Curriculum Vitae

Name: Reshma Taneja
Title: Professor & Head
Contact: Department Physiology, National University of Singapore, Singapore 117593
Phone: (65) 6516 3222/3236
Fax: (65) 6778 8161
E-mail:phsrt@nus.edu.sg

Education

1981-1984: B.Sc MG Science College, Ahmedabad, India
1984-1986: M.Sc MS University, Vadodara, India
1987-1993: Ph.D. Indian Institute of Science, Bangalore India (Advisor: Prof K.P. Gopinathan)

Postdoctoral Training

1992-1997: IGBMC, Strasbourg, France (Advisor: Prof. Pierre Chambon)

Academic Appointments

Current:

2020-present: Head, Department of Physiology, National University of Singapore
2019-2020: Acting Head, Department of Physiology, National University of Singapore
2018-2019: Deputy Head, Department of Physiology, National University of Singapore
2020-present: Professor, Department of Physiology, National University of Singapore
2008-2019: Associate Professor, Department of Physiology, National University of Singapore,
2009-present: Member, NUS Graduate School for Integrative Sciences and Engineering (NGS)

Past:

2002-2008. Associate Professor, Dept. of Developmental and Regenerative Biology, Mt Sinai School of Medicine, New York
Member, Black Family Stem Cell Institute, Mt Sinai School of Medicine, New York
Member, Dept. of Oncological Sciences, Mt Sinai School of Medicine, New York
1997-2002. Assistant Professor, Dept. of Developmental and Regenerative Biology, Mt Sinai School of Medicine, New York USA

Honors, Awards and Fellowships

2021: Venus International Women's Award (Distinguished Woman Researcher)
2020: Yong Loo Lin School of Medicine Teaching Excellence Award AY2018/2019, NUS
2019: Graduate Mentor of the Year (GRAMAY) Award, Yong Loo Lin School of Medicine, NUS,
2018: Faculty Research Excellence Award, Yong Loo Lin School of Medicine, NUS, Singapore

2014: NGS Teaching Commendation Award, NUS, Singapore
2013: NGS Teaching Commendation Award, NUS, Singapore
2012: Faculty Research Excellence Award, Yong Loo Lin School of Medicine, NUS, Singapore
2012: Swee Liew-Wadsworth Research Award, Dept. of Physiology, NUS
2002-2007: Scholar Award, The Leukemia and Lymphoma Society, USA
2001-2002: Charlotte-Geyer Foundation Award, USA
1998-2001: Basil O'Connor Research Award, USA
1998:Dean's Research Incentive Award, MSSM, USA
1996-1997: University Louis Pasteur Fellowship, France
1995-1996: Bourse de Directeur d'Equipe, Poste Rouge, CNRS, France
1993-1995: Fondation pour la Recherche Medicale, France
1993: M. Sreenivasaiah Gold medal, awarded for best Ph.D. Thesis, India
1987-1992: Predoctoral Fellowship, University Grants Commission, India
1984: Gold medal, awarded for highest university ranking in B.Sc. India

Professional Service

Editorial Board Membership

2020-present: Editorial Board, Nucleic Acids Research Cancer
2018-present: Editorial Board, Journal of Molecular Cell Biology https://academic.oup.com/jmcb
2013-2021: Editorial Board, Differentiation
2015-2020: Editorial Board, Scientific Reports
2012-2018: Academic Editor, PLoS ONE
2011-2015: Editorial Board, Open Journal of Genetics
2011-2013: Editorial Board, American Journal of Molecular Biology

Editor of Books

Taneja R (Ed.) 2014. ***Current Topics in Developmental Biology****:* Vol. 110*, bHLH Transcription Factors in Development and Disease* (pp 381). Academic Press, Elsevier Inc
Taneja R (Ed.) 2006**.** ***Advances In Developmental Biology****:* Vol. 16, *Nuclear Receptors In Development* 448 pages Elsevier Press, Amsterdam

Grant Reviews/Panels

As member:
2020-present:Member, National Medical Research Council (NMRC) OF-YIRG Local Panel, Singapore
2020-present:Member, NUHS Internal Grants Review Committee, NUS
2014-2020:Member, National Medical Research Council (NMRC) OF-IRG Local Panel, Singapore
2012-2018:Member, NUHS Internal Grants Review Committee, NUS
2004-2006: Member, NIH, NCI-I Study Section, USA
2000-2002: Member, Cell Biology Study Section, Department of Defense Breast Cancer Research Program, USA
Ad-hoc reviewer:
National Science Foundation (NSF), USA; Natural Sciences and Engineering Research Council of Canada (NSERC) Canada; L'Agence Nationale de la Recherche, France; Association Française Contre Les Myopathies (AFM) Telethon, Italy; Children's Cancer and Leukemia Group (CCLG), UK;

Medical Research Council, UK; The Wellcome Trust, UK; Big C Grants Norwich, Worldwide Cancer Research (formerly AICR); Israeli Ministry of Science, Technology and Space; Israel Science Foundation; Research Grants Council, Hong Kong; National Research Foundation, South Korea; RC1 Challenge Grants, NIH, USA; NIH, Tumor Cell Biology (TCB) Study Section, USA; Concept Awards, Breast Cancer Research Program Department of Defense USA; NIH, Metabolic Pathology (MEP) Study Section; NCI-I Study Section USA; Bridging Grants Review Committee, NUS

Faculty, University, and International Committees

2021: Member, Academic Affairs Committee, ISEP, NUS
2020: Invited to nominate candidates for Nobel Prize in Physiology/Medicine 2021
2017: Member, Teaching Evaluation Committee (Dr. Takomi Sanda, Dept. of Medicine/CSI)
2017: Member, Teaching Evaluation Committee (Dr. Sudhakar Jha, Dept. of Biochemistry)
2017: Member, Teaching Evaluation Committee (Dr. Long Yun Chau, Dept. of Biochemistry)
2016: NGS student recruitment trip, Pune, India.
2016: Member, Teaching Evaluation Committee (Dr. Yanika Kowitlawakul, Alice Lee Center for Nursing Studies)
2015: Member, Teaching Evaluation Committee (Dr. Wu Qiang, Dept. of Biochemistry)
2015: Member, Teaching Evaluation Committee (Dr Lim Yoon Pin, Dept. of Biochemistry)
2014-2016: Member, School of Medicine Research Strategy Committee, NUS
2014: Member, Teaching Evaluation committee (Prof Shen Han-Ming, Dept. of Physiology)
2012-present: Member, International Organizing Committee, Asian Conference on Transcription
2012-2018: Member, NGS Executive Committee (EXCO), NUS
2012-present: Member, NUHS Internal Grants Review Committee
2011: Member, Teaching Evaluation committee (Prof Lim Kah Leong, Dept. of Physiology)
2010- 2012: Chairperson, NUHS/SoM Research Website Committee
2009-present: Member, Research Task Force Committee, NUHS
2009: Recruitment committee Alice Lee Center for Nursing Studies, NUS
2006-2008: Radiation Safety Officer Search Committee, Mt Sinai School of Medicine
2004-2008: Member, Radioisotope Use and Radiation Safety Committee, Mt Sinai School of Medicine
1999-2000: Faculty Search Committee, Dept. of Oncological Sciences, Mt Sinai School of Medicine

Departmental Committees

2018-present: Chair, Swee Liew Wadsworth Endowment Fund Oversight Committee
2019-present: Chair Senior Management Committee, Dept. of Physiology, NUS
2018-2019: Chair, Space & Equipment Committee
2018-2019: Member Dept. Search Committee, NUS
2018: Chair, MTAR Committee Dr Karthik Mallilankaraman
2018: Member, Dept. Evaluation Committee for Dr. Thai Tran
2011-2018: Member, Swee Liew Wadsworth endowment fund oversight committee
2016-2018: Program Director, Muscle Biology
2016-2018: Organizer, Physiology Lecture Series
2013-2015: Chairperson, Dept. Search Committee, NUS
2009-2016: Research Director, Dept. of Physiology, NUS

2008-2010: Member, Dept. Evaluation Committee (DEC), Dept. of Physiology NUS
2008-2011: Member, Dept. Search Committee, Dept. of Physiology, NUS
2008-2009: Co-Chair, Safety Committee, Dept. of Physiology, NUS
2008-2010: Member, Space committee, Dept. of Physiology, NUS
2008-2009: Coordinator, Seminar Programs, Dept. of Physiology, NUS
2001-2002: Member, Faculty Search Committee, Dept. of Developmental and Regenerative Biology, Mt Sinai School of Medicine

Conferences Organized

2022: **NUC-CMU Joint Symposium**, NUS, Singapore Feb 24-25
2018: **1st Muscle Biology in Health and Disease**, NUS, Singapore (Mar 1-2)
2015: **Asian Conference on Transcription**, NUS, Singapore (Dec 3-4)
2014: **Asian Conference on Transcription**, University College Melbourne, Australia (Feb 19-21)
2013: **3rd Indian Ocean Rim Muscle Colloquium** NTU-LKC, Singapore (Dec 12-13)
2010: **Models of Physiology and Disease Symposium** NUS, Singapore (Aug 2-3)

Manuscript Reviews

Nature Medicine**,** Nature Communications, Science Advances, J Clinical Investigation, Nucleic Acids Research, Stem Cell Reports**,** Immunity**,** Chemistry and Biology**,** PNAS, Cancer Research, Oncogene, Biomaterials, Redox Biology, Clinical Cancer Research, Science Advances, Theranostics, Cell Death and Differentiation, Aging Cell, J of Pathology, Human Molecular Genetics, J Biological Chemistry, Signal Transduction and Targeted Therapy, Molecular and Cell Biology, PLoS ONE, Journal of Molecular Endocrinology, Journal of Molecular Biology, Developmental Dynamics**,** Experimental Cell Research, Molecular Cancer, Molecular Cancer Therapeutics, Gene, BBA, International Journal of Cancer, J of Nutrition, FEBS Lett, IUBMB Life, Journal of Zhejiang University

Professional Affiliations

2003-present: American Society for Biochemistry and Molecular Biology (ASBMB)
2001-present: American Association for Cancer Research (AACR)

EDUCATION

Leadership in Teaching

Development of New Modules

2013: LSM4210 (**Advanced Topics in Biomedical Science)** jointly offered by NUS and Univ of Copenhagen
2013: MDG5224 (**Animal Models of Human Diseases**), NUS
2012: MDG5223 (**Stem Cells and Regenerative Medicine**), NUS
2011: GS6882A **(Biology of Disease**), NGS, NUS

Module Coordinator

2015-present: LSM4243 (Tumor Biology), NUS
2012-present: MDG5223 (Stem Cells and Regenerative Medicine), NUS
2011-present: GS6882A (Biology of Disease), NGS, NUS
2013: MDG5224 (Animal Models of Human Diseases), NUS

2009-2011: PY1105/PY1106/MD1130A, NUS
2007-2008: Co-Director, Molecular, Cellular, Biochemical and Developmental Sciences (MCBDS) Graduate Training Program, Mt Sinai School of Medicine
2001-2005: Co-Director, Advanced Topics in MCBDS, Mt Sinai School of Medicine
2001-2006: Director, Introduction to Journal Club, Mt Sinai School of Medicine

Teaching Activities

Graduate Teaching

2012-present: MDG5223 (Stem Cells and Regenerative Medicine), NUS
2011-present: GS6882A (Biology of Disease), NGS
2013: MDG5224 (Animal Models of Human Diseases), NUS
2010-2012: MDG5101 (Advanced Cell Biology), NUS
2006-2007: Core III (Muscle development), Mount Sinai School of Medicine
2005-2007: Core II (Apoptosis and senescence), Mount Sinai School of Medicine
2001-2005: Advanced Topics in MCBDS, Mount Sinai School of Medicine
2000: Molecules and Cells, Mount Sinai School of Medicine
1999-2007: Advanced Topics in Signal Transduction, Mount Sinai School of Medicine
1998-1999: Introduction to Journal Club, Mount Sinai School of Medicine

Undergraduate Teaching

2019-present: LSM4210 (Advanced Topics in Biomedical Science) NUS
2018: Advanced Topics in Biomedical Science-Neuromuscular Development and Disease, NUS-U Copenhagen Joint Summer School (July 2- July 20), NUS
2017: Advanced Topics in Biomedical Science-Neuromuscular Development and Disease, NUS-U Copenhagen Joint Summer School (July 2- July 22), Denmark
2016: Advanced Topics in Biomedical Science-Metabolic Disorders, NUS-U Copenhagen Joint Summer School (June 27-July 16), NUS
2015: Advanced Topics in Biomedical Science-Metabolic Disorders, NUS-U Copenhagen Joint Summer School (June 28-July 18), NUS
2014: Advanced Topics in Biomedical Science-Neuromuscular Development and Disease, NUS-U Copenhagen Joint Summer School (June 28- July 18), Elsinore, Denmark
2013: Advanced Topics in Biomedical Science-Neuromuscular Development and Disease, Elsinore Summer School (July 1- July 19), Elsinore Denmark
2009-present: LSM4243 (Tumor Biology), NUS
2008-present: LSM4232 (Advanced Cell Biology), NUS

Undergraduate/Graduate Program Committees

2016: Poster Judge, Models of Physiology and Disease Symposium
2014: Poster Judge, Singapore Science and Engineering Fair (SSEF)
2014: Poster Judge, 4th Annual Graduate Scientific Congress, NUS
2013: Poster Judge, 3rd Annual Graduate Scientific Congress, NUS
2012: Member, Admissions Interview Panel, NGS, NUS
2011: Judging Panel (JASS), Best Graduate Student Presentation at Physiology Students Retreat
2010: Judging Panel (JASS), Best Graduate Student Presentation at Physiology Students Retreat

2008-present: Pre-Qualifying exam Committees, NUS
2008-present: PhD Thesis Defense Committees, NUS
2008-present: Thesis Advisory Committees, NUS
2001-2008: PhD Thesis Defense Committees (Mount Sinai School of Medicine)
2000-2008: Student Advisory committees (Mount Sinai School of Medicine)
1998-2008: Qualifying and Thesis proposal exam committees (Mount Sinai School of Medicine)

Graduate Students

2021: Amogh Gupta, PhD student (NUS Scholarship)
2017-present: Nandini Karthik, PhD student (self-sponsored)
2017-2021: Tan Weng Siong Hayden (NGS) [As supervisor, co-supervisor Shen Han Ming]
2017-2021: Chen Jianqing (NGS) [As supervisor, co-supervisor Shen Han Ming]
2017-2021: Chiu Hsin Yao, PhD student (President's Graduate Scholarship)
2016-2021: Upasana Bajaj, PhD student (NUS Scholarship)
2015-2019: Ananya Pal, PhD student (President's Graduate Scholarship)
2014-2018: Akshay Bhat, PhD student (President's Graduate Scholarship)
2013-2018: Shruti Srinivasan, PhD student (NUS Scholarship)
2013-2017: Choi Min Hee, PhD student (NGS Scholarship)
2012-2016: Ow Jin Rong, PhD student (NGS Scholarship)
2012-2016: Chen Keng, PhD student (NGS Scholarship)
2011-2015: Vinay Kumar Rao, PhD student (NUS Scholarship)
2010-2014: Avinash G Bahirvani, PhD student (NUS Scholarship)
2009-2014: Wang Yaju, PhD student (self-sponsored)
2009-2013: Tan Yong Hua, PhD student (President's Graduate Scholarship)
2009-2013: Jin Yu, PhD student (NUS Scholarship)
2009-2013: Narendra Bharathy, PhD student (NUS Scholarship)
2008-2013: Ling Mei Tze Belinda, PhD Student (self-sponsored)
2003-2009: Neriman Tuba Gulbagci, PhD student (Mount Sinai School of Medicine Scholarship)

As co-supervisor

2021- present Michiko Naomi Tan Abigail [As co-supervisor, Supervisor Ivan Low/Jason Lee]
2020-present: Chuah You Heng [As co-supervisor, Supervisor Derrick Ong]
2020-present: Ruo-Qiao Chen [As co-supervisor, Supervisor Ling Shuo-Chien]
2019-present: Leung Jia Yu (A*STAR scholarship) [As Co-supervisor; Supervisor: Vinay Tergaonkar]
2019-present: Sam Tsz Wing (SINGA Scholarship) [As Co-supervisor; Supervisor: Jonathan Yuin-Han Loh)
2019-present: Ang Chin Khye Gareth (A*STAR scholarship) [As Co-supervisor; Supervisor: Uttam Surana]
2018- present Lee Woon Li Bernice [As co-supervisor, Supervisor Derrick Ong]
2018-present: Nechama Gilad [As co-supervisor, Supervisor David Engelberg]
2016-2021: Lam Hiu Yan, PhD student (SINGA Scholarship) [As Co-supervisor Supervisor: Vinay Tergaonkar]
2016-2020: Luca Pignata, PhD student (SINGA Scholarship) [As Co-supervisor Supervisor: Ernesto Guccione]

2016-2018: Bilal Unal, M.Sc. student (SINGA Scholarship) [As Co-supervisor; Supervisor:Vinay Tergaonkar]

Undergraduate Students

2019: Kevin Tze and (URAPS student) [from University of Toronto]
2019: Javaira Kabir (UROPS student) [from University of Calgary]
2018-2019: Leung Jia Yu, Nurul Fateha Binti Abdul Rashid
2017-2018: Yu Jin Cha
2016-2017: Nandini Karthik
2015-2016: Nusrat Jahan
2014-2015: Zhang Wenjie
2013-2014: Heng Sheng Hui
2011-2012: Ong Cai Yun Priscilla, Noorsyahidah Binte Jumat
2010-2011: Pooja Gopal
2009-2010: Koh Rui-Ming Terence
2008-2009: Tan Lin Yin Gladys

Other Trainees

2013: Jayasree Loganathan (Raffles Institution) Science Research Program (SRP-NUS)
2013: D.Karthigeyan, Visiting student from Jawaharlal Nehru Center for Advanced Scientific Research, Bangalore, India (Feb 2013 and July 2013)
Summer students (at Mount Sinai School of Medicine)
2006: Victoria Faynshtayn
2003: Esra Guvenek
2000: Madhavi Parekh
1999: Clara Jeanette Long
1999: Madhavi Parekh (placed semi-finalist for Westinghouse Project)

Thesis Advisory Committees (NUS/ Mount Sinai School of Medicine)

Yang Yiqing [Advisor: Roger Foo, Medicine/Physioloy]
Loh Hui Mun [Advisor: Daniel Messerschmidt, IMCB]
Foo Sok Lin [Advisor:Lina Lim, Department of Physiology]
Tan Kok Yong Warren [Advisor: Chester Drum, Department of Medicine]
Yeo Shu Ling Nicole [Advisor: Yoshiaki Ito/Sudhakar Jha, Cancer Science Institute]
Ren Yi [Advisor: Shen Han Ming, Department of Physiology]
Lim Choon Kiat [Advsior: Roger Foo, Genome Insititute of Singapore]
Zhang Yanzhou [Advisor: Sudhakar Jha; Cancer Science Institute]
Seah Mei Ying Jessica [Advisor: Hebert Schwarz; Department of Physiology]
Yang Naidi [Advisor: Shen Han-Ming; Department of Physiology]
Angeline Deepthi [Advisor: K Swaminathan; Department of Biological Sciences]
Lim Gui Yin Grace [Advisor: Lim Kah-Leong; National Neuroscience Institute]
Zhu Yansong [Advisor: Patrick Tan; Duke-NUS]
Teoh Chun Ming [Advisor: Thai Tran; Department of Physiology]
Lu Kaihui [Advisor: Shen Han-Ming; Department of Physiology]

Lee Soo Fern [Advisor: Shazib Pervaiz; Department of Physiology]
Inthrani D/O Raja Indran [Advisor: Shazib Pervaiz, Department of Physiology]
Zhou Jingli [Advisor: Celestial Yap; Department of Physiology]
Anthony Romer [Advisor: Robert Krauss; Mount Sinai School of Medicine]
Yvette Yien [Advisor: James Bieker; Mount Sinai School of Medicine]
Karen Quadrini [Advisor: James Bieker; Mount Sinai School of Medicine]

Exam Committees

Ph.D/Master's Thesis Committees at NUS (Chair/Examiner)

Santanu Adhikari [As external examiner, Advisor Chandrima Das, CSIR-IICB Kolkata]
Targa Altea [As external examiner, Advisor Gulia Recanati, NTU]
Navit Mooshayef [As examiner, Advisor David Engelberg]
Jokhun Sharma [As examiner, Advisor: GV Shivashankar]
Chua Boon Haow [As examiner, Advisor: Dennis Kapei]
Lu Guang [As examiner, Advisor: Shen Han Ming]
Ajoy Aloysius [As external examiner, NCBS India, Advisors: Sudhir Krishna and Jyotsna Dhawan]
Joel Tan [As examiner, Advisors: Daniel Messerschimdt & Philip Kaldis]
Zhong Zheng [As examiner, Advisors: Shazib Pervaiz & David Virshup]
Benjamin Tan [As examiner, Advisor Thai Tran]
Nandraj Taye [As external examiner, Pune University, India, Advisor: Samit Chattopadhyay]
Dominic Lee [As examiner, Advisor Roger Foo]
Ng Zhen Long [As examiner, Advisor Long Yun Chau/Wu Qiang]
Grace Chia Su Shin [As examiner, Advisor: Sudhakar Jha/Lorenz Poellinger]
Karthik Damodaran [As examiner, Advisor; GV Shivashankar]
Hu Zhenyu [As Chair, Advisor: Soong Tuck Wah]
Stephen Chong [As chair, Advisor: Shazib Pervaiz]
Wang Yejun [As examiner: Advisor: GV Shivashankar, MBI]
Bao Jing Xian [As examiner: Advisor Hanry Yu/Lee Chee Wai]
Vera Katherina Kohlbauer [As examiner, Advisor: Yu Qiang]
Hardik Gala [As external examiner, Jawarharlal Nehru University, India, Advisor: Jyotsna Dhawan]
Ekta Makhija [As examiner; Advisor: GV Shivashankar]
Zhang Jianbin [As examiner, Advisor: Shen Han-Ming]
Yuan Yi [As chair, Advisor: Lina Lim and Gautam Sethi]
Seah Mei Ying Jessica [As examiner, Advisor: Hebert Schwarz]
Gireedhar Venkatachalam [As examiner, Advisor: Marie-Veronique Clement]
Yang Naidi [As examiner, Advisor: Shen Han-Ming]
Koh Cai Ping [As examiner; Advisor: Motomi Osato]
Lim Gui Yin Grace [As examiner, Advisor: Lim Kah Leong]
Jiang Xia [As Chair, Advisor: Yu Qiang]
Deepika Puri [As external examiner, Advisor: Jyostna Dhawan (InStem, Bangalore, India)]
Teoh Chun Ming [As examiner, Advisor: Thai Tran]
Leow San Min [As examiner, Advisor: Marie Veronique-Clement]
Phua Sze Lynn Calista [As external examiner, Advisor: Mark Featherstone, Nanyang Technological University]

Ashlynn Lee Lingzhi [As chair, Advisor: Shazib Pervaiz]
Zhou Jingli [As chair, Advisor: Celestial Yap]
Resham Lal Gurung [As chair, Advisor: Prakash Hande]
Ong Ee Ling Catherine [As chair, Advisor: Patrick Tan]
Gregory Mellier [As chair; Advisor: Shazib Pervaiz]
Tan Bao Zhen [As oral exam panel member; Advisor: Soong Tuck Wah]
Nurulhuda Binte Mustafa [As chair; Advisors:Shazib Pervaiz/Herbert Schwarz]
Yun Tong [As examiner; Advisor: Hooi Shing Chuan]
Li Xinhua [As chair; Advisor: Alan Lee]
Swaminathan Sethu [As chair; Advisor: Prakash Hande]
Ismail Hanif [As examiner; Advisor: Shazib Pervaiz]
Xu Jianliang [As chair; Advisor: Walter Hunziker]

Pre-Qualifying Exams at NUS (Chair/Examiner)
Wang Xiao [As examiner, Advisor: Roger Foo]
Zhang Jieqiong [As examiner, Advisor: Tee Wee Wei]
Xinang Cao [Advisor: Daniel Tenen, CSI]
Lam Hiu Yan [Advisor: Vinay Tergaonkar, IMCB/Dept. of Biochemistry]
Ong Mei Shan [Advisor: Celestial Yap/Hooi Shing Chuan, Physiology]
Amelia Tan [Advisor: Tai E Shyong, Medicine]
Tan Kok Yong Warren [Advisor: Chester Drum, Department of Medicine]
Yeo Shu Ling Nicole [Advisor: Yoshiaki Ito/Sudhakar Jha, Cancer Science Institute]
Foo Sok Lin [As Chair: Advisor Lina Lim, Dept of Physiology
Mu Tianhao [As Chair, Advisor: Fu Xin-Yuan, Dept. of Biochemistry]
Lim Choon Kiat [As examiner, Advisor:Roger Foo, GIS]
Liew Wen Chiy [As Chair, Advisor: Prabha Sampath, Dept. of Biochemistry]
Tomasso Tabaglio [As Examiner, Advisor: Ernesto Guccione, Dept. of Biochemistry]
Jastrinjan Kaur [As Chair, Advisor: Hong Wanjin, Dept. of Biochemistry]
Shruti Srinivasan [As Chair; Advisor: Mridula Sharma: Dept. of Biochemistry]
Lim Yen Ching [As Chair; Advisors Xu Feng & Ding Chunming: Dept. of Biochemistry]
Shikha Singh [As examiner; Advisor Alan Prem Kumar: Dept. of Pharmacology/CSI]
Zhang Yanzhou [As examiner; Advisor: Sudhakar Jha; Dept. of Biochemistry/CSI]
Man Mohan Shrestha [As Chair, Advisor: Han Weiping Dept. of Biochemistry]
Prameet Kaur [As Chair; Advisor Jeyaseelan Kandiah; Dept. of Biochemistry]
Seah Mei Ying Jessica [As examiner; Advisor Herbert Schwarz; Dept. of Physiology]
Wang Jingjing [As Chair, Advisor Peter Lobie; Dept. of Pharmacology]
Yang Naidi [As Examiner; Advisor: Shen Han-Ming; Dept. of Physiology]
Wanpen Ponyeam [As Chair; Advisor: Thilo Hagen; Dept. of Biochemistry]
Li Ying Ying [As Examiner; Advisor: Wang De Yun; Dept. of Otolaryngology]
Chin Cheen Fei [As Chair; Advisor: Yeong Foong May, Dept. of Biochemistry]
Angeline Deepthi [As Examiner; Advisor: K. Swaminathan; Dept. of Biological Sciences]
Swa Lee Foon Hannah [As Chair; Advisor Lina Lim, Dept. of Physiology]
Arpita Dutta [As Examiner; Advisor: Celestial Yap, Dept. of Physiology]
Kirthan Shenoy [As Chair; Advisor:Shazib Pervaiz, Dept. of Physiology]

Lee Soo Fern [As Chair; Advisor:Shazib Pervaiz, Dept. of Physiology]

Awards to Trainees

2022: Neelima Gupta (Postdoc), Best Concept Grant Presentation Award, Science Pitch Day
2022: Amogh Gupta (PhD student), Best Concept Grant Presentation Award, Science Pitch Day
2022: Neelima Gupta (Postdoc), Swee Liew Wadsworth Concept Grant
2022: Amogh Gupta (PhD student), Swee Liew Wadsworth Concept Grant
2021: Alamelu Nachiyappan (Postdoc) Swee Liew Wadsworth Concept Grant
2021: Dipanwita Das(Postdoc) Swee Liew Wadsworth Concept Grant
2021: Nandini Karthik (PhD student), Best presentation at Epigenetics in Cancer Symposium
2020: Leung Jia Yu (PhD student), Best Concept Grant Presentation Award, Science Pitch Day
2020: Leung Jia Yu (PhD student), Swee Liew Wadsworth Concept Grant
2020: Gareth Ang (PhD student), Swee Liew Wadsworth Concept Grant
2019: Upasana Bajaj (PhD student), Best Poster Award, Annual Biomedical Science Congress 2019
2019: Nandini Karthik (PhD student), Swee Liew Wadsworth Concept Grant
2019: Ananya Pal, (PhD student), 1st Runner Up, Best Pitch Award, Science Pitch Day
2018: Ananya Pal (PhD student) Best Poster Award, 10th Models of Physiology and Disease Symposium NUS.
2018: Upasana Bajaj (PhD student), Best Presentation Award, Science Pitch Day
2018: Shruti Srinivasan (PhD student), 2nd runner up, Best Presentation Award, Science Pitch Day
2018: Upasana Bajaj (PhD student), Swee Liew Wadsworth Concept Grant
2018: Chiu Hsin Yao (PhD student), Swee Liew Wadsworth Concept Grant
2018: Shruti Srinivasan (PhD student) Best Poster Award, Muscle Biology in Health and Disease Conference, NUS
2017: Ananya Pal (PhD student) Best Poster Award, 9th Models of Physiology and Disease Symposium NUS.
2017: Yang Naidi, Postdoctoral fellow, Best Poster Award, 9th Models of Physiology and Disease Symposium NUS.
2017: Ananya Pal (PhD student) Best Poster Award, Asian Conference on Transcription, Penang.
2017: Shruti Srinivasan (PhD student) Best Poster Award (2nd Runner Up), Asian Conference on Transcription, Penang.
2017: Akshay Bhat (PhD student) Best Oral Presentation Award (2nd Runner Up), Asian Conference on Transcription, Penang.
2017: Akshay Bhat (PhD student), Swee Liew Wadsworth Concept Grant
2017: Choi Min Hee (PhD student), Merit Award, Best Oral Presentation, Annual Graduate Science Congress, NUS
2017: Shruti Srinivasan (PhD Student), Best Poster Award, Annual Graduate Science Congress, NUS
2017: Shruti Srinivasan (PhD Student), Best Oral Presentation, JASS
2016: Choi Min Hee (PhD student), Best Poster Award, Models of Physiology and Disease Symposium, NUS
2016: Ananya Pal (PhD student), Swee Liew Wadsworth Concept Grant
2016: Ow Jin Rong (PhD student), Best Poster Award, Annual Graduate Science Congress, NUS
2015: Choi Min Hee (PhD student), Best Poster Award, Models of Physiology and Disease Symposium, NUS
2015: Vinay Kumar Rao (PhD student), Swee Liew Wadsworth Concept Grant

2015: Choi Min Hee (PhD student), Swee Liew Wadsworth Concept Grant
2015: Ow Jin Rong (PhD student), Best oral presentation award at JASS
2014: Yang Naidi, Postdoctoral fellow, Swee Liew Wadsworth Concept Grant
2013: Jin Yu (PhD student), Best poster award, Models of Physiology and Disease Symposium, NUS
2013: Avinash Bahirvani (PhD student), selected for oral presentation, Models of Physiology and Disease Symposium
2013: Narendra Bharathy (PhD student), selected for oral presenation at Singapore Stem Cell Consortium Young Investigator's symposium
2013: Jin Yu (PhD student), Best Poster Award at Annual Graduate Science Congress
2013: Tan Yong Hua (PhD student), Best Poster Award, Annual Graduate Science Congress
2013: Narendra Bharathy (PhD student), Best Graduate Research Publication Award, Annual Graduate Science Congress
2013: Narendra Bharathy (PhD student), oral presentation at Annual Graduate Science Congress
2013: Vinay Kumar Rao (PhD student), Best oral presentation award at JASS
2012: Narendra Bharathy (PhD student), selected for oral presentation at the Epigenetics and Stem Cell Conference, Cambridge, UK.
2012: Belinda Mei Tze Ling & Narendra Bharathy (PhD Students), Swee Liew Wadsworth Gold Award
2011: Narendra Bharathy (PhD student) Best Poster Award, Models of Physiology and Disease Symposium, NUS
2010: Narendra Bharathy (PhD student) Best Poster Award at Inaugural Graduate Scientific Congress, NUS
2004: Sameena Azmi (postdoctoral fellow), Charles Revson Postdoctoral Award USA (Declined)
2003-2004: Tin Htwe Thin (postdoctoral fellow), T32 postdoctoral training grant (NIH)
1999: Madhavi Parekh (summer student), Westinghouse project Semi-finalist award

Teaching courses attended:
2020: Facilitating effective Online discussions using LumiNUS (July 8, 2020) CDT1102
2020: Designing online assessments using LumiNUS [CDT1103]
2020: Recording Online Sessions with Panopto [CDT1102]
2020: Zoom for online teaching
2020: Microsoft Teams for teaching
2019: Promoting student engagement in large classes (Feb 19, 2019**).**
2018: Evidencing Teaching (PDP-T Elective), CDTL.
2018: Developing a Teaching Portfolio: From Assessment to Case Narratives and Evidence.

Leadership courses attended:
2021: The Coaching Partnership Program
2021: WiSH Leadership Programme -Workshop 2 -Negotiation & Influencing Skills (Roffey Park Institute)
2020: WiSH Leadership Programme -Workshop 1 -Career Planning & Networking (Roffey Park Institute)
2020: Harvard Business School Online Leadership Principles

INVITED TALKS [SEMINARS/CONFERENCES]

2022 N2CR talk

2021 NUHS Women in Science Lunch Talks
NUS-Université Sorbonne Paris Cite (USPC)- Cancer Epigenetics Symposium, Singapore
NUSMED Professorial Lecture, Singapore

2020 Invited Speaker, Duke-NUS, Singapore
Invited Speaker, Vision Seminar, Department of Physiology NUS
Invited Speaker, Education Seminar, Department of Physiology NUS

2019 Invited Speaker, Asian Conference on Transcription, Dunedin, New Zealand
Invited Speaker, George Washington University, USA [*Host: Edward Seto*]
Invited Speaker, Models of Physiology and Disease Symposium, NUS, Singapore
Invited Speaker, China Medical University-NUS Joint Symposium, Taichung, Taiwan
Invited Speaker, MSC-Institut Cochin Cancer Program Symposium, Paris, France
Invited Speaker, Advanced Graduate Program for Future Medicine and Health Care, Tohoku University, Sendai, Japan

2018 Invited Speaker, Conference on Applied and Basic Physiology, India
Invited Speaker, Asian Chromatin Meeting, India
Invited Speaker, Houston Methodist Research Institute, USA [*Host: Tej Pandita*]
Invited Speaker, National Institute of Immunology, New Delhi, India [*Host: Sagar Sengupta*]
Invited Speaker, Second VVM Memorial Seminar, MS University, Vadodara, India

2017 Invited Speaker, Department of Biological Sciences, NUS [*Host: Christoph Winkler*]
Invited Speaker, Asian Conference on Transcription, Penang, Malaysia
Invited Speaker, Institute for Cancer Research, London, UK [*Host: Paul Huang*]
Invited Speaker, Ospedale Pediatrico Bambino Gesu, IRCCS, Rome, Italy [*Host: Rosella Rota*]
Invited Speaker, Asian Chromatin Meeting, Hyderabad, India
Invited Speaker, Duke-NUS, Singapore [*Host: Teh Bin Tean*]

2016 Invited Speaker, Frontiers in Cancer Science, NUS
Invited Speaker, Sarcoma Symposium, Academia, Singapore
Invited Speaker, Models of Physiology and Disease Symposium, NUS, Singapore
Invited Speaker, University of Louisville, Kentucky [*Host: Ashok Kumar*]
Invited Speaker, Moffitt Cancer Center, Florida [*Host: Srikumar Chellappan*]
Invited Speaker, Buck Institute for Research on Aging, California *[Host: Brian Kennedy]*
Speaker, Skeletal and Cardiac Myogenesis, Weizmann Institute of Science, Israel
Invited Speaker, Pune University, India [*Host: Deepti Deobagkar*]

2015 Invited Speaker, Asian Conference on Transcription, NUS, Singapore
Invited Speaker, MCB75:Molecules to Organisms, Indian Institute of Science, India
Invited Speaker, BIOS15: Biological Symposium, MBI, NUS,Singapore
Invited Speaker, Sarcoma Symposium, Singapore General Hospital, Singapore

Invited Speaker, Dept. of Physiology, NUS [*Host: Shen Han- Ming]*
Invited Speaker, Dept. of Biochemistry, NUS [*Host: Gan Yunn Hwen*]
Invited Speaker, Asian Chromatin Meeting, Bangalore, India

2014 Invited Speaker, NUS-UCSD joint symposium, Singapore
Speaker, FASEB SRC, Steamboat Springs, Denver, Colorado USA
Invited Speaker, 13th Asian Conference on Transcription, Melbourne, Australia
Invited Speaker, 17th Transcription Meeting, JNCASR, Bangalore, India
Invited Speaker, National Institute of Immunology, New Delhi, India [*Host: Sagar Sengupta*]

2013 Invited speaker, Saha Institute for Nuclear Physics, Kolkata, India [*Host: Dipak Dasgupta*]
Invited speaker, 16th Transcription Meeting, IICB, Kolkata India
Invited speaker, MCB Alumni Symposium, Indian Institute of Science, Bangalore, India
Invited speaker, Jawaharlal Nehru Center of Advanced Scientific Research, Bangalore, India [*Host: Tapas Kundu*]
Invited speaker, Indian Ocean Rim Muscle Colloquium, LKC-NTU, Singapore (Dec 2013)
Invited speaker, 1st Singapore-Japan-India joint symposium on protein-DNA interaction in prokaryotic nuclei and eukaryotic chromatin, Mechanobiology Institute, NUS (July 2013)
Invited speaker, Department of Biochemistry, NUS [*Host: Wu Qiang*]

2012 Speaker, FASEB SRC- Skeletal Muscle satellite and stem cells, Italy
Speaker, Asian Conference on Transcription, Jeju Island, South Korea
Invited speaker, 4th Asian forum of Chromosome and Chromatin Biology, Hyderabad, India
Invited speaker, 2nd Indian Ocean Rim Muscle Colloquim, Bangalore, India
Invited speaker, Models of Physiology and Disease NUS, Singapore

2011 Invited Speaker, Regenerative Medicine and Stem Cells, Beijing, China
Invited speaker, Carcinogenesis 2011, Bangalore India
Invited speaker, Jawaharlal Nehru Center of Advanced Scientific Research, Bangalore, India [*Host: Tapas Kundu*]
Invited speaker, InStem Bangalore [*Host: Jyostna Dhawan*]
Invited speaker, Cell fate signaling in Health and Disease, Singapore
Invited speaker, Cancer Science Institute, NUS, Singapore [*Host: Dan Tenen*]

2010 Speaker, FASEB SRC- Muscle satellite and stem cells, Arizona, USA
Speaker, Asian Conference on Transcription (ACT-11), Japan
Invited speaker, Models of Physiology and Disease, Singapore
Invited Speaker, Regenerative Medicine and Stem Cells, China
Invited speaker, Models of Physiology and Disease, Singapore

2009 Invited speaker, Indian Ocean Rim Muscle Colloquium, Univ.W Australia, Perth, Australia
Speaker, Making Muscle in the Embryo and Adult, Columbia University, New York USA
Invited speaker, Animal Models of Physiology and Disease, NUS, Singapore
Invited speaker, Cell Fate Signaling in Health and Disease, Duke-GMS, Singapore

2008 Invited Speaker, Department of Genetics and Genomic Sciences, Mount Sinai School of Medicine, USA
Speaker, EMBO Conference on Cellular and Molecular Mechanisms of skeletal myogenesis and regeneration, Spain.

2007 Speaker, FASEB conference on Skeletal muscle satellite and stem cells, California.
Invited Speaker, Department of Medicine, Mt Sinai School of Medicine
Invited Speaker Meet the Authors Seminar series, Mount Sinai School of Medicine USA.

2006 Invited Speaker, Children's Hospital, Boston [*Host: Raymond Samuel*]
Invited Speaker, Dept. of Physiology, National University of Singapore [*Host:Prakash Hande*]
Invited Speaker, School of Biological Sciences, NTU, Singapore [*Host: Mark Featherstone*]

2005 Stohlman Symposium, The Leukemia and Lymphoma Society, Arizona
Speaker, bHLH factors in development & disease, U. La Sapienza, Rome

2004 Invited speaker, Dept. of Endocrinology, Mount Sinai School of Medicine [*Host:Terry Davies*]
Invited Speaker, Annual Meeting, Lupus Research Institute, New York

2003 Invited speaker, Center for Immunobiology, Mt Sinai School of Medicine [*Host: Llyod Meyer*)
Invited speaker, Lee Moffit Cancer Center, University of Southern Florida, Tampa [*Host: Srikumar Chellappan*]
Invited speaker, Annual Meeting, Lupus Research Institute, New York
Invited speaker, University of Rhode Island, Department of Biomedical Sciences, Rhode Island, Kingston [*Host: Bingfang Yan*]

2002 Invited speaker, Weill Medical College Cornell University, Division of Immunology, Department of Medicine [*Host: Kendall Smith*]
Invited speaker, Hospital for Special Surgery and Weill Medical College Cornell University [*Host: Francesco Ramirez*]
Speaker, Annual Meeting, AACR, San Francisco
Invited speaker, Annual Meeting, Lupus Research Institute, New York
Invited speaker, March of Dimes, Scientific Advisory meeting, New York [*Host: Michael Katz; Senior Vice President, March of Dimes Birth Defects Foundation*]

2001 Plenary Speaker, International Congress on APL and Differentiation Therapy, Italy
Invited speaker, Mount Sinai School of Medicine, Center for Immunobiology [*Host: Curt Horvath*]

2000 Invited speaker National Cancer Institute, Laboratory of Cellular Carcinogenesis and Tumor

Promotion [*Host: Luigi De Luca*]
Invited speaker, Mount Sinai School of Medicine, Department of Biochemistry and Molecular Biology [*Host: Thomas Lufkin*]

1999 Invited speaker, University of Pennsylvania School of Medicine, Department of Neurobiology [*Host: Maja Bucan*]
Invited speaker, Mount Sinai School of Medicine, Derald Ruttenberg Cancer Center [*Host: Stuart Aaronson*]

1998 Invited speaker, Columbia University, Department of Genetics and Development [*Host: Debra Wolgemouth*]
Invited speaker, Mount Sinai School of Medicine, Brookdale Center for Developmental Biology [*Host: Franceso Ramirez*]

1997 Invited speaker, Mount Sinai School of Medicine, Division of Hematology [Host: *Samuel Waxman*]

PUBLICATIONS

81. Yi Y, Zeng YY, Hamashima K, Sam TW, Tan JR, Warrier T, Kok YJ , Phua JX, Neo SP, Gunaratne J, **Taneja R**, Liou Y-C, Bi X Z, Xu J, Li H, Xu J, Loh Y-H. (2022). RPLs are Gatekeepers Regulating the Transition between 2C-like Totipotency and Pluripotent states (submitted)

80. Tan H, Lu G, Cho Y-L, Dong H, Wang L, Auginia N, Chan C, Kappei D, Shao H, Ling SC, **Taneja R,** Tsai S-Y, Ding W-X, Shen HM (2022). A degradative to secretory autophagy switch mediates mitochondria clearance in the absence of the mATG8-conjugation machinery (submitted).

79. Chen J, Zou L, Grinchuk O, GLu G, Fang L, XBi X, Ong DST, **Taneja R**, Ong CN, and Shen HM. (2022). PFKP alleviates glucose starvation-induced metabolic stress in lung cancer cells via AMPK-ACC2 dependent fatty acid oxidation ***Cell Discovery*** in press

78. Chiu HY, Loh A and **Taneja R**. (2022). MCU dependent mitochondrial calcium uptake regulates TGFβ signaling and tumor progression in embryonal rhabdomyosarcoma. ***Cell Death and Disease*** 13:419.

77. Salmon A , Jarjour N, Esaulova E, Williams C, Shavkunov A, Ward J, Dunckelman A, **Taneja R**, Edelson B, Gubin M. (2022). Tumor BHLHE40 Regulates the T-Cell Effector Function Required for Tumor Microenvironment Remodeling and Immune Checkpoint-Therapy Efficacy. ***Cancer Immunology Research*** doi: 10.1158/2326-6066.CIR-21-0129

76. Nachiyappan A, Gupta N and Taneja R. (2022) EHMT1/EHMT2 in EMT, Cancer Stemness and Drug Resistance: Emerging Evidence and Mechanisms. ***FEBS J*** 289:1329-1351 **.**

75. Nachiyappan A, Soon J, Lim HJ, Lee VKM, and **Taneja R** (2022). EHMT1 promotes tumor

progression and regulates ALDH1A1 expression in alveolar rhabdomyosarcoma. ***J Pathology*** 256:349-362.

74. Rauschmeier R, Reinhardt A, Gustafsson C, Glaros V, Artemov AV, **Taneja R,** Adameyko I, Månsson R, Busslinger M and Kreslavsky T. (2022). Bhlhe40 function in activated B cells and TFH cells restrains the GC reaction and prevent lymphomagenesis. ***J Experimental Medicine*** 219:e20211406

73. Das D, Karthik N, and **Taneja R** (2021) Cross talk between inflammatory signaling and methylation in cancer. ***Frontiers in Cell and Developmental Biology*** 9:756458.

72. Karthik N and **Taneja R**. (2021). Histone variants in skeletal myogenesis. ***Epigenetics*** (2021) 16, 243–262

71. Pal A, Leung JY, Ang GCK, Rao VK, Pignata L, Lim HJ, Hebrard M, Chang KT, Lee VKM, Guccione E, and **Taneja R** (2020). EHMT2 epigenetically suppresses Wnt signaling and is a potential target in embryonal rhabdomyosarcoma. ***eLife*** 2020;9:e57683.

70**.** Leung JY, Chia K, Ong DST and **Taneja R** (2020). Interweaving tumor heterogeneity in the cancer epigenetic-metabolic axis. ***Antioxidants and Redox Signalling*** 33:946-965 (invited review)

69. Piper C, Zhou V, Komorowski R, Szabo A, Vincent B, Serody J, Alegre ML, Edelson BT, **Taneja R** and Drobyski WR. (2020). Pathogenic Bhlhe40+ GM-CSF+ CD4+ T Cells Promote Indirect Alloantigen Presentation in the GI Tract during GVHD. ***Blood*** 135: 568-681

68. Chiu HY, Tay E, Dong DST, **Taneja R.** (2020). Mitochondrial dysfunction at the centre of cancer therapy. ***Antioxidants and Redox Signalling.*** 32:309-330

67. Jarjour NN, Bradstreet TR, Schwarzkopf EA, Cook ME, Lai CW, Huang SC, **Taneja R,** Stappenbeck T, Dyken JV, Urban JF, Edelson BT. (2020). Bhlhe40 promotes T(H)2 cell mediated antihelminth immunity and reveals cooperative CSF2RB family cytokines**.** ***J Immunology*** 204:923-932

66. Karthigeyan D, Bose A, Boopathi R, Rao VJ, Shima H, Bharathy N, Igarashi K, **Taneja R,** Kundu Kundu T. (2020) Aurora kinase A mediated phosphorylation of mPOU is critical for skeletal muscle differentiation. ***J Biochemistry*** 167: 195-201

65. Yap JYY, Kit TY, Fröhlich J, Pelczar P, Beyer C, Casarosa M, Purnamawati K, Fong CHH, Cerrato CP, Ramanan S, Yin JN, Bharathy, N, Palanichamy Kala M, Richards PJ, Mirsaidi A, Xuan TGR, **Taneja R,** Egli M, Kozak KW, Ferguson SJ, Aguzzi A, Krawczy KK, Monici M, Drum C, Lee CN, Franco-Obregón A. (2019) Ambient and exogenous magnetic fields modulate myogenesis by targeting TRPC1. ***FASEB J*** 33(11):12853-12872

64. Li C, Zhu B, Son Y, Wang Z, Jiang L, Xiang M, Ye Z, Beckermann KE, Wu Y, Jenkins J, Siska P, Vincent B, Prakash YS, Piekert T, Edelson B, **Taneja R,** Kaplan MH, Rathmell JC, Dong H, Hitosugi T,

and Sun J. (2019) The transcription factor Bhlhe40 programs mitochondrial regulation of resident CD8+ T cell fitness and functionality. ***Immunity*** 51(3):491-507

63. Rauschmeier R, Gustafsson C, Gonzalez N, Tortola L, Subramanian S, **Taneja R,** Rossner MJ, Sieweke M, Månsson R, Busslinger M, and Kreslavsky T. (2019) Bhlhe40 and Bhlhe41 transcription factors regulate alveolar macrophage self-renewal and identity. ***EMBO J*** 38(19):e101233 doi: 10.15252/embj.2018101233

62. Jarjour NN, Schwarzkopf EA, Bradstreet TR, Shchukina I, Lin CC, Huang SC, Lai CW, Cook ME, **Taneja R,** Stappenbeck T, Randolph GJ, Artymov MN, Urban JF, Edelson BT. (2019). Bhlhe40 mediates tissue specific control of macrophage proliferation in homeostasis and type 2 immunity. ***Nature Immunology*** 20:687-700

61. Srinivasan S, Shankar SR, Wang Y, **Taneja R.** (2019) SUMOylation of G9a regulates its function as an activator of myoblast proliferation. ***Cell Death and Disease*** 10(3):250.

60. Bhat AV, Palanichamy Kala M, Rao VK, Pignata L, Lim HJ, Suriyamurthy S, Chang K, Min VK, Guccione E and **Taneja R**. (2019) Epigenetic regulation of the PTEN/AKT/RAC1 axis by G9a is critical for tumor growth in alveolar rhabdomyosarcoma. ***Cancer Research*** 79:2232-2243

59. Pal A, Chiu HY, **Taneja R.** (2019). Genetics, epigenetics and redox homeostasis in rhabdomyosarcoma: Emerging targets and therapeutics. ***Redox Biology*** 25 (2019):101124.

58. Dhanasekaran K, Bose A, Rao VJ, Bhoopathi R, Shankar SR, Rao VK, Swaminathan A, Vasudevan M, **Taneja R,** Kundu TK (2019). Unravelling the role of Aurora A beyond centrosomes and spindle assembly: implications in muscle differentiation. ***FASEB J*** 33:219-230

57. Bhat A, Hora S, Pal A, Jha S, **Taneja R** (2018). Stressing the (Epi)genome: dealing with reactive oxygen species in cancer. ***Antioxidants and Redox Signaling*** 29:1273-1292.

56. Huynh JP, Lin CC, Kimmey JM, Jarjour NN, Schwarzkopf EA, Bradstreet TR, Shpynov O, Weaver CT, **Taneja R,** Artyomov MN, Edelson BT, and Stallings CL. (2018). Bhlhe40 is an essential repressor of IL-10 during *M. tuberculosis* infection. ***J Experimental Medicine*** 215: 1823–1838.

55. Numata A, Kwok HS, Kawasaki A, Li J, Benoukraf T, Zhou QL, Kerry J, Benoukraf T, Barraria D, Li F, Ballabio E, Tapia M, Hog HQ, Deshpande A, Welner, RS, Yang H, Delwel R, Milne T, **Taneja R*,** Tenen DG*. (2018). The basic helix-loop-helix transcription factor SHARP1 is an oncogenic driver in MLL-AF6 Acute Myelogenous Leukemia**.** ***Nature Communications*** 9:1622. *co-corresponding.

54. Choi MH, Palanichamy Kala M, Ow JR, Rao VK, Suriyamurthy S and **Taneja R** (2018). GLP modulates heterochromatin clustering and myogenic differentiation by repressing MeCP2. ***J Molecular Cell Biology*** 10:161-174.

53. Taneja R and Kennedy BK. (2017). T(ell)TALE signs of aging. ***Cell Research*** 27: 453-454.

52. Kreslavsky T, Vilagos B, Schwickert T, Wohneer M, Weiss S, **Taneja R,** Rossner MJ, Busslinger M. (2017). Essential role of the transcription factor Bhlhe41 in regulating the homeostasis and BCR repertoire of B-1a cells. ***Nature Immunology*** 18: 442-455.

51. Rao VK, Pal A, **Taneja R.** (2017). A drive in SUVs: From development to disease. ***Epigenetics*** 12: 177-186.

50. Rao VK, Ow JR, Shankar S, Bharathy N, Manikadan J and **Taneja R.** (2016) G9a promotes proliferation and inhibits cell cycle exit during myogenic differentiation. ***Nucleic Acids Research*** 44: 8129-8143.

49. Ow JR, Kala MP, Rao, VK, Choi MH, Bharathy N and **Taneja R.** (2016). G9a inhibits MEF2C activity to control sarcomere assembly. ***Scientific Reports*** 6, 34163; doi: 10.1038/srep34163 (2016).

48. Chen K, Koe CT, Xing ZB, Rossi F, Wang C, Hong WJ, **Taneja R,** Yu F, Gonzalez C, Endow S and Wang H. (2016). Arl2- and Msps-dependent microtubule growth governs assymetric division. ***J Cell Biology*** 212:661-676

47. Bharathy N, Suriyamurthy S, Rao VK, Lim HJ, Chakraborty P, Vasudevan M, Dhamne A, Chang K, Lee V, Kundu T, **Taneja R.** (2016) P/CAF mediates Pax3-Foxo1 dependent oncogenesis in alveolar rhabdomyosarcoma. ***J Pathology*** 240: 269-281.

46. Lin CC, Bradstreet TR, Schwarzkopf EA, Jarjour NN, Chou C, Archambault AS, Sim J, Zinselmeyer BH, Carrero JA, Cella M, Wu GF, Egawa T, **Taneja R,** Artyomov M, Russell JH, Edelson BT. (2016) IL1 induced Bhlhe40 identifies pathogenic T helper cells in a model of experimental autoimmune neuroinflammation. ***J Experimental Medicine*** 213:251-271.

45. Choi MH, Ow JR, Yang ND And **Taneja R** (2016). Oxidative Stress In Skeletal Muscle Degeneration: Molecules, Mechanisms And Therapies. ***Oxidative Medicine And Cellular Longevity***. 2016:6842568.

44. Ng D, Mah WC, Almeida F, Rahmat SA, Rao VK, Leow SC, Laudisi F, Peh MT, Goh A, Lim J, Wright G, Mortellaro A, **Taneja R,** Ginhoux F, Lee C, Moore PK, Lane DA. (2015). Unique role for p53 in the regulation of M2 macrophage polarization. ***Cell Death and Differentiation*** 22:1081-93

43. Baier P, Brzozka M, Shahmoradi A, Reinecke L, Kroos C, Wichert S, Oster H, Wehr M, **Taneja R,** Hirrlinger J, Rossner M. (2014). Mice lacking the circadian modulators Sharp1 and Sharp2 display altered sleep and mixed state endophenotypes of psychiatric disorders. ***PLoS ONE*** 9(10): e110310. doi:10.1371/journal.pone.0110310

42. Lin CC, Bradstreet TR, Schwarzkopf EA, Sim J, Carrero JA, Chou C, Cook LE, Egawa T, **Taneja R,** Murphy TL, Russell JH, Edelson BT. (2014) Bhlhe40 controls cytokine production by T cells and is

essential for pathogenecity in autoimmune neuroinflammation. ***Nature Communications*** 5:3551 doi: 10.1038/ncomms4551

41. Acharjee S, Chung T-K, Gopinadhan S, Shankar SR, Wang Y, Li L, Vercherat C, Gulbagci NT, Rossner MJ, **Taneja R**. (2014). Sharp-1 regulates TGF-β signaling and skeletal muscle regeneration. ***J Cell Science*** 127:599-608.

40. Modak R, Basha J, Bharathy N, Maity K, Mizar P, Bhat A, Vasudevan M, Rao VK, Kok WK, Nagashyana N, **Taneja R** and Kundu TK. (2013). Probing p300/CBP associated factor (PCAF) dependent pathways through 2,5 dihyroxy 3-undeayl-1,4-benzoquinone: a natural small molecule inhibitor. ***ACS Chemical Biology*** 8:1311-1323

39. Wang Y, Shankar SR, Kher DB, Ling BMT, **Taneja R.** (2013). Sumoylation of the basic helix-loop-helix transcription factor Sharp-1 regulates recruitment of the histone methyltransferase G9a and function in myogenesis. ***J. Biological Chemistry*** 288: 17654-17662.

38. Shankar SR, Bahirvani AG, Rao VK, Bharathy N, Ow JR and **Taneja R.** (2013). G9a, a multipotent regulator of gene expression. ***Epigenetics*** 8:16-22.

37. Ling BMT, Gopinadhan S, Kok WK, Shankar SR, Gopal P, Bharathy N, Wang Y, and **Taneja R.** (2012) G9a mediates Sharp-1-dependent inhibition of skeletal muscle differentiation. ***Mol. Biol. Cell*** 23:4778-4785.

36. Wang Y, Rao VK, Kok WK, Roy DN, Sethi S, Ling BMT, Lee MBH, and **Taneja R.** (2012). SUMO modification of Stra13 is required for repression of cyclin D1 expression and cellular growth arrest. ***PLoS ONE*** **:**7(8)e43137.

35. Bharathy N and **Taneja, R.** (2012) Methylation muscles into transcription factor silencing. ***Transcription*** 3(5):1-6. (invited review; featured on journal cover)

34. Ling BMT, Bharathy N, Chung T-K, Kok WK, Li SD, Tan YH, Rao VK, Gopinadhan S, Sartorelli V, Walsh MJ, and **Taneja R.** (2012). Lysine methyltransferase G9a methylates the transcription factor Myod and regulates skeletal muscle differentiation. Proc. Natl. Acad. Sci. (USA) 109:841-846.

33. Bode B, Shahmoradi A, **Taneja R,** Rossner MJ, Oster H. (2011). Genetic interaction of Per1 and Dec1/2 in the regulation of circadian locomotor activity. ***J Biological Rhythms***. 26:530-40.

32. Bode B, **Taneja R,** Rossner MJ, Oster H. (2011). Advanced light-entrained activity onsets and restored free-running suprachiasmatic nucleus circadian rhythms in Per2/Dec mutant mice. ***Chronobiology International*** 28:737-50.

31. Liu JJ, Chung T-K, Li J, and **Taneja R**. (2010). Sharp-1 modulates the cellular response to DNA damage. ***FEBS Letters.*** 584: 619-624.

30. Vercherat C, Chung T-K, Yalcin S, Gulbagci N, Gopinadhan S, Ghaffari S and **Taneja R.** (2009). Stra13 regulates oxidative stress mediated skeletal muscle degeneration. ***Human Molecular Genetics*** 18:4304-4316 (*featured on journal cover).

29. Pervaiz S, **Taneja R** and Ghaffari S. (2009). Oxidative stress regulation of stem and progenitor cells. ***Antioxidants and Redox Signalling*** 11:2777-89

28. Gulbagci N, Li L, Ling B, Gopinadhan S, Walsh, M, Rossner M, Nave KA and **Taneja R** (2009). Sharp-1 inhibits adipogenic differentiation by regulating C/EBP activity. ***EMBO Reports*** 10:79-86.

27. Yalcin S, Zhang X, Luciano JP, Marinkovic D, Vercherat C, Sarkar A, Brugnara C, Grisotto M, **Taneja R** and Ghaffari S. (2008). Foxo3 is essential for the regulation of ATM and oxidative stress-mediated homeostasis of hematopoietic stem cells***. Journal of Biological Chemistry*** 283: 25692-25705

26. Rossner MJ, Oster H, Wichert SP, Reinecke L, Wehr MC, Reinecke J, Eichele G, **Taneja R,** Nave KA. (2008) Disturbed clockwork resetting in Sharp-1 and Sharp-2 single and double mutant mice. ***PLoS ONE***. 3(7):e2762

25. Sun H, Ghaffari S, and **Taneja R.** (2007). bHLH-Orange transcription factors in development and cancer. ***Translational Oncogenomics*** 2: 105-118.

24. Sun H, Li L, Vercherat C, Gulbagci N, Acharjee S, Li J, Chung T-K, Thin T, and **Taneja R**. (2007). Stra13 regulates satellite cell activation by antagonizing Notch signaling. ***Journal of Cell Biology*** 177:647-57.

23. Thin T, Li L, Chung T-K, Sun H, and **Taneja R** (2007). Stra13 is induced by genotoxic stress and is required for ionizing radiation induced apoptosis. ***EMBO Reports*** 8:401-407.

22. Kupumbati TS, Cattoretti G, Marzan C, Farias EF**, Taneja R,** Mira-y-Lopez R. (2006) Dominant negative retinoic acid receptor initiates tumor formation in mice. ***Molecular Cancer*** 5:12.

21. **Taneja, R**. Nuclear receptors. ***Sci. STKE**** 2005 May 31;2005(286):tr17. (****now Sci. Signaling***)

20. Azmi S, Ozog A and **Taneja R.** (2004). Sharp-1 inhibits skeletal muscle differentiation through repression of myogenic transcription factors. ***Journal of Biological Chemistry*** **279**: 52643-52652

19. Grechez-Cassiau A, Panda S, Lacoche S, Teboul M, Azmi S, Laudet V, Hogenesch J, **Taneja R**, and Delaunay F. (2004). The transcriptional repressor Stra13 regulates a subset of peripheral circadian outputs. ***Journal of Biological Chemistry*** **279:**1141-50.

18. Azmi S, Sun H, Ozog A and **Taneja R.** (2003). mSharp-1/DEC2, a basic helix-loop-helix protein functions as a transcriptional repressor of E-box activity and Stra13 expression. ***Journal of Biological Chemistry*** **278**: 20098-20109.

17. Azmi S and **Taneja R.** (2002). Embryonic expression of mSharp-1/mDEC2, which encodes a bHLH transcription factor. ***Mechanisms of Development*** **114**:181-185.

16. Sun H, Lu B, Li R-Q, Flavell RA and **Taneja R**. (2001). Defective T-cell activation and autoimmune disorder in Stra13-deficient mice. ***Nature Immunology*** **2**: 1040-1047.

15. Dhar M and **Taneja, R.** (2001). Cross regulatory interaction between Stra13 and USF results in functional antagonism. ***Oncogene*** **20**: 4750-4756.

14. Rochette-Egly C, Plassat J-L, **Taneja R.** and Chambon, P. (2000). The AF-1 and AF-2 activating domain of RARα and their phosphorylation are differentially involved in parietal endodermal differentiation of F9 cells and retinoid induced expression of target genes. ***Molecular Endocrinology*** **14:** 1398-1410.

13. Sun, H and **Taneja, R.** (2000). Stra13 expression is associated with growth arrest and represses transcription through histone deacetylase (HDAC) dependent and HDAC independent mechanisms. ***Proc. Natl. Acad. Sci (USA)*** **97**: 4058-4063.

12. Sun H, Mattei M-G and **Taneja R.** (1999). Assignment of Stra13 to the sub-telomeric region of mouse chromosome 6 by in situ hybridization. ***Cytogenetics and Cell Genetics*** **87**: 211-212.

11. Antonevich T and **Taneja, R.** (1999). Assignment of the human Stra13 gene (STRA13) to chromosome 3p26 by in situ hybridization ***Cytogenetics and Cell Genetics*** **85**: 254-255.

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GRANT FUNDING HISTORY

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27. Source: **Ministry of Education []**
Grant title: Role of H3.3 in embryonal rhabdomyosarcoma
Duration: **3 years [2021-2024]**
Amount: **$**
PI or Collaborator: PI

26. Source: **Ministry of Education [T2EP30121-0010]**
Grant title: Role of GLP in embryonal rhabdomyosarcoma
Duration: **3 years [2021-2024]**
Amount: **$ 996,000**
PI or Collaborator: PI

25. Source: **National Medical Research Council [**OFIRG20nov-0048**]**
Grant title: Role of ALDH1A1 in alveolar rhabdomyosarcoma
Duration: **4 years [2021-2025]**
Amount: **$1,249,000.00**
PI or Collaborator: PI

24. Source: **Ministry of Education [NUHSRO/2020/149/T1/Seed-Sep/03]**
Grant title: Role of mitochondrial calcium in embryonal rhabdomyosarcoma
Duration: **3 years [2021-2024]**
Amount: **$247,000.00**
PI or Collaborator: PI

23. Source: **Ministry of Education [T2-1-024]**
Grant title: Role of Brd4 and G9a in skeletal muscle differentiation
Duration: **3 years [2019-2022]**
Amount: **$622,770.00**
PI or Collaborator: PI

22. Source: **National Medical Research Council [OFIRG17nov057]**
Grant title: Role of G9a in embryonal rhabdomyosarcoma
Duration: **5 years [2018-2023]**
Amount: **$1,250,000.00**
PI or Collaborator: PI

21. Source: **National Medical Research Council [CBRG15may024]**
Grant title: Identifying novel epigenetic regulators for targeted therapy in the treatment of rhabdomyosarcoma
Duration: **3 years [2016-2019]**
Amount: **$1,150,000.00**
PI or Collaborator: PI

20. Source: **National Medical Research Council [CBRG13nov007]**
Grant title: An integrated approach to identify therapeutic targets for skeletal muscle disorders
Duration: **3 years [2014-2017]**
Amount: **$950,000.00**
PI or Collaborator: PI

19. Source: **Aspiration Fund (Partner) Category [NUHSRO/2014/088/AF-Partner/04]**
Grant title: Identifying therapeutic targets for acute myeloid leukemia
Duration: **3 years [2014-2017]**
Amount: **$500,000.00**
PI or Collaborator: PI

18. Source: **NUHS Seed Fund for Basic Science Research**
Grant title: Role of the histone acetyltransferase PCAF in rhabdomyosarcoma
Duration: **2 years [2014-2016]**
Amount: **$150,000**
PI or Collaborator: PI

17. Source**: National Medical Research Council**
Grant title: Role of G9a in myogenesis and muscular dystrophy
Duration: **3 years [2012-2015; no cost extension until July 2016]**
Amount: **S$1,000,500.00**
PI or Collaborator: PI

16. Source: **NUHS Bridging grant**
Grant title: Control of muscle cell differentiation and quiescence
Duration: **1.5 years [2014-2015]**
Amount: **S$50,000**
PI or Collaborator: PI

15. Source: **Singapore Stem Cell Consortium**
Grant title: Control of muscle cell differentiation and quiescence
Duration: **3 years [2010-2013]**
Amount: **S$637,234**
PI or Collaborator: PI

14. Source: **Virtual Institute of Ageing**
Grant title: Molecular mechanisms underlying age-related decline of muscle regeneration
Duration: **2 years [2010-2012]**
Amount: **S$20,000**
PI or Collaborator: PI

13. Source: **National Medical Research Council (EDG)**
Grant title: Epigenetic regulation of skeletal muscle differentiation
Duration: **2 years** [**2010-2013**; 1 year no cost extension]
Amount**: S$150,000**
PI or Collaborator: PI

12. Source: **National Medical Research Council**
Grant title: Regulation of stress induced apoptosis and tumorigenesis by Stra13
Duration: **3 years [2009-2012]**
Amount: S**$483,300**
PI or Collaborator: PI

11. Source: **Academic Research Fund (AcRF)**
Grant title: Regulation of fibrosis and TGF-beta signaling by Sharp-1
Duration: **3 years [2009-2012]**
Amount: **S$250,000**
PI or Collaborator: PI

10. Source: NUHS Cross Department Collaborative funding
Grant title: Analysis of Stra13 expression in human muscular dystrophy
Duration: **1 year [2009-2010]**
Amount: **S$40,000**
PI or Collaborator: PI

9. Source: Muscular Dystrophy Association (USA)
Grant title: Regulation of skeletal muscle regeneration by Stra13
Duration: **3 years [2008-2011]**
Amount: **USD$324,126**
PI or Collaborator: PI

8. Source: **NIH/NCI R01CA96628**
Grant title: Molecular basis of differentiation and growth control
Duration: **5 years [2002-2008]**
Amount: **$1,408,968 USD**
PI or Collaborator: PI

7. Source: **Leukemia and Lymphoma Society [Scholar Award] LLS 1055-03**
Grant title: Molecular mechanisms of T cell activation
Duration: **5 years [2002-2007]**
Amount: **$500,00 USD**
PI or Collaborator: PI

6. Source: **Muscular Dystrophy Association MDA 4141**
Grant title: Regulation of skeletal muscle regeneration by STRA13
Duration: **3 years [2006-2008**]
Amount: **$290,367 USD**
PI or Collaborator: PI

5. Source: **March of Dimes Birth Defects Foundation 1-FY-04-100**
Grant title: Function of the bHLH transcription factor Sharp-1 in cellular differentiation
Duration: **3 years [2004-2007]**
Amount: **$229,887 USD**
PI or Collaborator: PI

4. Source**: Lupus Research Institute**
Grant title: Molecular basis of lymphocyte activation
Duration: **3 years [2002-2005]**
Amount: **$225,000 USD**
PI or Collaborator: PI

3. Source: **Charlotte Geyer Foundation Award**
Grant title: Molecular basis of retinoid signaling
Duration: **1 year [2001-2002]**
Amount: **$100,000 USD**
PI or Collaborator: PI

2. Source: **Basil O'Connor Award, March of Dimes**
Grant title: Retinoic acid receptors in development
Duration: **2 years [1999-2001]**
Amount: **$100,000 USD**
PI or Collaborator: PI

1. Source: **NIH/NCI R01 CA78667**
Grant title: Retinoid Signaling and Cellular Differentiation
Duration: **5 years [1998-2003]**
Amount and Dates: **$648,598 USD**
PI or Collaborator: PI

As Co-PI

1. Source: NMRC (EDG)
Grant title: Elucidating the genetic and clinical heterogeneity of neuromuscular disorders
Duration: 2 years [2011-2013]
Amount and Dates: $188,000
PI or Collaborator**: Co-PI**