

CURRICULUM VITAE - HIROSHI TAZAWA

Personal Information

Birth date: June 23, 1941
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Degrees Conferred

Doctor of Medicine - Tohoku University, 1982
Doctor of Engineering - Hokkaido University, 1971
Master of Engineering - Hokkaido University, 1966
Bachelor of Engineering - Hokkaido University, 1964

Academic and Professional Experience

Japan

1971 Research Associate, Division of Medical Electronics, Research Institute of Applied Electricity, Hokkaido University.
1971-1973 Research Associate, Division of Physiology, Research Institute of Applied Electricity, Hokkaido University.
1973-1983 Associate Professor, Department of Physiology, Yamagata University School of Medicine.
1983-1990 Professor, Department of Electronic Engineering, Muroran Institute of Technology.
1990-2007 Professor, Department of Electrical and Electronic Engineering, Muroran Institute of Technology.
2007(4) Professor Emeritus, Muroran Institute of Technology

United States

2007- P/T Research Professor, University of North Texas (since May)

International

1968-1970 Research Associate, Department of Biomedical Engineering, University of Virginia, USA.
1977-1978 Research Fellow, Department of Physiology, Max-Planck-Institute for Experimental Medicine, Germany.
1982(9-11) Research Fellow, Department of Physiology, Max-Planck-Institute for Experimental Medicine, Germany.
1984(5-6) Research Fellow, Department of Zoophysiology, University of Aarhus, Denmark.
1985-1986 Overseas Research Fellow of the Ministry of Education, Science and Culture, Department of Zoophysiology, University of Aarhus, Denmark; Department of Physiology, Max-Planck-Institute for Experimental Medicine; Department of Physiology, State University of New York at Buffalo, USA.

- 1986(6-8) Visiting Professor, Department of Physiology, State University of New York at Buffalo, USA.
- 1987(8-9) Visiting Professor, Department of Physiology, University of Hawaii at Maona, USA.
- 1988(5-7) Visiting Professor, Department of Physiology, University of Hawaii at Maona.
- 1989(7-8) Visiting Professor, Department of Physiology, University of Hawaii at Maona.
- 1990(5-7) Visiting Professor, Department of Zoology, University of Massachusetts at Amherst, USA.
- 1991(5-6) Visiting Professor, Department of Zoology, University of Massachusetts at Amherst.
- 1992(7-8) Visiting Scholar, Department of Zoology, National Taiwan University, Taiwan
- 1993(7) Visiting Scholar, Department of Zoology, National Cheng Kung University, Taiwan.
- 1996(2-3) Visiting Scholar, Department of Zoology, Tel Aviv University, Israel.
- 1996(9-10) Visiting Scholar, Department of Zoology, University of Nevada, Las Vegas, USA.
- 1997(2-3) Visiting Scholar, Department of Zoology, Tel Aviv University, Israel.
- 1998(6-7) Visiting Scholar, Department of Zoology, Tel Aviv University, Israel.
- 1999(3-4) Visiting Scholar, Department of Biological Sciences, University of North Texas, Denton, USA.
- 1999(5-6) Visiting Scholar, Department of Zoology, Tel Aviv University, Israel.
- 2000(3) Visiting Scholar, Department of Biological Sciences, University of North Texas, Denton.
- 2001(2) Visiting Scholar, Department of Biological Sciences, University of North Texas, Denton.
- 2001(11) Visiting Scholar, Department of Biological Sciences, University of North Texas, Denton.
- 2002(1) Visiting Scholar, Department of Biological Sciences, University of North Texas, Denton.
- 2003(2-3) Visiting Scholar, Department of Biological Sciences, University of North Texas, Denton.
- 2004(1-2) Visiting Scholar, Department of Biological Sciences, University of North Texas, Denton.
- 2004(9-10) Visiting Scholar, Department of Biological Sciences, University of North Texas, Denton.
- 2005(1) Visiting Scholar, Department of Biological Sciences, University of North Texas, Denton.
- 2006(1) Visiting Scholar, Department of Biological Sciences, University of North Texas, Denton.
- 2006(11) Visiting Scholar, Department of Zoology, Tel Aviv University, Israel.
- 2007(2-3) Visiting Scholar, Department of Biological Sciences, University of North Texas, Denton.
- 2007(3) Visiting Scholar, Department of Zoology, Tel Aviv University, Israel.

Membership in Editorial Board

Physiological Zoology (1990-1995)

Membership in Learned Societies

Japan Society of Physiology (until 2007)
Japan Society of Comparative Physiology and Biochemistry (until 2007)
American Physiological Society (until 2009)
American Society of Integrative and Comparative Physiology (until 2009)
Deutschen Ornithologen-Gesellschaft (Corresponding member)

Organization of Symposium

1998 – International Symposium on *Cardiac Rhythms in Animals*, Muroran Institute of Technology, Muroran, Japan (March 27-29)

Invitation to Symposium

- 1977 - Satellite Symposium of the 27th International Congress of Physiological Sciences, *Respiratory Function in Birds, Adult and Embryonic*, Max-Planck-Institute for Experimental Medicine, Gottingen, Germany (July 28-30)
- 1979 - Symposium sponsored by the Division of Comparative Physiology and Biochemistry of the American Society of Zoologists, *Physiology of the Avian Egg*, Tampa, USA (December 29-30)
- 1981 - Satellite Symposium of the 32nd Annual Fall Meeting of American Physiological Society, *Comparative Physiology of Respiration*, University of Ohio, Columbus, USA (October 11-12)
- 1982 - Symposium on *Gas Exchange, Gas Transport and Acid-Base Regulation in Lower Vertebrates*, Max-Planck-Institute for Experimental Medicine, Gottingen, Germany (August 27-30)
- 1983 - Satellite Symposium of the 29th International Congress of Physiological Sciences, *Respiration and Metabolism of Embryonic Vertebrates*, University of Adelaide, Adelaide, Australia (September 7-10, 1983)
- 1984 - Alfred Benzon Foundation Symposium on *Cardiovascular Shunts: Phylogenic, Ontogenetic and Clinical Aspects*, Royal Danish Academy of Sciences and Letters, Copenhagen, Denmark (June 17-21)
- 1986 - Satellite Symposium of the 30th International Congress of Physiological Sciences, *Development of the Avian Embryo*, Lester B. Pearson College of the Pacific, Victoria, Canada (July 19-22)
- 1986 - Symposium on *Gas and Heat Exchange of Avian Eggs*, State University of New York at Buffalo, Buffalo, USA (July 30)
- 1989 - The Kjell Johansen Commemorative Symposium, *Strategies of Physiological Adaptation*, The August Krogh Institute, Copenhagen, Denmark (July 6-8)
- 1989 - An International Conference at the University of Manchester, *Physical Influences on Embryonic Development in Birds and Reptiles*, Manchester, England (September 6-8)
- 1989 - 22nd Poultry Science Symposium, *Avian Incubation and Embryology*, West of Scotland College, Ayr, Scotland (September 12-15)

- 1990 - International Symposium, *Mechanisms of Systemic Regulation in Lower Vertebrates: Respiration, Circulation, Ion Transport and Metabolism*, Max-Planck-Institute for Experimental Medicine, Gottingen, Germany (September 1-5)
- 1991 - Satellite Symposium of the 3rd International Congress of Comparative Physiology and Biochemistry, *Phylogenetic Models in Functional Coupling of the CNS and the Cardiovascular System*, Shimoda, Japan (August 31-September 2)
- 1992 - International Joint Meeting of the Society for Experimental Biology, the American Physiological Society, the American Society for Zoology and the Canadian Society for Zoology, *Development in Vertebrate Embryos: Environmental, Parental and Embryonic Interactions*, University of Cambridge, England (August 9-13)
- 1992 - Symposium on *Respiration in Health and Disease: Lessons from Comparative Physiology*, Ruhr University, Bochum, Germany (August 16-20)
- 1994 - American Physiological Society Intersociety Meeting: *Regulation, Integration, Adaptation: A Species Approach; Ontogeny of Cardiovascular Systems*, San Diego, USA (October 29-November 2)
- 1994 - Spontaneous Workshop on *Developmental Physiology*, University of Nevada, Las Vegas, USA (November 4)
- 1996 - 3rd International Workshop on *Investigations of Perinatal Development of Birds*, Free University Berlin, Berlin, Germany (November 1-2)
- 1997 – International Workshop on *Homeostasis and Environment during Development – A Workshop*. Goeteborg, Sweden (June 25-29)
- 1997 – 4th International Workshop on *Perinatal Adaptation*, Humboldt University, Berlin, Germany (November 14-15)
- 1998 – 10th European Poultry Conference, Jerusalem, Israel (June 21-26)
- 1998 – 5th International Workshop on *Perinatal Adaptation*, Institute of Animal Biochemistry and Genetics, Slovak Academy of Sciences, Ivanka pri Dunaji, Slovakia (October 30-31)
- 2000 – 6th International Workshop on *Perinatal Development of Birds*, Free University Berlin, Berlin, Germany (October 12-15)
- 2001 – 2001 Society of Experimental Biology Annual Meeting, University of Kent at Canterbury, Canterbury, United Kingdom (April 2-6)
- 2001 – International Thermal Physiology Symposium (IUPS satellite symposium), Wollongong, Australia (September 2-6)
- 2003 – 6th International Congress of Comparative Physiology and Biochemistry, La Trobe University, Mt. Buller, Australia (February 2-7)
- 2003 – Workshop on Fundamental Physiology and Perinatal Development in Poultry. Humboldt-University of Berlin, Berlin, Germany (October 9-11)
- 2004 – WPC 2004 XXII World's Poultry Congress, Istanbul, Turkey (June 8-13)
- 2005 – The 2nd Combined Workshop Fundamental Physiology of the European Working Group of Physiology and Perinatal Development in Poultry. Humboldt-University of Berlin, Berlin, Germany (September 23-25)

International Meeting

- 1995 - 4th International Cong. of Comp. Physiol. and Biochem., Birmingham, Aug. 6-11.

Reviewing

American Journal of Physiology: Regulatory Integrative and Comparative Physiology (3)
Biotechnology Progress (1)
Comparative Biochemistry and Physiology (12)
French National Research Agency (1)
Journal of Applied Physiology (1)
Journal of Biological Physics (1)
Journal of Comparative Physiology (1)
Journal of Experimental Biology (12)
Journal of Experimental Zoology (1)
Journal of Physiology (London) (1)
Journal of Veterinary Science & Medical Diagnosis (2)
Physiological Zoology (15)
Physiological and Biochemical Zoology (1)
Physiology & Behavior (1)
Poultry Science (14)
Proceedings of the Royal Society B (1)
Respiration Physiology (8)
Respiratory Physiology and Neurobiology (21)
Thermochimica Acta (1)
World Poultry Science Journal (1)
Japanese Journal of Physiology (1)

(100 manuscripts, as of July 2015)