

Invited Lectures :

1. **Malini Laloraya.** An oxidative Approach to the Understanding of blastocyst Implantation. National Symposium on Progress in Hormonal research : Plants & Animals. Organized by School of Life Sciences, Devi Ahilya University, Indore in 1994.
2. **Malini Laloraya.** NAD(P)H oxidase Assembly at Embryo Implantation by Estradiol - a plausible non-genomic action. International Symposium on Steroid Hormone Receptor Superfamily & Molecular Signaling (SHRMS) held at Rajiv Gandhi Centre for Biotechnology, Trivandrum, India. 25-27 November, 2004,
3. **Malini Laloraya_Molecular Signatories of Embryo Implantation. National Symposium on COMPARATIVE ENDOCRINOLOGY AND REPRODUCTIVE PHYSIOLOGY: RETROSPECT AND PROSPECT, PG. 14, NOVEMBER 17-19, 2005, DELHI** Invited Lecture.
4. **Malini Laloraya.** Making sense out of antisense technology in embryo implantation research. Society for Reproductive Biology and Comparative Endocrinology [SRBCE] XXV National Symposium on Reproductive Biology and Comparative Endocrinology. January 15th - Jan17th 2007.
5. **Malini Laloraya** Estrogen α Receptor α exhibits distinct Interactome formation in diverse sub-cellular compartments – a mechanism for it's wide array of functions. The 6th Congress of the Asia and Oceania Society for Comparative Endocrinology (AOSCE), December 10-14, 2007, North Bengal University, Darjeeling, West Bengal, India.

6. **Malini Laloraya.** Is Embryo Implantation a superoxide mediated affair? Society for Free Radical Research - India (SFRR) – India) Satellite Meeting. Theme :Free Radicals and Antioxidants in Human Health, Gene Regulation and Signal Transduction. February 11-12, 2008, All India Institute of Medical Sciences, New Delhi.
7. **Malini Laloraya** Free Radicals and Antioxidants in Reproduction – *where to draw the line.*, International Conference on “*Free Radicals & Natural Products in Health*” (FRNPH-2008) and ‘Seventh Annual Meeting of the Society of Free Radical Research-India’ February 14-16, 2008, Centre for Advanced Studies, Department of Zoology, University of Rajasthan, Jaipur, India
8. **Malini Laloraya.**Distinguishing molecular signatures during successful embryo implantation. National Symposium on Recent Advances in Female Reproductive Health Research, 11-12 Dec. 2008, Central Drug Research Institute (CDRI) Lucknow.
9. **Malini Laloraya.** Bioinformatics tools in Modern Biology. UGC-KSCSTE Sponsored National Seminar on Bioinformatics Jan 16-17, 2009, & P K Kunj Sahib Memorial Seminar Series, M S M College,Kayamkulam
10. **Malini Laloraya.** *DOCK180 is important for embryo implantation : functional analysis via in vivo gene silencing experiments.* Lecture at International Conference on “Reproductive Health with Emphasis on Strategies for Family Planning” held at New Delhi, 19th – 21st February 2012 under the auspices of Indian Society for the Study of Reproduction and Fertility (ISSRF).
11. **Malini Laloraya** Invited talk entitled “*miRNA and their regulatory networks in Polycystic ovarian syndrome*” at International Conference on Repromics - OMICS in Reproduction, 7-9 February 2013, RGCB, Trivandrum, Kerala, India.
12. **Malini Laloraya** Invited talk entitled “Nitric oxide: a key element in mediating female fertility” at International Seminar on - **Legacy of Nitric Oxide: Impact on Disease Biology**, 5-6 November 2013, RGCB, Trivandrum, Kerala, India.
13. **Malini Laloraya.** Invited Talk entitled "Intersection of Proteomics and Bioinformatics in deciphering novel functions of proteins" at 3rd International Conference on Proteomics & Bioinformatics" held on July 15-17, 2013 by the OMICS Group at Courtyard by Marriott Philadelphia Downtown, USA
14. **Malini Laloraya.** "How critical is research in reproduction for our society?" 5th National Seminar on Trends in Health and Life Sciences at Mar Thoma College, Thiruvalla, Kerala, 20th February 2015).
15. **Malini Laloraya.** PROTEIN INTERACTOMICS IN EMBRYO IMPLANTATION. International Congress On “Embryo Implantation: Intricacies and Strategies for its Success ”National Institute of Immunology, New Delhi, India. 9-11 March, 2015.
16. **Dr. Malini Laloraya.** Obesity and PCOS: the Circadian Rhythm connection. Invited talk at (ICOMES 2015) International Congress on Obesity and Metabolic Syndrome in conjunction with the 43rd Annual Scientific Meeting of KSSO with the major theme ‘A Multifarious Approach to Understanding Obesity and Metabolic Syndrome : From Core to Periphery’ during 12-15 November 2015, Seoul, Korea. hosted by Korean Society for the Study of Obesity. **(Unable to attend)**

17. **Malini Laloraya** "Unraveling the complex network of PCOS pathogenesis using a systems biology approach" Invited Lecture at INTERNATIONAL CONFERENCE ON MOLECULAR SIGNALLING: RECENT TRENDS IN BIOSCIENCES" held at NEHU Shillong, 20 – 22 November 2015.
18. **Malini Laloraya** Invited Talk entitled "New Frontiers in Female Reproduction Research 37th Prof. M. M. Sebastian memorial Lecture at SB College, Changanacherry, 11th February 2016.
19. Meera B. Krishna¹, Betsy Susan Johnson¹, Sathy Madhavan Pillai², and **Malini Laloraya**^{1*} Sleep disorders in PCOS could be an outcome of altered circadian rhythm due to aberrant miRNA status. Invited lecture at International Conference on Reproductive Health with Emphasis on Occupational, Environmental and Lifestyle Factors & 26th Annual Meeting of the ISSRF, February 18-20 , 2016.
20. **Malini Laloraya** "New dimensions in embryo implantation failure - the black box of assisted reproduction? Workshop - Seed & Soil : Endometrium & Implantation 5th International Congress of Academy of Clinical Embryologists (ACE), India, Marriott, Jaipur from 26th to 28th August, 2016.
21. **MALINI LALORAYA** Invited talk entitled "*Immune tolerance in Infertility*" at FERTIVISION 10-11 December 2016, Indira Gandhi Pratisthan, Gomti Nagar, Lucknow .
22. **MALINI LALORAYA** Invited talk entitled "Reactive Oxygen/Nitrogen Species – the good and the bad!" at International Conference on Molecular Signaling: Basics to Applications (January 10-12, 2017 at Green Coconut Resort, Chennai
23. **MALINI LALORAYA** Invited talk entitled "*Uterine-embryo negotiations for renting the womb –a lease for new life*" at International Conference on Reproductive Health with Emphasis on the Strategies for Infertility, Assisted Reproduction and Family Planning & Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF) (January 23-25, 2017 at AIIMS, New Delhi
24. **MALINI LALORAYA**. Invited talk entitled "SOS1- a novel nuclear partner of ER α regulating Nuclear initiated steroid signalling. (NISS)" at International Conference on Reproductive Biology and Comparative Endocrinology and 35th meeting of the Society for Reproductive Biology and Comparative Endocrinology, 9-11 February 2017, School of Life Sciences, University of Hyderabad, India
25. **MALINI LALORAYA**. Invited talk entitled "*Distinguishing molecular signatures of uterine receptivity for a successful embryo implantation.*" at Indian Society for Assisted Reproduction, ISAR 2017, 21st – 23rd April 2017, Hyatt Regency, Gurugram, Haryana, India.
26. **MALINI LALORAYA**. Invited talk entitled " *Impaired T_{reg} generation in PCOS women - a RISK factor for pregnancy in PCOS Women*" at International Conference on Reproductive Physiology and Comparative Endocrinology (ICRPCE) cum 36th meeting of Society for Reproductive Biology and Comparative Endocrinology (SRBCE) 2018 at Department of Biological Sciences,BITS Pilani KK Birla Goa Campus, Goa , 20-22 January, 2018.
27. **MALINI LALORAYA**. Invited talk entitled "*DOCK180-AIRE nexus modulates uterine reprogramming via HOXA10-BMP signaling in understanding the complex scenario of*

early pregnancy" at 6th International Conference on Molecular Signalling (ICMS 2018)", under the auspices of University of Hyderabad (UoH) and National Institute of Animal Biotechnology (NIAB), 8 - 10 February, 2018.

28. **MALINI LALORAYA.** Invited talk entitled "*Integrated miRNA-mRNA network reveals dysregulated pathways in Polycystic ovary syndrome*" at World Congress on Reproductive Health with Emphasis on Family Planning and Assisted Reproductive Technology & 28th Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF) (February 23-25, 2018 at CSIR Indian Institute of Chemical Technology, Hyderabad).
29. Invited to give a lecture on my research on reproduction in the *Sino-American Joint Meeting of Reproductive Immunology*, the 38th Annual Meeting of the American Society for Reproductive Immunology, and the 6th Annual Meeting of the Chinese Society for Reproductive Immunology held on June 28th-July 1st, 2018 at Wyndham Bund East Shanghai Hotel (No. 25 Ningguo Road, Yangpu District, Shanghai).
30. **MALINI LALORAYA.** Invited talk entitled "*Son of Sevenless 1 (SOS1), the RasGEF, circuits with estrogen receptor alpha (ERα) and STAT3 during embryo implantation*" at Humboldt Kolleg on Comparative Endocrinology and Physiology' organized by Alexander von Humboldt (AvH) Foundation, Germany and RTM Nagpur University on 7-9 January, 2019 at Nagpur, India.
31. **MALINI LALORAYA.** Plenary Lecture entitled "*DOCK180 mediated AIRE nuclear shuttling - the pivotal element in modulating uterine reprogramming leading to decidualization*" in the International Conference on Reproduction, Endocrinology and Development (ICRED) and 37th Meeting of The Society for Reproductive Biology and Comparative Endocrinology (SRBCE) during January 19 to 21, 2019, Baroda, Gujarat, India.
32. **MALINI LALORAYA.** Invited talk entitled "*Clocking metabolism and immune homeostasis - timing to reproductive health in polycystic ovary syndrome (PCOS)*" in the Global Conference on Reproductive Health with Focus on "Occupational, Environmental & Lifestyle Factors" held on 22nd – 24th February, 2019 at JNU Convention Centre, New Delhi.
33. **MALINI LALORAYA.** Invited talk entitled "*Distinguishing molecular signatures of uterine reprogramming for pregnancy*" in "International Conference on Molecular Basis of Disease and Therapeutics (ICMBDT-2019)" organized by School of Life Sciences, Central University Rajasthan during March 8-10-2019.
34. **MALINI LALORAYA.** Invited talk entitled "*Circadian rhythm in ovarian disorders*" in "International Symposium on Biological Rhythms" during March 11-13, 2019 at the Department of Zoology, CCS University Meerut.
35. **MALINI LALORAYA.** Invited talk entitled "**Recent TRENDS IN FEMALE INFERTILITY**" in Shobhit University March 11, 2019
36. **MALINI LALORAYA.** Invited Talk entitled Are oxyradicals really the demon in physiology? – beneficial ROS tales from my research "Women Science Power" Symposium held on 26th June, 2019 at RGCB.
37. **MALINI LALORAYA.** Invited Talk entitled "*Is environment playing havoc with female Reproductive system*" as Faculty Speaker in ENDOCRINE DISRUPTORS & FERTILITY, THE FIRST EVER ISAR MASTERCLASS, on 25th August 2019 at

'Palheight's MANTRA' Bhubaneswar.

38. **MALINI LALORAYA.** Chief Speaker at the inaugural seminar of the Department of Zoology, Ravenshaw University, Odisha. on 26th August, 2019.
39. **MALINI LALORAYA.** Plenary Invited talk entitled "*Derailed Treg homeostasis in Polycystic Ovary Syndrome (PCOS) – a STAT5B affair*" in 46th Annual Meeting of Indian Immunology Society, Immunocon 2019, entitled, "Advances in Immunology Research: Impact on Healthcare" during November 14th-16th, 2019, at DAE Convention Centre, Anushaktinagar, Mumbai, India.
40. **MALINI LALORAYA.** Invited talk entitled "*Demonizing Oxyradicals- -a misuse of the word "Oxidative stress" - Beneficial tales from my Research*" in International Conference on New Horizons in Biotechnology (NHBT-2019) November 20-24, 2019; Trivandrum, Kerala, India.
41. **MALINI LALORAYA.** Prof. G. P. Talwar Gold Medal Award-2020 ORATION entitled "Oxyradical- the yin-yang of pregnancy: Tales from my research of 30 years" during the 30th Annual Meeting of the ISSRF along with the World Congress on Reproductive Health with Emphasis on Reproductive Cancers, Infertility and Assisted Reproduction (ISSRF-2020) on February 16, 2020 at Shri Mata Vashino Devi University (SMVDU), Katra, Jammu and Kashmir.
42. **MALINI LALORAYA.** Distinguished Speaker with Talk entitled "Decoding the PCOS Immune Landscape" during NIRRH Golden Jubilee International Conference & International Conference on Women's Reproductive Health: A step towards improving quality of life, 20-23 February 2020, at ICMR - National Institute for Research in Reproductive Health, Mumbai, India.
43. **MALINI LALORAYA.** - Invited speaker on talk entitled "Circadian Rhythm-Immune Nexus In PCOS" on May 18 at the Annual Meeting of the American Society for Reproductive Immunology (ASRI) 2021 VIRTUAL MEETING (MAY 14-21, 2021)
44. **MALINI LALORAYA** -KEYNOTE ADDRESS - Is the circadian clock-steroidogenesis crosstalk - a cue for PCOS pathogenesis? International Symposium on "Advances in Comparative Endocrinology and Behavioural Ecology" from 1st - 3rd July 2021, Department of Zoology, Savitribai Phule Pune University.
45. **MALINI LALORAYA** - Invited speaker (talk entitled "When she is healthy, we are healthy") at International Online Symposium on Reproductive Health and Physical Fitness on September 28-29, 2021 on the occasion of National Women's Health and Fitness Day-2021 organized by Deen Dayal Upadhyaya College, Delhi University, Delhi.
46. Lecture entitled "*Innovations in Biotechnology - Transforming Reproductive Health - Towards an Atmanirbhar Bharat*" in refresher course in Biotechnology on 12th January, 2022 organized by UGC-Human Resource Development Centre, UNIVERSITY OF ALLAHABAD in virtual mode.
47. Lecture entitled "*Are Endocrine Disruptors playing havoc with our HEALTH?*" in refresher course in Biotechnology on 15th January, 2022 organized by UGC-Human Resource Development Centre, UNIVERSITY OF ALLAHABAD in virtual mode.
48. Lecture entitled "*Autoimmune Regulator (AIRE) –Hypoxia inducing factor 1A (HIF1A) Handshake influences "Treg master regulator" in PCOS*" as Invited

Speaker on 11th February 2022 at the International Conference on Reproductive Healthcare & 32nd Annual Meeting of the Indian Society for the Study of Reproduction and Fertility (ISSRF-2022) held virtually during February 11th to 13th, 2022.

49. *Invited Speaker – “Peripheral circadian genes impairment contributes to hyperandrogenism in PCOS at ICRBCED and the 39th annual meeting of SRBCE at CSIR-CCMB on September 14-16, 2022.*
50. Chief Guest and Invited talk on "Molecular insights in embryo development and implantation" in workshop "In vitro fertilization" as a part of "KAUSHALYA"(Knowledge Advancement Using Skills on High-end Applied Lifetechnology for Aspirants) at Gujarat Biotechnology Research Centre, Gandhinagar on 28.11.2022 (Monday).
51. Invited talk entitled "Science towards Healthy woman: a critical step to reproductive empowerment for sustainable development" at 108th Indian Science Congress in the Plenary session on "ADVANCES IN ENDOCRINE AND CANCER BIOLOGY" during 3-8 January 2023.
52. *Invited Speaker - “Circadian rhythm misalignment in Polycystic Ovary Syndrome - Sleep Management and Women’s Health” at 8th International Conference on Molecular Signaling & 4th CeSin Symposium CSIR-Indian Institute of Chemical Biology, Kolkata during 16-18 March 2023.*
53. *Invited speaker: PCOS-where endocrinology meets immunology. S-15: REPRODUCTIVE IMMUNE-ENDOCRINE CROSS-TALK: IMPLICATIONS FOR WOMEN’S HEALTH at the 42nd Annual Meeting of the American Society for Reproductive Immunology held during May 20, 2023 to May 25, 2023 at La Fonda on the Plaza, Santa Fe, New Mexico, USA.*
54. *Invited speaker: The Many Facets of Oxyradicals – From Stem Cells to Embryo Implantation with Implications for Assisted Reproduction” at International Conference on Molecular Medicine, Reproduction and Endocrinology (ICMMFE-23) and as part of the 40th annual meeting of the Society for Reproductive Biology and comparative endocrinology (SRBCE), during 14-16 September 2023 at Division of Life Science, School of Science, Navrachana University, Vadodara.*
55. *Invited speaker: "Managing PCOS - All about resetting your circadian rhythm"*
Resource person for National workshop on Circadian Biology during 11-12th September 2023 organized by Department of Zoology, The Maharaja Sayajirao University of Baroda, on the theme "Molecular Circadian rhythms in health and disease".
56. *Invited Lecture: “Reproduction Research - essence of Life” at Biotechnology Department, Motilal Nehru National Institute of Technology, Allahabad on 26th October 2023.*
57. *Invited Lecture: “Towards the development of Newer strategies for improved Infertility Management” at the Trivandrum OBGyn Meeting on Nov 16 2023, Trivandrum.*
58. *Invited Lecture: “Cognition and spatial memory dysfunction in PCOS-a consequence of altered brain wiring?” at the International Symposium on Recent Trends in Comparative Endocrinology and Physiology: from brain to behaviour; under of Auspices of Indian Society for Comparative Endocrinology during 12014 October 2023 held at Department of Zoology, S. P. Pune University, Pune.*

59. *Invited speaker: Cracking the Immune Landscape of PCOS* at International Conference on Molecular Signaling, 2024, February 1-3, 2024 at the Department of Animal Biology, School of Life Sciences, University of Hyderabad, Hyderabad, India.
60. *Invited speaker: PCOS- a burgeoning epidemic bearing a transgenerational influence?* International Conference on Global Disease Biology: Perspective Biotechnology 15th– 17th March, 2024, Organized by Department of Biotechnology The University of Burdwan
61. *Invited speaker: PCOS- a burgeoning epidemic - is our changing lifestyle the culprit?* National Webinar on the topic “Modern Lifestyle and Female Reproductive Health” on April 3, 2024 organized by the Department of Prasuti Tantra in collaboration with the Department of Zoology, Banaras Hindu University.
62. *Invited speaker: Immune landscape of PCOS at the Update Meeting of the AE-PCOS Society in Stockholm on May 10th, 2024, as a satellite to the European Society of Endocrinology meeting in May 11-14th* **(UNABLE TO ATTEND)**
63. *Invited speaker: Polycystic Ovarian Syndrome and Brain: from aberrant circadian rhythms to cognition alterations at the International Conference on Endocrinology, Metabolism, and Reproduction: Exploring New Frontiers, at Department of Zoology, University of Jammu, from October 22-25, 2024.*
64. *Key Note speaker: “Revolutionizing Reproductive Health: Omics Approaches in Female Metabolism”* at the symposium, “Pioneering the Future of Healthcare and Diagnostics using 4D Omics” at IIT Bombay on Nov 12, 2024.
65. *Invited Panelists: "Myths, Facts and Science of Reproductive Aging"* Longevity India Webinar SERIES, 29th January 2025. moderated by Prof. Annapoorni Rangarajan (Longevity Investigator, Indian Institute of Science (IISc)).
66. *Invited Speaker. “Organome proteomics to decipher Recurrent Implantation Failure (RIF) – a step to create diagnostics for receptivity assessment”.* at the International Conference on Advances in Proteomics Technologies (APT-2025) 14-17 Feb 2025 at IIT Bombay.
67. *Invited Speaker. “When nights are no longer dark – Does sleep matter?”. NATIONAL SCIENCE DAY Celebration 2025 under the aegis of Kerala Academy of Sciences at PM SHRI Kendriya Vidyalaya Pattom, Thiruvananthapuram, Kerala on 6th March 2025.*
68. Invited Speaker. “Prioritizing women’s health during my journey in Science – challenges and lessons learnt”. NATIONAL SCIENCE DAY & INTERNATIONAL WOMEN’s DAY Celebration 2025 at AMRITA Vishwa Vidyapeetham, School of Pharmacy, on 4th March 2025.
69. *Invited Speaker. “Impact of research and relevance to Society – Does sleep matter for health?”. NATIONAL SCIENCE DAY Celebration 2025 under the aegis of Kerala Academy of Sciences at MSM College, Kayamkulam, Kerala on 6th March 2025.*
70. *Invited Speaker. “When nights are no longer dark – Mayhem in PCOS”.* at the National Seminar on Recent Trends in Biology during 21-22 March 2025 at Savitribai Phule, Pune University.

71. Invited Speaker. *"When she is healthy, we are healthy"*. at Seminar and Faculty development Program at Navrachana University during 27-28 March 2025.