

CURRICULUM VITAE

1. Personal Details:



Swati Ghosh, MSc, PhD

- Current Position: **Research Instructor** (August 2023 – Present)
- Dept of Pediatrics, School of Medicine, University of Colorado, Anschutz Medical Campus, Anschutz Medical Campus, Aurora-CO-80045.
- Email: swati.ghosh@cuanschutz.edu
- Topic: **Improvement of the understanding of molecular mechanisms underlying Liver disease (Cholestasis) associated inflammation and its therapy:** Molecular Mechanism of Liver disease with inflammation. We are focusing in inflammatory and anti-inflammatory macrophages in respect to hepatic inflammation and its therapy (Agonist-based therapy and Gene therapy).
- **Role of Exosome in liver disease. Exosome based therapy.**

2. Education

- **Postdoctoral Fellow:** (January 2017 – June 2021): Dept. of Pediatrics, School of Medicine, University of Colorado Denver - Anschutz Medical Campus, CO, USA. **Molecular mechanisms of Liver disease associated with parenteral nutrition and its therapy: Our** studies demonstrated that molecular and inflammatory responses are modified in parenteral nutrition associated liver cholestasis in context of nuclear receptor.
- **Postdoctoral Fellow:** (January 2015 - Jan 2017): Dept. of Pediatrics, School of Medicine, University of Colorado Denver - Anschutz Medical Campus, CO, USA. **Targetting Epigenetic Regulator in MYC driven Medullablastoma (pediatric brain cancer):** Amplification or overexpression of the poor prognostic cMYC oncogene driven medulloblastoma was strongly associated with an aggressive tumor behavior. Our studies demonstrate that targeting of cMYC by epigenetic regulators was a potential strategy for possible therapy (Gene therapy and small molecules-based therapy).
- **Independent Study:** (2013-2014): Studied paper, developed reviews Maternity leave, Baby Care. I took off from research for raising my newborn baby.
- **Visiting Fellow:** (May 2010–August 2012): NIEHS/ NIH, NC, USA. **Epigenetic Mechanism of Gene regulation in Maintenance of mouse Embryonic Stem Cell identity:** We studied how transcriptional regulators and epigenetic modifiers regulate gene expression programs during embryonic stem cell development and differentiation. I experimentally characterized the regulatory elements of several transcription factors involved in mouse embryonic stem cell differentiation.
- **Research Scientist:**(2009-2009), Centre for Cellular and Molecular Biology (CCMB), Hyderabad, India. **Analysis of Rat Brain Proteome during postnatal development:** In CCMB, I studied on gene expression and proteome analysis of rat brain cerebellum during postnatal days. There I have completed a paper, which is under preparation.
- **Doctoral Degree:** (2003-2008) Ph.D., Biochemistry and Molecular Biology, Zoology, Biochemistry & Molecular Biology Laboratory, Banaras Hindu University, India **Thesis Project:**

Molecular mechanism of Aging Brain and role of Steroid Nuclear Receptor: Our work identified Estrogen receptor alpha interacting proteins during mouse aging brain based on sex and age. Specifically, we have discovered 5 estrogen receptor alpha interacting proteins that played a role in aging in a ligand specific manner. We also identified 4 estrogen receptor alpha interacting proteins involved during aging without ligand specific manner.

- **M.Sc.** Zoology (Specialization: Mammalian Reproductive Physiology), Banaras Hindu University, India (2002).
- **B.S.** Zoology (Hons), University of Calcutta, India. (1999)

3. Academic appointments

- 2023-Present: Research Instructor (University of Colorado, USA)
- 2021-2023: Research Associate (University of Colorado, USA)
- 2017-2021: Postdoctoral Fellow (University of Colorado, USA)
- 2015-2017: Postdoctoral Fellow (University of Colorado, USA)
- 2010-2012: Visiting Fellow (NIEHS/NIH, USA)
- 2009-2010: Research Scientist (CCMB, India)
- 2003-2008: PhD student (BHU, India)

4. Honors, special Recognitions and Awards

- **Selected for funding in pediatric liver disease** by Children Liver Research and Education Network (ChiLDReN)/NIDDK Pilot feasibility Grant (June 2023-May 2024).
- **Selected for funding in pediatric liver disease** by CCTSI Child and Maternal Health Pilot Grant Program (CMH-Pilot) Grant (May 2022-April 2023).
- Nominated as one out of ten possible awards winners for The Annual Alex Mowat Prize for the best oral abstract in Hepatology (ESPGHAN 2022, Copenhagen, Denmark)
- Nominated as one out of ten possible awards winners for The Annual Alex Mowat Prize for the best oral abstract in Hepatology (WCPGHAN 2021, Austria, Vienna)
- Best of the Liver Meeting's summary slide in the pediatric Hepatology category, 2020 By American Association for Study of Liver Diseases (AASLD)
- Poster of Distinction, 2019 by AASLD Liver Meeting, Boston, USA
- Winner of Thomas D Boyer ---**Young Investigator Award for Outstanding Research in Basic Science of Hepatology**, 2018 by American Association for Study of Liver Diseases (AASLD)
- Best of The Liver Meeting's summary slide deck in the Pediatric Hepatology category, 2018 by American Association for Study of Liver Diseases (AASLD), Liver Meeting
- Postdoc of the Month (December 2018) Selected by University of Colorado Denver Postdoctoral Association and published in POSTDOC DIGEST, UC DENVER.
- **Winner of Fellows Award for Research Excellence (FARE)**, (2012-2013) from National Institutes of Health, USA.
- Qualified NET-JRF (UGC) in Life Sciences in CSIR-UGC-NET December 2002 Examination a. Awarded Junior Research Fellowship (2003) of UGC-CSIR -UGC-NET (India).
- Awarded Senior Research Fellowship in Life Sciences (2005) of UGC-CSIR -UGC-NET (India).
- Qualified Graduate Aptitude Test in Engineering, (subject- Life Sciences) India (GATE-2002).

5. Certifications

- **Regulatory Affair Training for Drug Development from Duke University (2020)**
- Project Management Essentials: Management and Strategy Institute, LLC, USA (2020)
- Project Management training (2016)
- Team Building (2016)

6. Membership in professional organizations

- Life Member, Society of Neurochemistry (SNCI, India)
- Life Member, Association of Gerontology, India
- American Association for Study of Liver Diseases (AASLD)

7. Major Committee and Service Responsibilities

- Serve as a Judge in Graduate Experience for Multicultural Students (GEMS), University of Colorado Anschutz Medical Campus (2023).
- Serve as a Judge in Graduate Experience for Multicultural Students (GEMS), University of Colorado Anschutz Medical Campus (2021).
- Award Committee member of Postdoctoral association of university of Colorado for PDRD 2020
- Serve as a Judge in Graduate Experience for Multicultural Students (GEMS), University of Colorado Anschutz Medical Campus (2019).
- Participate in applications Review Committee for Gates Summer Internship Program, University of Colorado Anschutz Medical Campus (2019).
- Serve as Judge in Summer Internship Program (GSIP) 2019 Poster Session
- Serve as Judge in Summer Internship Program (GSIP) 2018 poster session.
- Serve as Judge in Summer Internship Program (GSIP) 2016 Poster Session

8. Review and Referee work

- ❖ Serve as reviewer for journals professional societies or scientific meetings; Total 40 papers.
- ❖ Molecular Biology Report
- ❖ Cancer Group
- ❖ Biological Sciences
- ❖ Journal of Molecular Neurosciences
- ❖ Clinical Epigenetics

9. Invited extramural lectures, presentations and visiting professorships.

- November 2023 American Association for Study of Liver Diseases (AASLD), STAT3 signaling mediates FXR agonist protection in acute cholangiopathy model (Boston, USA).
- November 2022 American Association for Study of Liver Diseases (AASLD), HNF4 α antagonist prevents parenteral nutrition associated cholestasis in mice by inhibiting NF κ B signaling (Washington DC, USA).

- June 2022, World Congress of Pediatric GI, Hepatology and Nutrition Conference (ESPGHAN), LRH-1 agonist (DLPC) prevents macrophage activation and parenteral nutrition associated cholestasis in mice (Copenhagen. Denmark). Not presented.
- June 2021, World Congress of Pediatric GI, Hepatology and Nutrition Virtual Conference (WCPGHAN), Stat3-Signaling May Mediate Protective Effect for FXR agonist in Parenteral Nutrition–Associated Cholestasis (Austria. Vienna).
- November 2020 American Association for Study of Liver Diseases (AASLD), Virtual Conference, Stat3-Signaling May Mediate Protective Effect for FXR agonist in Parenteral Nutrition–Associated Cholestasis
- May 2019 Digestive Disease Week, LRH-1 agonist has anti-inflammatory properties that alleviate LPS effect during parental nutrition associated cholestasis (San Diego, USA)
- Nov 2018 American Association for Study of Liver Diseases (AASLD), NFkB Suppression of LRH-1 and Subsequent ABCG5/8 Suppression Are Involved in the Pathogenesis of Parenteral Nutrition Associated Cholestasis (San Francisco, USA).
- May 2017 Children Hospital Colorado, Suppression of hepatocyte canalicular sterol transporter ABCG5/8 enhances the inhibitory effects of phytosterols on FXR Signaling (Aurora, USA).
- Oct 2017 University of Colorado Denver, Postdoc Association, Aurora, Targeting WD repeat containing protein 5 (WDR5) in cMyc-driven Medulloblastoma (Aurora, USA).
- Sept 2016 University of Colorado Denver, Role of WD repeat containing protein 5 in MYC Driven Medulloblastoma (Aurora, USA).
- June 2014 University of North Carolina, Meta Analysis reveals candidate genes for mESC identity and Tet1 dependent 5-hydroxymethylcytosine levels impairs LIF/Stat3 signaling Chapel Hill, USA).
- April 2013 University of North Carolina Research Institute, The role of Tet1 in the maintenance of mouse embryonic stem cell identity (Kannapolis, USA).
- July 2012 University of North Carolina, Chapel Hill, The role of Tet1 in the maintenance of mouse embryonic stem cell's identity.
- April 2010 University of Massachusetts, Inter-action of estrogen receptor alpha with nuclear proteins of aging Mice. (Amherst, USA)
- April 2010 Mount Sinai Hospital, Role of estrogen receptor alpha interacting nuclear proteins during aging Mice (New York, USA).

11. Grant support

- Principal Investigator successfully obtained from Children Liver Research and Education Network (ChiLDReN)/NIDDK Pilot feasibility Grant (June 2023-May2024). **Use of LRH-1 agonists as pharmacological intervention to treat pediatric Primary sclerosing cholangitis (cholangiopathy DDC) model through activation of LRH-1 signaling.** (USA)
- Principal Investigator successfully obtained CCTSI Child and Maternal Health Pilot Grant Program (CMH-Pilot) Grant (May 2022-April 2023). **Use of FXR agonists as pharmacological intervention to treat pediatric cholestasis through activation of STAT3 pathway.**(USA)
- Awarded Research Fellowship and Contingency Grant in Life Sciences (2003-2008) by UGC-CSIR-NET (India).

12. Bibliography

1. **Ghosh Swati**, Devereaux MW, Cuining Liu, Sokol RJ. LRH-1 agonist DLPC through STAT6 promotes macrophage polarization and prevents parenteral nutrition associated cholestasis in mice. **Hepatology** 2023 (In Press)
2. **Ghosh Swati**, Devereaux MW, Orlicky DJ, Sokol RJ. Pharmacologic inhibition of HNF4a prevents parenteral nutrition-associated cholestasis in mice. **Scientific Reports**. 2023 May 12; 13(1):7752.
3. **Ghosh Swati**, Devereaux MW, Anderson AL, El Kasmi KC, Sokol RJ. STAT3 role in the protective effect of FXR agonists in parenteral nutrition associated cholestasis. **Hepatology Communications** 2023;7:e0056.
4. **Ghosh Swati**, Devereaux MW, Anderson AL, Gehrke S, Reisz JA, D'Alessandro A, Orlicky DJ, Lovell M, El Kasmi KC, Shearn CT, Sokol RJ. NF-kappaB Regulation of LRH-1 and ABCG5/8 Potentiates Phytosterol Role in the Pathogenesis of Parenteral Nutrition-Associated Cholestasis. **Hepatology** 2021;74(6):3284-300.
5. **El Kasmi KC**, **Ghosh Swati**, Anderson AL, Devereaux MW, Balasubramaniyan N, D'Alessandro A, Orlicky DJ, Suchy FJ, Shearn CT, Sokol RJ. Pharmacologic activation of hepatic farnesoid X receptor prevents parenteral nutrition-associated cholestasis in mice. **Hepatology** 2022;75(2):252-65. Bold letter: Co-first authors.
6. Jo JR, An S, **Ghosh Swati**, Nedumaran B, Kim YD. Growth hormone promotes hepatic gluconeogenesis by enhancing BTG2-YY1 signaling pathway. **Scientific Reports**. 2021 Sep 23; 11(1):18999. PMID: 34556771.
7. Jo JR, Lee SE, An S, Nedumaran B, **Ghosh Swati**, Park KG, Kim YD. Gluconeogenic signals regulate hepcidin gene expression via a CRBN-KLF15 axis. **BMB Reports**. 2021 04; 54(4):221-226. PMID: 33795032.
8. El Kasmi KC, Vue PM, Anderson AL, Devereaux MW, **Ghosh Swati**, Balasubramaniyan N, Fillon SA, Dahrenmoeller C, Allawzi A, Woods C, McKenna S, Wright CJ, Johnson L, D'Alessandro A, Reisz JA, Nozik-Grayck E, Suchy FJ, Sokol RJ (2018) Macrophage-derived IL-1 β /NF- κ B signaling mediates parenteral nutrition-associated cholestasis. **Nature Communications**. 2018 Apr 11; 9 (1): 1393
9. **Ghosh Swati**¹ Freudenberg JM¹, Lackford B L¹, Yellaboina S, Zheng X, Li R, Cuddapah S, Wade PA, Hu G, Jothi R (2011) Acute depletion of Tet1-dependent 5-hydroxymethylcytosine levels impairs LIF/Stat3 signaling and results in loss of embryonic stem cell identity. **Nucleic Acids Research**, 1–14. (¹Co-first authors)
10. Cinghu S, Yellaboina S, Freudenberg JM, **Ghosh Swati**, Zheng X, Oldfield AJ, Lackford BL, Zaykin DV, Hu G, Jothi R (2014) Integrative framework for identification of key cell identity genes uncovers determinants of ES cell identity and homeostasis. **PNAS**. 111(16): E1581–E1590.
11. Thakur M.K. & **Ghosh Swati** (2010) GST tagged Mouse Estrogen Receptor Transactivation Domain Fusion Protein is specifically Degraded during its Overexpression in E. coli and Purification. **Molecular Biology Reports**. 37(3): 1335-40.
12. **Ghosh Swati** & Thakur M.K. (2009) Age-dependent decreases in the interaction of beta tubulin with estrogen receptor alpha transactivation domain in mouse brain. **Neuroscience Letters**, 464(3) 218-221.

13. **Ghosh Swati** & Thakur M.K. (2009) Interaction of estrogen receptor alpha ligand binding domain with nuclear proteins of aging mouse brain. **Journal of Neuroscience Research**. 87 (11) 2591- 2600.
14. **Ghosh Swati** & Thakur M.K. (2009) Interaction of Estrogen Receptor alpha transactivation domain with nuclear proteins of mouse brain: p68 RNA helicase shows age and sex specific change. **Journal of Neuroscience Research**. 87(6) 1323-1328.
15. Thakur M.K. & **Ghosh Swati** (2009) Interaction of Estrogen receptor alpha transactivation domain with MTA1 decreases in old mouse brain. **Journal of Molecular Neuroscience**. 37 (3) 269-273.
16. **Ghosh Swati** & Thakur M.K. (2008) Tissue-specific expression of receptor interacting protein in aging mouse. **Age (Dordr)** 30(4) 237-243.
17. **Ghosh Swati** & Thakur M.K. (2008). Overproduction of mouse estrogen receptor alpha ligand binding domain decreases bacterial growth. **Molecular Biology Reports**.35(4) 589-594.

Conference abstracts:

1. **S Ghosh**, M W. Devereaux, AL Anderson, D Orlicky, RJ. Sokol. STAT3 signaling mediates FXR agonist protection in th acute cholangiopathy model. Hepatology (Suppl), 1st October AASLD Liver meeting 2023.
2. **S Ghosh**, M W. Devereaux, AL Anderson, D Orlicky, RJ. Sokol. STAT3 signaling mediates FXR agonist-induced intestinal FGF15/19 regulates FXR signaling in liver in lithocholic acid diet-induced acute cholangiopathy mouse model. Hepatology (Suppl), 1st October AASLD Liver meeting 2023.
3. **S Ghosh**, M W. Devereaux, KC El Kasmi, RJ. Sokol. Cell-specific expression of HIF1 α enables FXR agonist-mediated protection from parenteral nutrition-associated cholestasis. Hepatology (Suppl), 1st October AASLD Liver meeting 2023.
4. **S Ghosh**, M W. Devereaux, D Orlicky, RJ. Sokol. HNF4 α antagonist prevents parenteral nutrition associated cholestasis in mice by inhibiting NF κ B signaling. Hepatology (Suppl), 1st October AASLD Liver meeting 2022.
5. **S Ghosh**, M W. Devereaux, C Liu, RJ. Sokol. LRH-1 Agonist (DLPC) Prevents Macrophage Activation and Parenteral Nutrition Associated Cholestasis in Mice. Hepatology (Suppl), 1st October AASLD Liver meeting 2021.
6. **S Ghosh**, AL Anderson, MW. Devereaux, KC. El Kasmi, RJ. Sokol. Stat3-Signaling May Mediate Protective Effect for FXR agonist in Parenteral Nutrition–Associated Cholestasis WCPGHAN 2021.
7. **S Ghosh**, AL Anderson, MW. Devereaux, KC. El Kasmi, RJ. Sokol. Stat3-Signaling May Mediate Protective Effect for FXR agonist in Parenteral Nutrition–Associated Cholestasis AASLD Liver Meeting 2020.
8. **S Ghosh**, AL Anderson, MW. Devereaux, RJ. Sokol. Targeting HNF4a in NF κ B-activated Parenteral Nutrition–Associated Cholestasis. Hepatology (Suppl), AASLD Liver Meeting 1st October 2019. AASLD Liver Meeting.
9. **S Ghosh**, MW. Devereaux, AL Anderson, RJ. Sokol. LRH-1 agonist has anti-inflammatory properties that alleviate LPS effect during parental nutrition associated cholestasis. Gastroenterology (Suppl), 2019, 1st May 2019, vol.156. Pages S-1214

10. **S Ghosh**, MW. Devereaux, AL Anderson, KC. El Kasmi, RJ. Sokol. NFkB Suppression of LRH-1 and Subsequent ABCG5/8 Suppression Are Involved in the Pathogenesis of Parenteral Nutrition Associated Cholestasis. *Hepatology (Suppl)*, 1st October 2018, vol.68. Pages 14A-14A
11. **S Ghosh**, MW. Devereaux AL Anderson, J Reisz, A D'Alessandro, KC. El Kasmi, RJ. Sokol. Suppression of the hepatocyte canalicular sterol transporter ABCG5/8 enhances the inhibitory effects of phytosterols on FXR signaling. *Hepatology (Suppl)*, 1st October 2017, Vol. 66. Pages 230A.
12. KC. El Kasmi, **S Ghosh**, AL Anderson, MW. Devereaux, J Reisz, N Balasubramanian, L Johnson, FJ. Suchy, A D'Alessandro, RJ. Sokol. FXR Agonist GW4064 Prevents Parenteral Nutrition Associated Cholestasis (PNAC) in Mice. *Hepatology (Suppl)*, 1st October 2017, Vol. 66. Pages 58A.
13. **S Ghosh**, S Venkataraman, D Birks, N Foreman, R Vibhakar. WDR5 Orchestrates Cancer Cell Self-Renewal In Myc Driven Medulloblastoma. *Neuro-Oncology*, Volume 18, Issue suppl_3, 1 June 2016, Pages iii101.
14. S Cinghu, S Yellaboina, JM Freudenberg, **S Ghosh**, X Zheng, AJ Oldfield, BL Lackford, DV Zaykin, G Hu, R Jothi (2013) Nucleolin maintains embryonic stem cell homeostasis by shielding against differentiation-inducing redox-imbalance induced oxidative stress. *Molecular Biology of the cell*, vol. 24. Pages. 8120.
15. **S Ghosh** & M.K. Thakur (2004) Interaction of estrogen receptor alpha with nuclear proteins of aging mice brain, In Indian Aging Congress: 12th Biennial Conference of Association of Gerontology (India) and 2nd Annul conference of Indian Academy of Geriatrics, AIIMS, New Delhi, 5-7th Nov, pp17.
16. **S Ghosh** & M.K. Thakur (2006) Interaction of estrogen receptor alpha ligand binding domain with nuclear proteins of aging mouse brain, *Annals of Neurosciences*, supplement, 13: 106.
17. Thakur M.K., Sharma P.K., **S Ghosh** (2007) 3rd International Symposium on "Neurodegeneration and Neuroprotection" & Society for Neurochemistry (India) Meeting, Indian Institute of Chemical Biology, Kolkata, 8-9th Jan, pp 8.
18. Thakur M.K. Sharma P.K., **S Ghosh** (2007) Estrogen signaling during aging of brain, The 8th Asia /Oceania regional Congress of Gerontology and Geriatrics, Beijing, China, 22-25th Oct, pp33.
19. **S Ghosh** & M.K. Thakur (2007) Interaction of estrogen receptor alpha ligand binding domain with nuclear proteins decreases during aging of mouse brain, *Annals of Neurosciences*, supplement, 14:85.

Presentation:

1. 6th November 2022 American association for Study of Liver Diseases (AASLD), Liver meeting 2022. (Oral-Presentation). HNF4 α antagonist prevents parenteral nutrition associated cholestasis in mice by inhibiting NFkB signaling.
2. 23rd June 2022 ESPGHAN (Oral-Presentation). Pharmacological Targeting of LRH-1 Prevents Macrophage Activation and Parenteral Nutrition Associated Cholestasis in Mice. (Not able to attend).
3. 15th November 2021 American association for Study of Liver Diseases (AASLD), Virtual Conferences, Liver meeting 2021. (Poster-Presentation). Pharmacological Targeting of LRH-1 Prevents Macrophage Activation and Parenteral Nutrition Associated Cholestasis in Mice

4. 29th May 2020 Targeting LRH-1 in Parenteral Nutrition–Associated Cholestasis 2020 Pediatric Research Poster Session, Children’s Hospital Colorado. Colorado Clinical and Translational Sciences Institute. University of Colorado, Denver. (Poster)
5. 17th January 2020 Targeting HNF4a in NFκB-activated Parenteral Nutrition–Associated Cholestasis 2020 Annual Winter Pediatric Research Poster Session, Children’s Hospital Colorado. Colorado Clinical and Translational Sciences Institute. University of Colorado, Denver. (Poster)
6. 8th November 2019–Basic Science, Liver Meeting, Boston, American Association for Study of Liver Diseases (AASLD), Boston, MA. Targeting HNF4a in NFκB-activated Parenteral Nutrition–Associated Cholestasis, AASLD (Poster)
7. 11th July 2019 LRH1 agonist has anti-inflammatory properties that alleviate LPS effect during parental nutrition-associated cholestasis. Postdoc Research Day University of Colorado Denver (Poster)
8. 20th May 2019 – Pediatric Hepatology and Cholestasis, Digestive Disease Week, San Diego, CA. LRH1 agonist has anti-inflammatory properties that alleviate LPS effect during parental nutrition-associated cholestasis (Oral)
9. 18th April 2019 – University of Colorado Denver, GALIP Spring Symposium, Aurora, CO. LRH1 agonist has anti-inflammatory properties and could be potential for are Involved in the Pathogenesis of Parenteral Nutrition Associated Cholestasis (Oral-Gong Show and Poster)
10. 18th January 2019 LRH1 agonist has anti-inflammatory properties that alleviate LPS effect during parental nutrition associated cholestasis Annual Winter Pediatric Research Poster Session, Children’s Hospital Colorado. Colorado Clinical and Translational sciences institute. University of Colorado, Denver (Poster).
11. 12th November 2018 – Plenary session, Basic Science, American association for Study of Liver Diseases (AASLD), San Francisco, CA. NFκB Suppression of LRH-1 and Subsequent ABCG5/8 Suppression Are Involved in the Pathogenesis of Parenteral Nutrition Associated Cholestasis (Oral-Plenary).
12. 12th July 2018 NFκB Mediated Suppression of LRH1 and Subsequent ABCG5/8 Suppression are Involved in the Pathogenesis of Parenteral Nutrition Associated Cholestasis. Postdoc Research Day University of Colorado Denver: (2018) (Poster).
13. 8th February 2018 FXR Agonist (GW4064) Prevents Parenteral Nutrition Associated Cholestasis (PNAC) in Mice Annual Winter Pediatric Research Poster Session, Children’s Hospital Colorado. Colorado Clinical and Translational sciences institute. University of Colorado, Denver (Poster).
14. 29th June 2017 Suppression of the Hepatocyte Canalicular Sterol Transporter ABCG5/8 Enhances the Inhibitory Effects of Phytosterols on FXR Signaling: Postdoc Research Day University of Colorado Denver (Poster).
15. 12th May 2017 Suppression of the Hepatocyte Canalicular Sterol Transporter ABCG5/8 Enhances the Inhibitory Effects of Phytosterols on FXR Signaling: Digestive Health Institute, Children’s Hospital of Colorado (Oral).
16. 20th October 2016 –Postdoc Seminar Series, University of Colorado Denver, Aurora - Targeting WD repeat-containing protein 5 (WDR5) in cMYC-driven medulloblastoma (Oral).

17. 18th June 2016 Targeting Epigenetic regulator in cMyc-driven Medulloblastoma.WDR5 orchestrates cancer cell self-renewal in myc-driven medulloblastoma. Neuro-Oncology Conference, London, UK (Poster Selected –Not Presented)
18. 11th March 2016 Targeting Epigenetic regulator in cMyc driven Medulloblastoma.: Postdoc Research Day University of Colorado Denver (Poster).
19. 12th January 2016 Targeting Epigenetic regulator in cMyc-driven Medulloblastoma. Annual Winter Pediatric Research Poster Session, January 22, 2016, 2nd Floor Conference Center Mt. Yale/Mt. Princeton Children's Hospital Colorado. Colorado Clinical and Translational Sciences Institute. University of Colorado, Denver. (Poster)
20. 6th November 2015- 7th Annual Cancer Biology Program Retreat, Cheyenne Mountain Resort, Colorado Springs, CO. Role of Epigenetic regulator in cMyc-driven Medulloblastoma (Poster).
21. 24th July, 2012- Branch Retreat, University of North Carolina at Chapel Hill The role of Tet1 in the maintenance of mouse embryonic stem cells identity (Oral).
22. International Symposium on Advances in Neurosciences, Silver Jubilee Conference of Indian Academy of Neurosciences, Banaras Hindu University, Varanasi, India, 2007 (Poster).
23. 12th Biennial Conference of Association of Gerontology (India) and 2nd Annual Conference of Indian Academy of Geriatrics, Indian Aging Congress, All India Institute of Medical Sciences, New Delhi, India, 2004 (Poster) International Update on Basic and Clinical Neurosciences Advances and XXIV Annual Conference of Indian Academy of Neurosciences, Industrial Toxicology Research Centre, Lucknow, India, 2006 (Poster)
24. WORKSHOP: "In the Workshop on modern Technique Neurochemistry", Society of Neurochemistry (India) and ICMR –Centre for Research on Aging and Brain, University of Hyderabad, India, 18-27th Dec 2003.

Attend Conferences:

1. Stem Cells in Development, Tissue Homeostasis and Disease. Sponsored by Novartis Institutes for Bio Medical Research, Pfizer Inc. and Sangamo BioSciences, Inc. Eldorado Hotel & Spa Santa Fe, New Mexico, USA. January 30 - February 4, 2011.
2. Society of Neuroscience 2011, Washington, DC, USA. November-12-16, 2011.
3. Epigenomics (J3) Sponsored by Boehringer Ingelheim Pharmaceuticals, Inc., Novartis Institutes for BioMedical Research and Takeda Pharmaceutical Company Limited. Keystone Resort, Keystone, Colorado. January 17 - 22, 2012