Curriculum Vitae

Nagarajan Raju, Ph.D.,
Assistant Professor,
(Associate *Editor in BMC Bioinformatics and Frontiers in Bioinformatics,*
Academic Editor at BioMed Research International and PLoS One,
Editorial Board Member in BMC Medicine, BMC Immunology and Scientific Reports),
Department of Epidemiology and Public Health,
Central University of Tamil Nadu (CUTN),
Thiruvarur, Tamil Nadu, India
Mobile: +91-9790716147 E-mail: nagabioinfostar@gmail.com

Current Position

12/2025 - now	Assistant Professor, Department of Epidemiology and Public Health, Central University of Tamil Nadu, Thiruvarur, Tamil Nadu, India.

Research Interest

Bioinformatics/Computational Biology, Immunoinformatics/Computational Immunology, Computational Methods/Algorithm Development, Antibody Discovery and Repertoire Analysis, Bulk and scRNA-seq Analysis, DNA/RNA/Protein Binding Residues Analysis and Prediction, Epitope/Paratope Analysis and Prediction, Database, and Web-tool Development.

Education

2012-2016	Ph.D. in Bioinformatics/Computational Biology **(CGPA: 8.5)** Indian Institute of Technology Madras (IIT), Chennai, India Advisor: Prof. M. Michael Gromiha Thesis: Protein Nucleic-acid Interactions: Computational Analysis, Prediction and Development of Web Applications
2008-2010	M.Sc. in Bioinformatics (Percentage: 80) Bharathidasan University (BDU), Tamil Nadu (TN), India
2005-2008	B.Sc. in Bioinformatics (Percentage: 81) Arignar Anna Govt. Arts College (affiliated with BDU), TN, India
2004-2005	Higher Secondary Certificate (HSC) (Percentage: 91.7) Govt. Boys Higher Secondary School, TN, India
2002-2003	Secondary School Leaving Certificate (SSLC) (Percentage: 90.4) Govt. Boys Higher Secondary School, TN, India

Research Experience

03/2022 – 12/2025	Associate Scientist Bioinformatics, Emory National Primate Research Center, Emory University, Atlanta, GA, USA Advisor: Dr. Steven Bosinger

11/2020 - 03/2022	Staff Scientist, Vanderbilt Vaccine Center, Department of Pathology, Microbiology, Immunology, Vanderbilt University Medical Center (VUMC), Nashville, TN, USA Advisor: Prof. Ivelin Georgiev
04/2016 - 11/2020	Post-doctoral Research Fellow, Vanderbilt Vaccine Center, Department of Pathology, Microbiology, Immunology, Vanderbilt University Medical Center (VUMC), Nashville, TN, USA Advisor: Prof. Ivelin Georgiev
11/ 2015 - 04/2016	Institute Pre-Doctoral Fellow (Equivalent to IIT Post-doc), IIT Madras, India Advisor: Prof. M. Michael Gromiha
08/2010 - 12/2011	Project Assistant, Bioinformatics Centre, Indian Institute of Science (IISc), Bangalore, India Advisor: Prof. K. Sekar
01/2010 - 05/2010	Project Student, Bioinformatics Centre, IISc, Bangalore, India Advisor: Prof. K. Sekar

Teaching Experience

12/2011 - 4/2016	Teaching Assistant for all the Bioinformatics Courses and Practical, Department of Biotechnology, IIT Madras, India

National Level Certifications

2012	Qualified Bioinformatics National Certification (**BINC**) (All India Rank: 31)
2010	Qualified Graduate Aptitude Test in Engineering (**GATE**) in Biotechnology

Awards

2025	Editor of Distinction award (BMC Bioinformatics) by Springer Nature
2019-20	Selected as a Bentham brand ambassador by Bentham science publishers.
2019	Top peer reviewer in Multidisciplinary/Cross field by Publons.
2016	Outstanding nomination for Bioclues Innovation, Research and Development (BIRD) award by Bioclues organisation
2015	AU-CBT Excellence award by Biotech Research Society of India (BRSI)
2015	Research award from IIT Madras in recognition of quality and quantity of research work done
2014	Incentive award for the best paper from Department of Biotechnology (DBT), government of India
2012-15	Half time research assistantship by IIT Madras for doctoral research
2008	University 2nd rank in B.Sc. Bioinformatics

Travel Awards

2016	Program: Immune epitope database workshop Sponsor: National institute of health, USA

2015	Program: ISMB/ECCB conference Sponsor: International society of computational biology
2015	Program: ISCB student council symposium Sponsor: IIT Madras alumni association
2015	Program: ISMB/ECCB conference Sponsor: Department of science and technology (not availed)
2015	Program: ISCB student council symposium Sponsor: Tamilnadu state council for Science and Technology (not availed)
2014	Program: InCoB conference Sponsor: Asia pacific bioinformatics network

Patent

2021 Recombinant vaccines and methods of use thereof (PCT/US2021/026572) **(Contribution: Inventor)**

Algorithm/Methods/Databases/Web Servers Developed (11)

2021 **NFP-Den**: Neutralization fingerprinting technology to delineate antibody specificities and patterns of dengue neutralization in human vaccines (standalone)

2020 **StrainSelect:** Algorithm for the selection of optimized virus panel for the vaccine/nanoparticle development (standalone)

2020 **ZFARED**: Database of antioxidant response elements in Zebrafish (weblink)

2019 **NFPws**: Web server for delineating broadly neutralizing antibody specificities from serum HIV-1 neutralization data (weblink)

2016 **CPAD**, curated protein aggregation database: a repository of manually curated experimental data on protein and peptide aggregation (weblink)

2016 **PDBparam**: resource for computing structural parameters of proteins (weblink)

2014 **GAP**: towards almost 100 percent prediction for β-strand-mediated aggregating peptides with distinct morphologies (weblink) **(*purchased by Pfizer*)**

2014 **Best-predR**: Structure and function-based selection of best predictors for identifying the binding sites in RNA binding proteins (weblink)

2014 **SBPS**: Database of salt bridges in protein structures (weblink)

2013 **Best-predD**: Novel approach for selecting the best predictor for identifying the binding sites in DNA binding proteins (weblink)

2012 **Fragment Finder 2.0**: Tool to identify structurally similar fragments (weblink)

Publications (49) (Impact factor: 438.2, citations: 2089, H-index: 21, i10-index: 28) (Google scholar)

Journal articles/Book chapters/Meeting abstracts, as first author (15)

2024 **Nagarajan R***, Kramer K*, Cavallaro M, Diotti RA, Shiakolas AR, Mota YC *et al*. (2024) Multiplexed antibody sequencing and profiling of the human HA-specific memory B cell response following influenza vaccination, ***Journal of Immunology***, 213(11), 1605-1619 (***Equal first author)**

2022 **Nagarajan R***, Xiaoyan Zhan*, Subash Das, Lovkesh Karwal, Hansi J. Dean, James E. Crowe Jr., Robert H. Carnahan and Georgiev IS (2022) Neutralization Fingerprinting Technology for Characterizing Polyclonal Antibody Responses to Dengue Vaccines, ***Cell Reports***, 41(11), 111807.

2022 Amyn AM*, **Nagarajan R*** *et al*. (2022) Sequence and functional properties of a public HIV-specific antibody clonotype, ***iScience,*** 25 (1), 103564.

2021 Raghunath A*, **Nagarajan R*** and Sundarraj K. (2021). The Keap1-Nrf2 signalling pathway in lung cancer. In: Handbook of Oxidative Stress in Cancer: Mechanistic Aspects. Springer Nature Singapore Pte. Ltd. (Book chapter).

2019 **Nagarajan R,** Setliff I and Georgiev IS (2019) NFPws: A web server for delineating broadly neutralizing antibody specificities from serum HIV-1 neutralization data. ***Bioinformatics***, 35(18), 3502-3504.

2020 Raghunath A*, **Nagarajan R*** and Perumal E (2020) ZFARED: a database of the antioxidant response elements in Zebrafish. ***Current Bioinformatics,*** 15(5), 415-419.

2019 Raghunath A*, **Nagarajan R*,** Sundarraj K, Palanisamy K and Perumal E (2019) Identification of compounds that inhibit the binding of Keap1a/Keap1b Kelch DGR domain with Nrf2 ETGE/DLG motifs in zebrafish. ***Basic & Clinical Pharmacology & Toxicology***, 125(3), 259-270.

2018 Raghunath A*, **Nagarajan R***, Sundarraj K, Panneerselvam L and Perumal E (2018) Genome-wide identification and analysis of Nrf2 binding sites–Antioxidant response elements in zebrafish, ***Toxicology and applied pharmacology***, 360, 236-248.

2016 **Nagarajan R**, Archana A, Thangakani AM, Velmurugan D and Gromiha MM (2016) PDBparam: Online resource for computing structural parameters of proteins. ***Bioinformatics and Biology Insights***, 10, 73-80.

2016 **Nagarajan R** and Gromiha MM. (2016) Computational Analysis of Similar Protein-DNA Complexes from Different Organisms to Understand Organism Specific Recognition, ***Lecture Notes in Computer Science***, 888-894. (Book chapter)

2016 **Nagarajan R**, Chothani SP, Ramakrishnan C, Sekijima M and Gromiha MM. (2016) Organism specific protein-RNA recognition: A computational analysis of protein-RNA complex structures from different organisms, ***BMC Bioinformatics,*** 17, 205-206. (Meeting Abstract)

2015 **Nagarajan R**, Chothani SP, Ramakrishnan C, Sekijima M. and Gromiha MM. (2015) Structure based approach for understanding organism specific recognition of protein-RNA complexes. ***Biology Direct***, 10, 8.

2014 **Nagarajan R**. and Gromiha MM. (2014) Prediction of RNA binding residues: An extensive analysis based on structure and function to select the best predictor. ***PLoS One***, 9 (3), e91140.

2013 **Nagarajan R**, Ahmad S. and Gromiha MM. (2013) Novel approach for selecting the best predictor for identifying the binding sites in DNA binding proteins. ***Nucleic Acids Research***, 41 (16), 7606-7614.

2012 **Nagarajan R**, Siva Balan S, Sabarinathan R, Kirti vaishnavi M. and Sekar K. (2012) Fragment Finder 2.0 – a computing server to identify structurally similar fragments. ***Journal of Applied Crystallography***, 45, 332-334.

Journal articles/Book chapters, as contributing author (34)

2025 Ayelet Peres, Amit A Upadhyay, Vered Hana Klein, Swati Saha, Oscar L Rodriguez, Zachary M Vanwinkle, Lukas Granholm, Kirti Karunakaran, William Lauer, Mark C Lin, Timothy Melton, Amanda Metz, Pazit Polak, **Nagarajan Raju**, Kaitlyn Shields, Steven Schultze, Thang Ton, Adam Ericsen, Stacey A Lapp, Melissa Smith, William Lees, Corey T Watson, Gur Yaari, Steven E Bosinger, A Broad Survey and Functional Analysis of Immunoglobulin Loci Variation in Rhesus Macaques, ***Immunity***, in press.

2024 Peter D. Kwong, Hua Wang Cheng, James L. Dal Santo, Chen-Hsiang Shen, Tatsiana Bylund, …….. Amarendra Pegu; **Nagarajan R**; Reda Rawi *et al.* (2024) Potent cross-reactive HIV-1 neutralization in fusion peptide-primed SHIV-infected macaques, ***Cell*** , 187(25), 7214-7231.

2024 Alexandra A. Abu-Shmais, Rose J. Miller, Alexis K. Janke, Rachael M. Wolters, Clinton M. Holt, **Nagarajan R**, Robert H. Carnahan, James E. Crowe Jr, Jarrod J. Mousa and Ivelin S. Georgiev (2024) Potent HPIV3-neutralizing IGHV5-51 antibodies identified from multiple individuals show light chain and CDRH3 promiscuity, ***Journal of Immunology***,212(9), 1450-1456.

2024 Qiankun Wang, Kolin M. Clark, Ritudwhaj Tiwari, **Nagarajan R**, Gregory K Tharp, Jeffrey Rogers, R. Alan Harris, Muthuswamy Raveendran, Steven E. Bosinger, Tricia H Burdo, Guido Silvestri and Liang Shan (2024) The CARD8 Inflammasome Dictates HIV/SIV Pathogenesis and Disease Progression, ***Cell*****,** 187(5), 1223-1237.

2024 Matthew J Vukovich, **Nagarajan R**, Prudence Kgagudi, Nelia P Manamela, Alexandra A Abu-Shmais, Kathryn R Gripenstraw, Perry T Wasdin, Shaunna Shen, Bridget Dwyer, Jumana Akoad, Rebecca M Lynch, David C Montefiori, Simone I Richardson, Penny L Moore and Ivelin S Georgiev (2024) Development of LIBRA-seq for the Guinea Pig Model System as a Tool for the Evaluation of Antibody Responses to Multivalent HIV-1 Vaccines, ***Journal of Virology,*** 98(1), e0147823.

2023 Schommers P, Dae Sung Kim, Schlotz M, Kreer C, Eggeling R, Hake A, Stecher M, Park J, Meryem S. Ercanoglu, Henning Gruell, Gieselmann L, Elvin Ahmadov, Rene Y. Lawong, Eva Heger, Elena Knops, Christoph Wyen, Tim Kümmerle, Katja Römer, Stefan Scholten, Timo Wolf, Christoph Stephan, Isabelle Suárez, **Nagarajan R**, Adhikari A, *et al*. (2023) Dynamics and durability of HIV-1 neutralization are determined by viral replication, ***Nature Medicine***, 29, 2763–2774.

2023 Pilewski K, Wall S, Richardson S, Clark K, Hermanus T, Binshtin E, Venkat R, Sautto G, Kramer K, Shiakolas A, Setliff I, Salas J, Mapengo R, Suryadevara N, Brannon J, Beebout C, Parks R, **Nagarajan R** *et al*. (2023) Functional HIV-1/HCV cross-reactive antibodies isolated from a chronically co-infected donor, ***Cell Reports***, 42(2), 112044

2022 Kramer K, Wilfong EM, Voss K, Barone SM, Roe CE, Shiakolas AR, **Nagarajan R** *et al*. (2022) Single Cell Profiling Reveals BNT162b2 SARS-CoV-2 RNA Vaccine Antigen-Specific Lymphocyte Subsets, ***Nature Communications,*** 13, 3466.

2022 Shiakolas AR, Johnson N, Kramer KJ, Suryadevara N, Wrapp D, Periasamy S, Pilewski KA, **Nagarajan R** *et al*. (2022) Efficient discovery of potently neutralizing SARS-CoV-2 antibodies using LIBRA-seq with ligand blocking, ***Nature Biotechnology, 40***, 1270–1275.

2022 Walker LM, Shiakolas A, Venkat R, Zhaojing Ariel Liu, Wall S, **Nagarajan R** *et al*. (2022) High-Throughput B Cell Epitope Determination by Next-Generation Sequencing, ***Frontiers in Immunology***, 13, 855772.

2021 Kramer K, Johnson N, Shiakolas A, Suryadevara N, Periasamy S, **Nagarajan R**, *et al*. (2021) Ultra-potent neutralization of SARS-CoV-2 variants of concern by an antibody with a unique genetic signature and structural mode of spike recognition, ***Cell Reports,*** 37(1), 109784.

2021 Shiakolas A, Kramer K, Wrapp D, Schäfer A, Richardson S, Wall S, Wang N, Janowska K, Pilewski K, Venkat R, **Nagarajan R** *et al*. (2021) Cross-reactive coronavirus antibodies with diverse epitope specificities and Fc effector functions, ***Cell Reports Medicine,*** 2(6), 100313.

2021 Raghunath A, **Nagarajan R**, Sundarraj K and Panneerselvam L (2020) Noncoding RNAs regulation of redox balance in cancer, In: S. Chakraborti et al. (eds), Handbook of Oxidative Stress and Cancer. Springer Nature Singapore Pte. Ltd (Book chapter).

2020 Ndlovu B, Gounder K, Muema D, **Nagarajan R** *et al*. (2020) Envelope characteristics in Individuals who Developed Neutralising Antibodies Targeting Different Epitopes in HIV-1 Subtype C Infection, **Virology**, 546, 1-12.

2020 Dhanusha Y, Ambuj S, Nisha M, Kulandaisamy A, **Nagarajan R** and Gromiha MM (2020) Prediction of nucleic acid binding proteins and their binding sites, Protein Interactions: Computational Methods, Analysis and Applications (Book chapter).

2020 Ramakrishnan C, **Nagarajan R** and Gromiha MM (2020) Molecular dynamics simulations of cognate and non-cognate AspRS-tRNAAsp complexes, ***Journal of Biomolecular Structure and Dynamics,*** 1-9.

2020 Ambuj S, Dhanusha Y, Kulandaisamy A, Nisha M, Ramakrishnan C, **Nagarajan R** and Gromiha MM (2020) Computational approaches for understanding the recognition mechanism of protein-nucleic acid complexes, Protein Interactions: Computational Methods, Analysis and Applications, World scientific (Book chapter).

2020 Redd AD, Doria-Rose NA, Weiner JA, Nason M, Seivers M, Schmidt SD, Laeyendecker O, Martens C, Bruno D, Keele BF, **Nagarajan R** *et al.* (2020) Longitudinal antibody responses in people who inject drugs infected with similar HIV strains, ***Journal of Infectious Diseases***, 221(5), 756-765.

2019 Kramer KJ, **Nagarajan R**, Greenplate A, Pilewski K, Massion P and Georgiev I (2019) Therapeutic antibody discovery in lung tumours by B-cell receptor sequencing. ***The Journal of Immunology***, 202 (1 Supplement) 138.7 (Meeting abstract)

2019 Gromiha MM, **Nagarajan R** and Selvaraj S (2019). Protein Structural Bioinformatics: An Overview. ***Encyclopedia of Bioinformatics and Computational Biology***, 445-459 (Book chapter).

2019 Setliff I, Shiakolas AR, Pilewski K, Murji AA, Ziki R, Janowska K, Richardson S, Mynhardt C, **Nagarajan R** *et al.* (2019). High-throughput mapping of B-cell receptor sequences to antigen specificity. ***Cell***, 179 (7), 1636-1646.

2018 Setliff I, McDonnell WJ, **Nagarajan R**, Bombardi RG, Murji AA, *et al*. (2018) Multi-Donor Longitudinal Antibody Repertoire Sequencing Reveals the Existence of Public Antibody Clonotypes in HIV-1 Infection. ***Cell host & microbe***. 23(6):845-854

2018 Kulandaisamy A, Srivastava A, Kumar P, **Nagarajan R**, Priya B and Gromiha MM. (2018) Identification and analysis of key residues in protein-RNA complexes. ***IEEE/ACM Transactions on Computational Biology and Bioinformatics,*** 15(5), 1436-44.

2018 Kulandaisamy A, Srivastava A, **Nagarajan R** and Gromiha MM. (2018) Dissecting and analysing key residues in protein-DNA complexes, ***Journal of Molecular Recognition,*** 31 (4), e2692

2018 Raghunath A, Sundarraj K, **Nagarajan R**, Arfuso F, Jinsong B, Kumar AP, Sethi G and Perumal E (2018) Antioxidant response elements: Discovery, classes, regulation and potential applications, ***Redox biology***, 17, 297-314.

2017 Cale EM, Gorman J, Radakovich NA, Crooks ET, Osawa K, Tong T, Li J, **Nagarajan R**, Ozorowski G, *et al*. (2017) Virus-like Particles Identify an HIV V1V2 Apex-Binding Neutralising Antibody that Lacks a Protruding Loop. ***Immunity***, 46(5), 777-791.

2017 Surdel MC, Horvath DJ Jr, Lojek LJ, Fullen AR, Simpson J, Dutter BF, Salleng KJ, Ford JB, Jenkins JL, **Nagarajan R**, Teixeira PL, *et al.* (2017) Antibacterial photosensitization through activation of coproporphyrinogen oxidase. ***Proceedings of the National Academy of Sciences***, 114 (32), E6652-E6659.

2016 Thangakani AM, **Nagarajan R**, Kumar S, Sakthivel R, Velmurugan D and Gromiha MM (2016) CPAD, curated protein aggregation database: a repository of manually curated experimental data on protein and peptide aggregation, ***PloS one***, 11 (4), e0152949.

2016 Katie W, Mehedi H, Margherita F, Jakob J, Gonzalo RP, Bart C, Dan D, Alexander J, Anupama J, Farzana R, Griet L, Sander W, Lieven T, Yves M, **Nagarajan R**, Sonia PC *et al.* (2016) Highlights from the 11th ISCB Student Council Symposium 2015, ***BMC bioinformatics*** 17 (3), 95

2016 Kumar S, Thangakani AM, **Nagarajan R,** Singh SK, Velmurugan D and Gromiha MM. (2016) Autoimmune responses to soluble aggregates of amyloidogenic proteins involved in neurodegenerative diseases: overlapping aggregation prone and auto-immunogenic regions. ***Scientific Reports***, 6, 22258.

2014 Thangakani AM, Kumar S, **Nagarajan R**, Velmurugan D and Gromiha MM. (2014) GAP: Towards almost hundred percent prediction for β-strand mediated aggregating peptides with distinct morphologies. ***Bioinformatics***, 30 (14), 1983-1990.

2014 Gurusaran M, Shankar M, **Nagarajan R**, Helliwell JR. and Sekar K. (2014) Do we see what we should see? Describing non-covalent interactions in protein structures including precision. ***IUCrJ***, 1 (1), 74-81.

2013 Gromiha MM and **Nagarajan R.** (2013) Computational approaches for predicting the binding sites and understanding the recognition mechanism of protein-DNA complexes. ***Advances in Protein Chemistry and Structural Biology***, 91, 65-99 (Book chapter).

2012 Uthayakumar M, Sanjeev Patra, **Nagarajan R.** and Sekar K. (2012) Sequence-Structure similarity: Do sequentially identical peptide fragments have similar Three-Dimensional Structures? ***Current Bioinformatics***, 7, 111-115.

Manuscripts under review/preparation (1)

2025 Edwards, Christopher, Silva-Trenkle, Aaron, Sahoo, Anusmita, **Nagarajan Raju**, Ton, Thang, Metz, Amanda, McGhee, Emily, Charles, Tysheena, Saini, Ankur, Pellegrini, Kathryn, Lapp, Stacey, Upadhyay, Amit, Rui Kong, Wrammert, jens, Derdeyn, Cindy, Amara, Rama, Kwong, Gabriel, Bosinger, Steven. Non-human primate LIBRA-Seq accelerate neutralizing antibody discovery in RM vaccinated against HIV-1(biorxiv)

Editorial Membership (handled 130+ manuscripts) (Web of Science)

Academic/Associate Editor

2025-now	Editorial board member in **BMC Immunology** (IF: 2.9)
2025-now	Editorial board member in **Scientific reports** (IF:3.8)
2024-now	Academic editor in **International journal of Microbiology** (IF: 2.8)
2023-now	Editorial board member in **BMC Medicine** (IF: 9.3)
2023-now	Associate editor in **Frontiers in Bioinformatics** (Single cell Bioinformatics) (IF: 2.8)
2023-now	Academic editor in **PeerJ** (IF: 3.061)
2022-now	Academic editor in **PLoS One** (IF: 3.752)
2020-now	Associate editor in **BMC Bioinformatics** (IF: 3.169)
2019-now	Academic editor in **BioMed Research International** (IF: 2.5)
2019-2020	Associate editorial board Member in Current Bioinformatics (IF: 1.189)
2019-2020	Associate editorial board Member in Current Protein Peptide Science (IF: 1.885)

Review Editor

2019-now	Review editor in Frontiers in Plant Science (IF: 4.298)
2019-now	Review editor in Frontiers in Genetics (IF: 3.517)
2019-now	Review editor in Frontiers in Bioengineering and Biotechnology (IF: 5.122)

Reviewer (181+ times of 137+ manuscripts) (Web of Science)

Journals	Scientific Reports, Briefings in Bioinformatics, BMC Bioinformatics, BMC Immunology, PLoS Computational Biology, PLoS One, Journal of Bioinformatics and Computational Biology, Current Bioinformatics, Bioinformatics and Biology Insights, Current science, Infection and Drug Resistance, Journal of Integrative Bioinformatics, Genes, Communications Biology, Database, Current protein and peptide science.
Meetings	ISCB Student Council symposium (2016, 2018, 2019), International conference on Intelligent Computing (2013, 2015, 2016, 2018, 2020), International conference on Bioinformatics (2018).

Conference/Symposium/Workshop/Seminar

Selected Talks

2019	13th Annual Vanderbilt Postdoc Symposium, Vanderbilt University, USA
2015	11th ISCB Student Council Symposium (SCS), Dublin, Ireland
2014	6th International Symposium on Recent Trends in Macromolecular Structure and Function, University of Madras, Chennai, India
2013	Biotech Meet of Research Scholars Symposium, IIT Madras, Chennai, India

Posters

2019	Vanderbilt Institute for Infection, Immunology and Inflammation (VI4) Annual Symposium, VUMC, USA

2019	13th Annual Vanderbilt Postdoc Symposium, Vanderbilt University, USA
2018	Vanderbilt Institute for Infection, Immunology and Inflammation (VI4) Annual Symposium, VUMC, USA
2018	Vanderbilt Postdoc Symposium, VUMC, USA
2017	Vanderbilt Institute for Infection, Immunology and Inflammation (VI4) Annual Symposium, VUMC, USA
2015	3rd IITM - Tokyo Tech Joint Symposium on Algorithms and Applications of Bioinformatics, IIT Madras, Chennai, India
2015	23rd ISMB and 14th ECCB, Dublin, Ireland
2015	11th ISCB Student Council Symposium (SCS), Dublin, Ireland
2014	13th International Conference on Bioinformatics (InCoB), Sydney, Australia
2013	2nd IITM - Tokyo Tech Joint Symposium on Techniques and Applications of Bioinformatics, IIT Madras, Chennai, India
2013	International Conference on Biomolecular Forms and Functions, IISc, India

Participations

2023	IEDB user workshop (virtual)
2023	Single Cell analysis Bootcamp (Virtual)
2022	IEDB user workshop (virtual)
2022	AIRR meeting, San Diego, CA
2021	IEDB user workshop (virtual)
2021	4th Annual VI4 Symposium, VUMC, USA
2019	IEDB user workshop at NIAID, NIH, USA
2019	Vanderbilt Symposium on Modelling Immunity, VUMC, USA
2018	Universal Influenza Vaccine Submit, Nashville, USA
2017	Southeastern Immunology Symposium, VUMC, USA
2017	Rosetta software workshop and symposium, VUMC, USA
2016	IEDB workshop held by NIH at La Jolla Institute, USA
2016	NGS workshop, Strand Life Sciences at IIT Madras
2012	International Interdisciplinary Science Conference on Protein Folding and Diseases, Jamia Milia Islamia, New Delhi , India
2010	Eighth Asia Pacific Conference in Bioinformatics, IISc, India
2010	Workshop on Structure, Function and Design of Biomolecules, Bharathiar University, Tamilnadu, India

Professional Memberships

International	International Society of Computational Biology (ISCB) Asia Pacific Bioinformatics Network (APBioNet) The Antibody Society
National	Biotech Research Society of India (BRSI) BIOinformatics CLUb for Experimenting Scientists (BIOCLUES)

Society of Biological Chemists (SBC)