (HCV) in co-infected HIV infected patients. *J Virol Curr Res* 1(2): JVCR.MS.ID.555557 (2015)
66. Bhargav H, Srinivasan TM, Varambally S, Gangadhar BN, Koka PS. Effect of Mobile Phone Induced Electro-magnetic Field on Brain Hemodynamics and Human Stem Cell Functioning: Possible Mechanistic Link to Cancer Risk and Early Diagnostic Value of Electro-photonic Imaging. *J Stem Cells* 2015; 10(4): 287-294.
67. Koka PS. HIV and HCV: Intractability of Vaccine Development. *CuttingEdge* 2016; 5(11): 9-12 <http://www.spincotech.com/ebook/march2016/>
68. Verma P, Bansal H, Agrawal A, Leon J, Sundell IB, Koka PS. Evaluation of bone marrow processing protocol for therapeutic applications via culture and characterization of mesenchymal stem cells. *J Stem Cells* 2016; 11(1): 3-13.
69. Bansal H, Singh L, Agrawal A, Leon J, Sundell IB, Koka PS. Therapy with bone marrow derived autologous adult stem cells in quadriplegia due to motor neuron disease. *J Stem Cells* 2016; 11(1): 15-23.
70. Bansal H, Verma P, Agrawal A, Leon J, Sundell IB, Koka PS. A short study report on bone marrow aspirate concentrate cell therapy in ten South Asian Indian patients with autism. *J Stem Cells* 2016; 11(1): 25-36.
71. Bansal H, Singh L, Verma P, Agrawal A, Leon J, Sundell IB, Koka PS. Administration of Autologous Bone Marrow derived Stem Cells for Treatment of Cerebral Palsy Patients: A Proof of Concept. *J Stem Cells* 2016; 11(1): 37-49.
72. Bansal H, Verma P, Agrawal A, Leon J, Sundell IB, Koka PS. Autologous bone marrow derived stem cells in spinal cord injury. *J Stem Cells* 2016; 11(1): 51-61.
73. Nandeesh N, Janardhan K, Subramanian V, Ashtekar AB, Srikruthi N, Koka PS, Deb KD. Treatment of AVN using Autologous BM Stem Cells and Activated Platelet derived Growth Factor Concentrates. *J Stem Cells* 2016; 11(3): 135-148.
74. Jyothi NS, Koka PS. Need for *in vivo* triggering of homeostasis to repair irreversible tissue degeneration by stem cells through innate and invasive regenerative processes. *J Stem Cells* 2016; 11(3): 171-179.
75. Koka PS. Mesenchymal stem cells in androgenic alopecia: hair loss regeneration. *J Stem Cells* 2016; 11(4): 181-182.



76. James R, Chetry R, Subramanian V, Ashtekar A, Srikruthi N, Ramachandran S, Koka PS, Deb KD. Platelet-rich Plasma Growth Factor concentrated spray (Keratogrow<sup>®</sup>) as a Potential Treatment for Androgenic Alopecia. *J Stem Cells* 2016; 11(4): 183-189.
77. James R, Chetry R, Subramanian V, Ashtekar A, Srikruthi N, Ramachandran S, Koka PS, Deb KD. Platelet-rich Plasma as a Potential Treatment for Androgenic Alopecia. *J Stem Cells* 2016; 11(4): 191-199.
78. Mahapatra S, Subramanian V, James R, Deb KD, Koka PS. Follicular Transection Rates in Follicular Unit Extraction Method. *J Stem Cells* 2017; 12(1): 1-6.
79. Koka PS, Sundell IB Padmanabhan U, Minev B, Setzer TJ, Chowdhary A. Potential Origins of Cancer Stem Cells in the Disease Evolution and its Etiology. *J Stem Cells* 2017; 12(1): 25-31.
80. Koka PS. Vertical Transmission of Virus Infections – Placenta as Facilitator or Inhibitor. *J Hum Virol Retr Virol (JHVRV)* 2017; 5(3); 00152.
81. Koka PS, Chowdhary A. Assessment of necessity of transfusions in vector-borne primary and secondary infections. *Hematol Transfus Intl J (HTIJ)* 2017; 4(5): 00097.
82. Bansal H, Comella K, Leon J, Verma P, Agrawal D, Koka P, Ichim T. Intra-articular Injection in the Knee of Adipose Derived Stromal Cells (Stromal Vascular Fraction) and Platelet Rich Plasma for Osteoarthritis. *J Transl Med* 2017; 15(1): 141 doi: 10.1186/s12967-017-1242-4.
83. Koka PS, Jyothi NS. Lineage origins and precursors of cancer stem cells. *CHARUSAT JOURNAL* 2017; 1(1): 123-126.
84. Jyothi NS, Koka PS. A Concept of Inducing Innate Regeneration through Cell Free Regenerative Medicine - A Possible Therapeutic Approach for the Ischemic Cerebrovascular Insult. *J Stem Cells* 2017; 12(3): 113-132.
85. Koka PS. Need for Improved Contrast Dyes to Prevent Life-Threatening Consequences. *Hematol Transfus Intl J (HTIJ)* 2017; in press.
86. Koka PS. The often overlooked deleterious malignant effects of mesenchymal stem cells. *Curr Res Stem Cell Regen Med*. Manuscript in preparation.
87. Padmanabhan U, Dahake R, Chowdhary A, Koka PS. HIV-1 inhibits multi-lineage hematopoiesis via microRNA host factors secreted by infected CD4+ T cells. Manuscript in preparation.
88. Koka PS, Palep HS, Bichile S, Chowdhary A, Lele RD. Thalassemia in Adult Patients: Allogeneic CD34+ Progenitor Cells for Increased Success Rate in Hematopoietic Stem Cell Transplantation. Manuscript in preparation.

EDITED BOOKS, Editor: Koka PS, Nova Science Publishers, New York, USA

- Developments in Stem Cell Research (2008)  
[https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=6889](https://www.novapublishers.com/catalog/product_info.php?products_id=6889)
- Leading-Edge Stem Cell Research (2008)  
[https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=6778](https://www.novapublishers.com/catalog/product_info.php?products_id=6778)
- Progress in Stem Cell Research (2008)  
[https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=6340](https://www.novapublishers.com/catalog/product_info.php?products_id=6340)
- Stem Cell Research Progress (2008)  
[https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=6843](https://www.novapublishers.com/catalog/product_info.php?products_id=6843)
- Stem Cells Research Compendium, Volume 1 (2008)  
[https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=7222](https://www.novapublishers.com/catalog/product_info.php?products_id=7222)
- Stem Cells Research Compendium, Volume 2 (2008)  
[https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=7268](https://www.novapublishers.com/catalog/product_info.php?products_id=7268)
- Human Mesenchymal and Embryonic Stem Cells (2011)  
[https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=22629](https://www.novapublishers.com/catalog/product_info.php?products_id=22629)
- Stem Cell Research Advancements (2011 3rd Sep)  
[https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=22690](https://www.novapublishers.com/catalog/product_info.php?products_id=22690)
- Stem Cell Therapy and Uses in Medical Treatment (2011 3rd Sep)  
[https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=22693](https://www.novapublishers.com/catalog/product_info.php?products_id=22693)
- Stem Cells in Disease (2012)  
[https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=34691](https://www.novapublishers.com/catalog/product_info.php?products_id=34691)
- Stem Cells - Mediated Regeneration (2016)  
[https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=59941](https://www.novapublishers.com/catalog/product_info.php?products_id=59941)