

CURRICULUM VITAE

Part I General Information

Date Prepared: Aug 20th 2024

Name: Amit Awasthi

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Gurgaon-Faridabad Expressway, Faridabad, 121 001, Haryana, INDIA

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Date of Birth: 3rd July 1977

Place of Birth: Bhind, Madhya Pradesh, INDIA

Citation index: Total citation: **14725**
<https://scholar.google.co.in/citations?user=AKaBq0cAAAAJ&hl=en>

Education:

Year	Degree	Institution
1997	B.Sc. in Biology	Jiwaji University, Gwalior, India
1999	M.Sc. in Biotechnology	Jiwaji University, Gwalior, India
2006	Ph.D. in Biotechnology/Immunology	National Centre for Cell Science, Pune, India

Postdoctoral Training:

2005-2009 Research Fellow	Prof. Vijay K Kuchroo's Laboratory Center for Neurologic Diseases Brigham and Women's Hospital Harvard Medical School Boston, MA, USA
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Academic Appointments:

Dec. 2022-till date	Senior Professor	Translational Health Science & Technology Institute, Faridabad, India
2022-Nov. 2022	Professor	Translational Health Science & Technology Institute, Faridabad, India
2017-2021	Associate Professor	Translational Health Science & Technology Institute, Faridabad, India
2012-2017	Assistant Professor	Translational Health Science & Technology Institute, Faridabad, India
2009-2012	Junior Faculty	Harvard Medical School, Boston, USA

Visiting Scientist:

May-Aug, 2016	Visiting Scientist	Harvard Medical School, Boston, MA
Aug 2015	Visiting Scientist	Harvard Medical School, Boston, MA
April-May, 2014	Visiting Scientist	Harvard Medical School, Boston, MA

Editorial Boards:

2004	Ad Hoc Reviewer	International Immunopharmacology.
2005	Editor of student News Letter	Indian Immunology Society.

2009	Ad Hoc Reviewer	Arthritis & Rheumatism
2009-present	Ad Hoc Reviewer	Plos One
2015-present	Ad Hoc Reviewer	Scientific Reports (Nature publishing group)
	Ad Hoc Reviewer	International Immunology
	Ad Hoc Reviewer	Immuno-biology
	Ad Hoc Reviewer	Oncology Reports
	Ad Hoc Reviewer	Immunologic Res
2016-present	Review Editor	Frontiers in Immunology
2017-Present	Editorial Board Member	Journal of Gastroenterology Forecast
2019-2022	Associate Editor	Immunology, Journal of British Society for Immunology
2019-present	Review Editor	Frontiers in pharmacology

Professional Societies:

2004–Present	Indian Immunology Society Member (IIS)
2015-Present	American Association of Immunologist (AAI)
2017-2018	Elected executive council member of Indian Immunology Society Member (IIS)
2017-present	Nominated member of Molecular Immunology Forum (MIF)
2018-present	Founding and life member of Immuno-Oncology Society of India
2018-Present	Secretary, Indian Immunology Society (IIS)
2018-2021	Council Member of Federation of Immunological Societies of Asia-Oceania (FMISA)
2019-2022	Member of British Society for Immunology
2018-2021	Member of Steering Committee, Federation of Clinical Immunology Societies (FOCIS)
2019-present	Life member of Translational Research Society.

Institutional responsibilities at THSTI:

2012-present:

1. Member Secretary Institutional Animal Ethics Committee (2013-)
2. Member Institutional Purchase Committee (2017-2019)
3. Member Institutional Extramural Link Committee
4. Member of Institutional Academic Committee (2017-2019)
5. Chair of Institutional Sports Committee (2017-)
6. Chair of Institutional Purchase Committee (2019-)
7. THSTI Small Animal Facility In-Charge (2015-2020)
8. THSTI Immunology Core, In-Charge (2020-)
9. Chairperson of Purchase Committee (2022- Till date)
10. Chairperson of Institutional Animal ethics Committee (2022-Till date)
11. Chairperson THSTI Sports Committee (2022-Till date)
12. Member of Institutional Academic Committee (2023-2025)

Institutional Responsibility outside Institute:

1. Scientific Advisor Committee Member of National Institute of Research in Tribal Health (**SAC Member of ICMR-NIRTH**)
2. Research Council Member of Norther East Institute of Science & Technology (**Research council Member of CSIR-NEIST**)
3. Scientific Advisory Committee Member of Regional Medical Research Centre (ICMR-RMRC), Gorakhpur, 2023-2026.
4. Department of Academic Advisory Committee (DAAC) Member of National Institute of Pharmaceutical Research (NIPER) Raebareli, 2024-Till date.

Award and Honors:

2001	Junior Research Fellowship , Department of Biotechnology, Government of India.
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2003	Senior Research Fellowship , Council of Scientific & Industrial Research Government of India.
2004	G.P. Talwar Young Scientist Award of Indian Immunology Society of India.
2007	Second place (Trophy and cash prize) at 2 nd Abstract Competition at Medimmune, Inc. Gaithersburg, MD, USA.
2008	Tykeson Fellows Conference of Multiple Sclerosis Society, Nov 4-7, 2008 Chicago, USA.
2010	Tykeson Fellows Conference of Multiple Sclerosis Society, June 4-7, 2010 San Antonio, USA.
2007–2010	National Multiple Sclerosis Society Postdoctoral Fellowship, National Multiple Sclerosis Society, New York, USA
2009	Travel Award, Federation of Clinical Immunology Society (Focis)
2011	Research pilot grant from Crohn's and Colitis Foundation of America, New York, USA
2011	Ramalingaswami Fellowship from Department of Biotechnology, India
2011	Innovative Young Biotechnologist Award from Department of Biotechnology, Govt. of India.
2012	Young scientist platinum jubilee award in biological sciences, National Academy of Sciences of India.
2013	Attended annual meeting of American Association of Immunologist, Hawaii, USA
2015	Poster presented at Federation of Clinical Immunologist Society (Focis) at San Diego, USA
2015	Poster presented at 4 th European Immunology Congress, Vienna, Austria
2016	AAI Early Career Faculty Travel Grant for attending AAI annual meeting at Seattle, Washington
2016	AAI Travel Grant for the International Congress of Immunology 2016 (ICI 2016), Melbourne Australia
2017	G.P. Talwar Mid Career Scientist Award of Indian Immunology Society India
2017	AAI Early Career Faculty Travel Grant for attending annual meeting of American Association of Immunologists at Washington D.C.
2018	Early Career Award from Dutch Society of Immunology, Amsterdam for attending European Congress of Immunology.
2018	Travel Award from American Association of Immunologists for attend European Congress of Immunology at Amsterdam from 2 nd – 5 th September 2018
2019	Travel Award from 2nd Human and Translational Immunology Conference (Co-organised by Nature Immunology), at Kos Greece from May 29 th – June 3 rd 2019.
2020	Travel Award from Gordon Research Conference 2020 to attend “Food Allergy, Gordon Research Conference (Jan 5 th – 10 th , 2020), Ventura Beach Marriott, Ventura CA USA
2021	GN Ramachandran National Bioscience Award for Career Development, Department of Biotechnology, Govt. of India.
2021	Most Impact research group of THSTI.
2022	Best publication in the year of 2022 at THSTI.
2022	CDRI Award in Life Science category for Drug Discovery.
2022	Elected member of Guha Research Conference (GRC)-2021
2022	Excellence in Research on Immune-Therapies at the 49th Annual Conference of Indian Immunological Society, PGIMER, Chandigarh.
2023	Travel Award received for attending “3rd Human & Translational Immunology Conference”, held on October 23 – October 28, 2023 on Rhodes Island, Greece.
2023	Travel Award received from IUIS International Congress of Immunology, Cape-Town, held on 27 th November – 2 nd December 2023 at Cape Town International Convention Centre (CTICC).

Part II: Research Contributions

Major Research Interests:

1. Immune regulation and interplay between effector and regulatory T cells in autoimmunity and infection
2. Understanding the role various subsets of Th cells in anti-tumor immunity and role of check point inhibitors in enhancing anti-tumor immune Th response
3. Understand the pathophysiology and vaccine development of COVID19 and Flu.

2. Narrative description of research and significant contribution:

Dr. Amit Awasthi, currently heading Immuno-Biology & Immunology Core laboratory, is a Senior Professor at THSTI, Faridabad. He is an internationally renowned immunologist with significant research contribution in the field of T cell biology in inflammatory and infectious diseases. He has published > 70 publications with several seminal papers, in the field of Immunology, in prestigious international journals such as Nature, Nature Immunology, Nature Communications, Science Advances, and Lancet Infectious Diseases with an h-index of 31 and >13000 citations. He has been conferred with many prestigious awards including '**Innovative Young Biotechnologist Award**' and '**GN Ramachandran National Bioscience Award**' presented by Department of Biotechnology, '**CDRI Award**' for excellence in **Drug Discovery** research presented by CSIR-Central Drug Research Institute, '**GP Talwar Mid Career Award**' by Indian Immunology Society, and '**Young scientist platinum jubilee award**' by National Academy of Sciences of India. He is the Secretary-General of the 'Indian Immunology Society', a founding member immune-oncology Society of India, and an Executive Council Member of Federation of Immunological Societies of Asia-Oceania (FIMSA).

Amit is working in THSTI since 2012 in the field of T cell biology in inflammatory diseases including bowel disease (IBD). He had secured prestigious India-Alliance intermediate fellowship. Amit significantly contributed in understanding the biology of IL-9-producing helper T cells subsets (Th9) in tissue inflammation of autoimmune diseases, allergic inflammation and extracellular infections. His seminal work in discovering and identifications of transcriptional landscape of Th9 cells (**Nature Immunology 2008; Nature Communications 2017; Front Immunol. 2019; Scientific Reports 2020; Nature Communications 2021**) were well recognised globally. Amit has shown that ATP-triggers Th9 cell differentiation via mTOR-HIF1- α axis. Th9 cells shown to be crucial in inducing anti-tumor functions. Amit has further identified that PP2A, a phosphatase, is essential for the generation and anti-tumour functions of Th9 cells. Last year, his group has identified that Areg-EGFR activation-induced HIF-1 α is essential for the generation and functions of Th9 cells.

His laboratory works on crosstalk of between immune and cancer cells to determine the factors that are critical in eradication of tumour. He recently identified as to how 'Salt' activate immune system to and irradiate tumour (**Science Advances 2021**). His work on 'Salt and tumour' was highlighted in many renowned science magazine and news internationally. In addition, Amit has contributed significantly in functions and the transcriptional signature of pathogenic and non-pathogenic Th17 cells in autoimmune disease condition including IBD (**Nature Immunology 2012, Nature 2013, Nature Immunology 2017, Cell Reps 2020, Frontiers in Immunology 2016, Scientific Reports 2017, J Leukoc Biol 2016, Cell Reps 2019**).

Amit has contributed significantly in Covid19 pandemic by establishing 'cellular immunology' (**Lancet Infectious Diseases, 2022**) and animal models platform. In fact, Amit has shown, for the first time, that Covid19 causes cardiovascular dysfunction in hamster model (**Elife 2022**). His laboratory tested preclinical efficacy of Covid19 vaccine candidates including **ZycovD**, first DNA vaccine, and **Corbevax**, a subunit vaccine. His laboratory provided cellular immune response data for clinical trials of **Sputnik V** and **Corbevax**. These vaccines, subsequently, given emergency use authorisation by DCGI.

3. Research funding information:

Present Research Support:

Sr. No	Title of Project (With project file/ref.no)	Source of Funds	Total budget sanctioned	Start Date	End Date
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1	INCENTIVE-"Indo-European Consortium for Next Generation Influenza Vaccine Innovation". File no-BT/IN/EU-INF/16/AP/19-20	DBT	424222198.00	29/12/2020	28/12/2025
2	ENDFLU-"Evaluation of Rationally Designed Influenza Vaccine" File no-BT/IN/EU-INF/15RV/19-20	DBT	274055952.00	31/12/2020	30/12/2025
3	"Towards an mRNA vaccine platform" File no- File no-ILSF/GRANTS2021- 22/001/28062021	IGNITE Life Science, IISC Bangalore	4054820.00	28/06/2021	27/06/2024 Under Extension
4	Understanding the generation, regulation and function of Th9 cells in inflammatory diseases. File no-BT/HRD/NBA-NWB/39/2020-21	NBA-DBT	1700000.00	18/08/2021	17/08/2025
5	Evaluation of the magnitude, kinetics and longevity of humoral and cellular immune responses to SARS-Cov2 variants in vaccinated and naturally infected individuals. File no-CTU/Cohort study/17/10/22/2021/ECD	ICMR	5698372.00	01/02/2022	31/01/2025
6	Multi-epitope, Nanoparticle based broadly protective Beta coronavirus candidate vaccine	THSTI PANACIA biotech	970540000.00	24/02/2022	24/02/2026
7	Identification and characterization of small molecules to block PD1/PDL1 pathway in immunotherapy. File no-BT/PR28133/NER/95/1383/2018	DBT	6335520.00	30/03/2022	29/03/2025
8	SARS-CoV2 anti-viral activity testing platform to support the preclinical development of new chemical entities, and natural products from Academia, Start-ups and Pharma companies. Ref. No: BT/CTH0004/CTH/01/20	BIRAC	47854000.00	05/09/2022	04/03/2025
9	Exploration of Immunopathogenesis of extraintestinal organ involvement in patients with Celiac disease. Ref. no- 61/08/2022-IMM/BMS	ICMR	7260000.00	18/01/2023	17/01/2026
10	"Pre-Clinical Animal Model Platform to Study Disease Severity and Post Covid-19 Sequelae" Ref. no-BT/CS0100/06/22/CS	BIRAC	16728000.00	15/12/2023	14/12/2025
11	Consortia for Vaccine candidate development against arboviruses. File ref no-EMDR/CAR/11/2023-0374	ICMR	149646628.00	23/04/2024	22/04/2029
12	Understanding the role of micronutrients in regulating the effector and regulatory T-cell response in Inflammatory disease. Ref. no-CRG/2023/0008754	DST-SERB	6962400.00	Project approved & awaiting for sanction letter	

Past Research Support:

Sr. No	Title of Project (with project file/ref.no)	Source of Funds	Total budget sanctioned	Start Date	End Date
1	"IL-27 dependent regulation of TH 17 and regulatory cells". File no.- BT/05/IYBA/2011	IYBA-DBT	3881000.00	03/07/2012	31/03/2017
2	"Interplay between effector and regulatory T cells in the pathogenesis of intestinal inflammation". File no.- IA/I/12/1/500524	DBT-Wellcome Trust	32503526.00	12/07/2012	31/08/2017
3	"Vitamin A is the "Microenvironmental cue" for triggering disease activity in patients with Inflammatory Bowel disease".	DBT	82380000.00	05/03/2013	31/03/2017

	File no.-BT/PR4763/MED/30/895/2012				
4	"Human Gastrointestinal Immunology Translational Program". File no.- BT/PR14929/MED/15/67/2010	DBT	14458000.00	16/12/2014	18/03/2018
5	"ATX axis in satellite cells and muscle repair". File no.-BT/PR13045/BRB/10/1461/2015	DBT	150000.00	10/03/2017	09/03/2020
6	Sub-Network 2: Preclinical and pharmacokinetics evaluation of selected AYUSH herbal extracts/formulations for mitigating SARS-CoV-2 Virus and COVID-19 disease. File no-BT/PR40378/TRM/120/486/2020	DBT & Min. of Ayush.	49685000.00	24/08/2020	31/03/2023
7	"Understanding the transcriptional landscape of IL-10-producing anti-inflammatory T cells in IBD". File no- CRG/2018/002653	SERB-DST	5701600.00	19/12/2019	18/06/2023
8	Cellular Assay platform for determining the immunogenicity of vaccine candidates. File no-BT/CS0010/CS/02/20	BIRAC	48601200.00	22/03/2021	22/06/2023
9	"Design, Validation and Development of novel peptidomimetic therapeutics targeting SARS-Cov2 replication". File no-IPA/2020/000285	SERB-DST	11516440.00	26/10/2020	25/10/2023
10	"Development and Evaluation of diagnostic Candidate Vaccines for emerging SARS-Coronavirus-2(DEC-VAC SARS) File no-IPA/2020/000070	SERB-DST	18413480.00	18/11/2020	17/11/2023
11	SARS-CoV-2 animal challenge model for pre-clinical and translational research. REOI-2- BT/CS0054/05/21	BIRAC	94770000.00	08/04/2022	31/01/2024

Invited Presentations:

- 2005 Oral presentation at Department of Pathology, University of Chicago (May 23, 2005) on **"Biology and cell signaling in parasitic infection"**.
- 2008 Invited speaker at Annual meeting of Indian Immunology Society, Bhubaneshwar, India.
- 2009 **Young Researchers Travel Award Federation of Clinical Immunology Societies.** Focis, San Francisco, USA.
- 2012 Invited speaker and panelist, Young Investigator Meeting, Boston, USA
- 2012 Invited talk at Children Hospital and Harvard Medical School, Boston, MA, USA
- 2012 Special lecture at 4th Women Scientist Program at C. R. Rao AIMCIS, Hyderabad
- 2013 Oral presentation at Harvard-AIIMS GI Immunology Conference, New Delhi
- 2013 Plenary talk at IBD conference at G.B. Pant Hospital, New Delhi
- 2013 Invited presentation at Indian Institute of Science, Education and Research (IISER), Bhopal.
- 2014 Invited as Young Investigator at 6th Young Investigator Meeting at Hyderabad.
- May 13th, 2014 Invited speaker at **Massachusetts General Hospital, Harvard Medical School** "Induction and development of pathogenic Th17 cells and their regulation"
- May 15th, 2014 Invited speaker at **Oakland University, Michigan** "Induction and development of pathogenic Th17 cells and their regulation"
- March 27th, 2015 Invited speaker at Biosparks, School of Life Sciences, **Jawaharlal Nehru University (JNU). New Delhi**
- June 24th -27th Poster presentation at Focis 2015 at San Diego California USA
- Sep 6th- 9th 2015 Poster presentation at European Congress of Immunology, Vienna, Austria
- Oct. 9th – 11th, 2015, Invited lead talk at annual meeting of **Indian Immunology Society, Patna, India**
- Oct 14th, 2015, Invited as an International speaker at **Academy of Immunology and Microbiology (AIM), IBS, South Korea**

18. 13th – 17th May, 2016 **Poster presentation at** annual meeting of American Association of Immunologists at **Seattle, Washington, USA**
19. 1st Aug, 2016. Invited speaker at **Emory Vaccine Center, Atlanta USA** “Understanding transcriptional regulation of IL-9 in Th9 and Th17 cells in health and diseases”
20. 2nd Aug, 2016. Invited speaker at **Nebraska Medical Center, Omaha, USA**. “Understanding transcriptional regulation of IL-9 in Th9 and Th17 cells in health and diseases.”
21. 21st – 26th Aug, 2016 **Oral Presentation** at International Congress of Immunology, **Melbourne, Australia**.
22. 12th – 16th May, 2017 **Poster presentation at** annual meeting of American Association of Immunologists at **Washington D.C., USA**
23. 26th – 30th June, 2017. Invited speaker UGC KIIT/KIMS faculty development program KIIT University, Bhubaneswar.
24. July 20th, 2017, Invited speaker at School of Biomedical Sciences, **The Chinese University of Hong Kong, Shatin, N. T., Hong Kong**.
25. Sep 4th, 2017, Invited talk at Indian Institute of Sciences, Bengaluru.
26. October 12th – 13th, 2017, Invited speaker at National Workshop on Advancement in Immunology, Vallabhbhai Patel Chest Institute, University of Delhi
27. Nov 16th – 19th, 2017, Invited speaker at 86th Congress of Society of Biological Chemists (SBC2017), JNU New Delhi.
28. Dec 14th – 15th, 2017, Invited Key Note Lecture at 13th **National Research Scholars Meet 2017, ACTREC, Tata Memorial Centre, Mumbai**.
29. Dec 15-16, 2017, Invited talk at Immunocon, **44th annual meeting of Indian Immunology Society, Nirma University, Ahmadabad**.
30. Jan 23rd, 2018, Invited speaker at BioSpark, Jawaharlal Lal Nehru University, New Delhi.
31. 26th June, 2018. Invited speaker UGC KIIT/KIMS faculty development program KIIT University, Bhubaneswar.
32. 10th – 11th August, 2018, Invited speaker at National Seminar on Mechanisms of Immune responses at Banaras Hindu University, India.
33. August 18th – 19th, 2018, Invited speaker at SIRCON 2018 (Society if Inflammation research), Bengaluru, India
32. September 2nd – 5th, 2018, Oral presentation at **European Congress of Immunology, Amsterdam**.
34. 24th to 27th October 2018, invited speaker at 45th **National Conference of the ACBICON2018**, Kala Academy, Goa, India
35. 10th – 13th November, 2018, Oral presentation at **The Federation of Immunological Societies of Asia-Oceania Congress (FIMSA 2018)**, Bangkok, Thailand.
36. 28th November – 2nd December, 2018, Oral presentation at **42nd Annual Conference of Indian Association of Medical Microbiologists (MICROCON2018)**
37. November 26th – 30th, 2018, Invited speaker at **INSPIRE** programme, Department of Science & Technology, Govt. of India at AMITY University, Jaipur
38. December 16th – 18th, 2018, Invited speaker at Bioprocessing India, Indian Institute of Technology, New Delhi.
39. January 12th, 2019, Invited speaker at Cancer Immunotherapy workshop, Delhi Tumour Board, Pride Plaza, Aerocity, New Delhi
40. January 30th, 2019, Invited Speaker at Sun Pharma, New Delhi.
41. February 7th – 9th, 2019, Speaker at Molecular Immunology Forum at Hyderabad, India

42. March 1st – 3rd, 2019, Invited Speaker at International Symposium on Frontiers in development and molecular medicine: model to insight, IICB Kolkata.
43. March 8th – 10th, 2019, Invited Speaker at International Conference on Molecular Basis of Diseases and Therapeutics, Central University of Rajasthan, Kishangarh, Ajmer, India
44. March 15th – 17th, 2019, Invited Speaker at 1st Immuno-oncology Society of India Congress 2019 at Tata Memorial Centre, Mumbai, India
45. May 29th – June 3rd 2019, **Invited Speaker at 2nd Human Translational Immunology Conference at Kos, Greece.**
46. June 17th, 2019, Invited Speaker at **Department of Molecular Genetics and Microbiology, Stony Brooks University, New York USA.**
47. Oct 12th – 16th 2019, Speaker at IUIS-IIS-FIMA Immunology Course at RUHS Jaipur.
48. Oct 19th – 23rd, 2019, **Invited speaker at International Congress of Immunology (IUIS), Beijing, China.**
49. Nov 7th – 9th, 2019, Invited speaker at 5th International Conference on Translational Research: Recent Trends in pretranslational to translational research. NCCS, Pune.
50. Nov 14th – 16th, 2019, Invited speaker at 46th Immunocon at BARC Mumbai.
51. Dec 19th – 21st, 2019, Invited speaker at "National Conference on Nano/Bio-Technology (NanoBioTech-2019).
52. Jan 5th – 10th, 2020, Invited speaker at "Food Allergy, Gordon Research Conference 2020, Ventura Beach Marriott, Ventura CA USA
53. March 3rd – 5th, 2020, Invited speaker at Flow cytometry workshop NIRMA University Ahmedabad.
54. Oct 8th – 10th 2020, Invited speaker at IIS-FIMSA online Immunology Course
55. 29 April, 2021, Invited speaker on World Immunology day at NII, New Delhi (Conducted Virtually).
55. 29 April, 2021, Invited speaker on World Immunology day at IIT Roorkee (Conducted Virtually).
56. 29 April, 2021, Invited speaker on World Immunology day at Central University of Punjab (Conducted Virtually).
57. Oct 31st- Nov 3rd, 2021, Invited speaker at 8th FIMSA Congress at Bhusan Korea.
58. Invited speaker for Covid19 virtual symposium held at CIDR, IISC Bangalore on 10th Nov 2021.
59. Invited speaker SBCI Meeting held on 16th -18th Dec 2021(Virtually conducted).
60. Dec 18th -19th, 2021, Invited speaker at 47th Annual meeting of Indian Immunology Society (Virtually conducted).
61. Invited as distinguished speaker at 2nd International RMBPD, Delhi University on 24-25 Feb 2022.
62. Invited speaker to 41st International Annual Conference of the Indian Association for Cancer Research (IACR-2022) on "Combating Cancer: Biology to Therapy to Drug Resistance, AMITY University NOIDA on 2-5th March 2022.
63. Invited as key note speaker to NIRMA University, Ahmedabad on 6th Sept 2022.
64. Invited talk on "Preparedness and Technological Solutions for Management of Future Pandemics: Lessons Learnt From Covid-19" at DRDE, Gwalior on 26-30th Sept 2022.
65. To deliver Guest Lecture and Interactive Session at GLA university, Mathura on 16th Dec 2022.
66. Invited Speaker for National Conference on Biotechnology held at MKU Madurai on 23-24th March 2023.
67. Apr 29th 2023, Invited as a distinguished Expert Speaker to GLA University, Mathura.
68. Apr 29th 2023, Invited speaker to National Institute of Immunology on World Immunology Day.
69. July 11th-13th, Visited to Serum Institute of India for attending meeting on Vaccine design.
69. Aug 25th 2023, Invited speaker to ACTREC Cutting edge lecture series, ACTREC, Mumbai.

Mentoring and training:

1. **2008:** (May to August). Mr. Brendan Collins, undergraduate student from Boston College, Boston. Currently perusing Ph.D. in Neurobiology at Northeastern University, Boston, MA, USA.

2. **2009** (May to August). Kriti Subramanyam, High School student from The Winsor School, Boston, MA, USA. Currently doing undergraduate at Harvard University, Cambridge, MA, USA.
3. **2009** (May to August). Hyunje Grace Cho, Undergraduate student from Harvard University, Cambridge, MA, USA.
4. **2011** (July to August). Eashan Kaw from Virginia, USA
5. **2010-2012** Youjin Lee, Graduate (Ph.D.) student from Harvard University, Cambridge, MA, USA.
6. **2012-2013** Neeti Nadda, Junior Research Fellow from Translational Health Science & Technology Institute, India
7. **2012-2018** Ritika Rampal, Ph.D. student from All India Institute of Medical Sciences, New Delhi, India.
8. **2013-2018** Sakshi Malik, Ph.D. student at Translational Health Science and Technology Institute
9. **2012-2014** Srikanth Elesela, Post-doc fellow (Wellcome Trust) at Translational Health Science and Technology Institute
10. **2013-2017** Srikanth Sadhu, Junior Research Fellow, Translational Health Science and Technology Institute
11. **2013-2015** Ramendrapati Pandey, Research Associate, Translational Health Science and Technology Institute
12. **2013-2019** Suyasha Roy, Ph.D. student, Translational Health Science and Technology Institute
13. **2015-2016** Muzamil Yakub Want, Post-doc fellow (Wellcome Trust) at Translational Health Science and Technology Institute
14. **2015** **Jayant Jagessar Tiwari**, summer intern from **Erasmus Medical Centre in the Netherlands**
15. **2016- 2017** **Zaigham Abbas**, Post-doc fellow at Translational Health Science and Technology Institute
16. **2016-** **Rajdeep Dalal**, Ph.D. student, Translational Health Science and Technology Institute
17. **2017-** **Srikanth Sadhu**, Ph.D. student, Translational Health Science and Technology Institute
18. **2017-** **Zaigham Abbas**, **National –Post-doctoral Fellow, Department of Science and Technology, Govt. of India**
19. **2018** **Sonal Joshi**, **Short term trainee from Pune University**
20. **2018** **Rahul Nigam**, **Short term trainee from Dayalbagh college, Agra.**
21. **2018-** **Sugandha Narayan**, **Ph.D. student**, Translational Health Science and Technology Institute
22. **2018-** **Upasana Madan**, **Ph.D. student**, Translational Health Science and Technology Institute
23. **2019-** **Akshay Binayke**, **Ph.D. student**, Translational Health Science and Technology Institute
24. **2018** **Priyanka Yadav**, **Short term trainee from DIPSARU, New Delhi**
25. **2019** **Umang Beri**, **Short term trainee from Jamia Milia Islamia Univeristy, New Delhi**
26. **2019** **Jyotsna Dandotiya**, **Short term trainee from Jiwaji University, Gwalior**
27. **2019** **Chinmayee Awasthy**, **Short term trainee from Pune University, Pune**
28. **2019** **Tarini Vohra**, **Short term trainee from Manav Rachana International University Faridabad**
29. **2019** **Hardik Grover**, **Short term trainee from Manav Rachana International University Faridabad**
30. **2021** **Adeeba Farooq**, **Short term trainee from Kashmir University**
31. **2022-** **Bhawna Verma**, **Ph.D. student**, Translational Health Science and Technology Institute
32. **2022-** **Jyotsna Dandotia**, **Ph.D. student**, Translational Health Science and Technology Institute
33. **2022-** **Neeta Adhikari**, **Ph.D. student**, Translational Health Science and Technology Institute
34. **2023-** **Ayush Tyagi**, **Ph.D. student**, Translational Health Science and Technology Institute
35. **2023-** **Aakash Goswami**, **Ph.D. student**, Translational Health Science and Technology Institute
36. **2023-** **Atul Kumar**, **Ph.D. student**, Translational Health Science and Technology Institute.

Other activities:

Event organized:

- 1) April 29th, 2015, World Immunology Day was organized at Translational Health Science and Technology Institute (**Chair of the event**)
- 2) August 26th, 2017, Discussion meeting on Liquid Biopsy supported by Wellcome Trust/DBT India Alliance was organized at Translational Health Science and Technology Institute (**Co-organizer of the event**)
- 3) February 1st – 4th, 2018, Cellular and Molecular Immunology Course organized at THSTI.

- 4) November 1st – 3rd, 2018, Immunocon 2018, 45th Annual meeting of Indian Immunology Society at THSTI (**Convener and Organizing Secretary**)
- 5) April 1st – 3rd, 2019, Cellular and Molecular Immunology Course organized at THSTI.
- 6) June 24-28, 2019, All India Institute of Medical Science, Delhi and Translational Health Science and Technology Institute workshop and hands-on-training.
- 7) Oct 12th – 16th 2019, Scientific Organising Secretary of IUIS-IIS-FIMSA Translational Immunology Course at RUHS Jaipur.
- 8) March 16th – 18th, 2020, Cellular and Molecular Immunology Course organized at THSTI.
- 9) October 8th-10th, 2021, 3rd Annual Meeting of Immuno-oncology Society of India (**Organizing Secretary**)
- 10) December 18th – 19th, 2021, 47th Annual meeting of Indian Immunology Society at THSTI (**Organizing Committee Member**)
- 11) July 14th 2022- Inflammation, a one-day Symposium at THSTI.
- 12) May 5th-8th Molecular Immunology Forum at Jim Corbett, Uttarakhand (**Organizing Secretary**).
- 13) Feb 14th 2024 Immunology Course organised at THSTI, Faridabad. (**Convener**).
- 14) Feb 15th-17th 2024, Global Immunology Summit, at THSTI, Faridabad (**Organizing Secretary**).
- 15) April 29th 2024, Day of Immunology at THSTI, Faridabad.

Academics and Teaching experience

- 1) Immunology curriculum was made for Indian Institute of Technology (IIT), Mandi.
- 2) Coordinator of Immunology course for Ph.D. student at Translational Health Science & Technology Institute (**2013-present**): This includes teaching 32 hours teaching every semester, conducting exams and coordinating the Immunology classes with external tutors.
- 3) Immunology curriculum was prepared for Regional Centre for Biotechnology, Faridabad, India
- 4) Teaching Immunology to M.Sc.-Ph.D. integrated program at Regional Centre for Biotechnology (RCB). 2 Credit course

Part III:

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Original Articles

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