

September 16, 2021

ACHIEVEMENT LIST: KAZUYOSHI TSUTSUI

Name in full: **Kazuyoshi Tsutsui**

Born: September 30, 1952
Died: September 16, 2021 (aged 68)
Place of birth: Hiroshima, Japan
Nationality: Japan

April, 1972: Entered Waseda University
March, 1976: Graduated from Waseda Univ. (B. Sci.)
April, 1976: Entered the graduate school, Waseda Univ.
March, 1981: Awarded the degree, Doctor of Sci.
March, 1983: Employed the Faculty of Science, Hiroshima University
as Research Associate
1988-1989: Postdoctoral Scholar, Department of Neuroscience,
University of Southern California, Los Angeles, USA
March, 1991: Employed Kobe University School of Medicine
as Assistant Professor
February, 1993: Employed the Faculty of Integrated Arts and Sciences,
Hiroshima University as Associate Professor
October, 1996: Employed the Faculty of Integrated Arts and Sciences,
Hiroshima University as Professor
March, 2000: Director of Center for Integrative Brain Sciences at
Hiroshima University
September, 2006: Employed the Department of Biology, Waseda University
as Professor
February, 2013: Emeritus Professor, Hiroshima University
April, 2020: Employed the Graduate School of Integrated Sciences for
Life at Hiroshima University as Specially Appointed
Professor

Honors:

- Top Cited Certification, Journal of Molecular Endocrinology, UK, 2017
- Kobayashi Award, Japan Society for Comparative Endocrinology, Japan, 2016
- Okuma Prize for Science and Technology, Waseda University, Japan, 2015
- Prize for Science and Technology, The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology, Japan, 2015
- In Recognition for the Major Contribution, Society for Research of the Cerebellum

(SRC), 2015

- Bargmann-Scharrer Award, International Federation of Comparative Endocrinological Societies (IFCES), 2013
 - Farner Medal, International Society for Avian Endocrinology, 2008
 - Yoshimura Prize, Japan Society for Pituitary Research, 2008
 - Masao Ito Best Presentation Award, Society for Research on the Cerebellum, 2011
 - Best Paper Award, Japan Society for Comparative Endocrinology, 2007
 - Best Paper Award, Japan Society for Pituitary Research, 2007
 - Best Paper Award, Japan Society for Pituitary Research, 2005
 - Best Presentation Prize, British Society for Reproduction and Fertility, 2004
 - Best Paper Award, Japan Society for Comparative Endocrinology, 2002
 - Zoological Society Prize, Zoological Society of Japan, 2001
 - Best Paper Award, Japan Society for Comparative Endocrinology, 2000
- others

Status:

- Specially Appointed Professor of the Graduate School of Integrated Sciences for Life at Hiroshima University

Committees:

- President, International Federation of Comparative Endocrinological Societies (IFCES), 2017-2022
- Vice-President, International Federation of Comparative Endocrinology Societies (IFCES), 2013-2016
- President, International Society for Avian Endocrinology, 2013-2016
- International Member, Society for Neuroscience (SfN) Annual Meeting Focus Group International Member Session, 2012-
- Representative Member, International Ornithologist's Union, 2010-
- Council Member, Japan Branch of International Neuropeptide Society, 2010-
- President, Asia and Oceania Society for Comparative Endocrinology (AOSCE), 2009-2018
- Scientific Advisory Committee Member, Bit's 1st Annual World Summit of Antivirals (WSA-2008)
- Scientific Advisory Board Member, International Society for Research on Cerebellum (SRC), 2008-
- President, Japan Society for Comparative Endocrinology (JSCE), 2006-2010
- President, Japan Society for Avian Endocrinology, 2006-
- Vice-President, Zoological Society of Japan, 2016-2018
- Council Member, Japan Hormonal Steroid Society, 2006-
- Council Member, Japan Neuroendocrine Society, 2006-
- Council Member, Japanese Society for Comparative Physiology and Biochemistry, 2006-

- Council Member, International Federation of Comparative Endocrinological Societies (IFCES), 2006-2018
 - President, Japan Society for Pituitary Research, 2005
 - Council Member (Secretary General), Asia and Oceania Society for Comparative Endocrinology (AOSCE), 2005-2008
 - Council Member, International Society for Amphibian and Reptilian Endocrinology and Neurobiology, 2003-
 - Council Member, International Society for Avian Endocrinology, 2001-2012
 - Council Member (Treasurer), Asia and Oceania Society for Comparative Endocrinology (AOSCE), 2001-2004
 - Council Member, Japan Society for Reproductive Endocrinology, 1997-
 - Council Member, Zoological Society of Japan, 1999-2002; 2004-2007; 2009-
 - Council Member, Japan Society for Comparative Endocrinology (JSCE), 1995-2005
 - Council Member, Japan Society for Neuroethology, 1995-2005
 - Council Member, Japan Society for Avian Endocrinology, 1995-2005
- others

Editorial Duties:

- Editor-in-Chief, "Neuroendocrinology", 2020-
 - Member, Editorial Board of "Current Neurobiology", 2017-
 - Member, Editorial Advisory Board of "The European Journal of Zoology", 2016-
 - Member, Editorial Board of "Scientific Reports", 2015-
 - Editor, "Brain, Behavior and Immunity (IF:5.6)", 2013-
 - Associate Editor, "Frontiers in Experimental Endocrinology", 2011-
 - Associate Editor, "Frontiers in Neuroendocrine Science", 2010-
 - Member, Review Editorial Board of "Frontiers in Integrative Pharmacology", 2010-
 - Editor, "General and Comparative Endocrinology", 2009-2019
 - Member, Editorial Board of "Endocrinology", 2013-2016
 - Member, Editorial Board of "Journal of Neuroendocrinology", 2010-2015
 - Academic Editor of "PeerJ", 2012-
 - Editor of "Physiology Journal", 2012-
 - Editor of "BioMed Research International", 2013-
 - Senior Editor, "Hormonal Studies", 2012-
 - Member, Editorial Board of "Clin. Immunol. Endocr. Metab. Drugs", 2012-
 - Member, Editorial Board of "Open Journal of Neuroscience", 2009-
 - Member, Honorary Editorial Board of "Journal of Experimental Neuroscience", 2008-
 - Member, Editorial Board of "Animal Cells and Systems", 2008-
 - Editor-in-Chief, "Japanese Journal of Reproductive Endocrinology", 2008-2019
 - Editor, "Japanese Journal of Reproductive Endocrinology", 2003-2007
 - Member, Editorial Board of "Zoological Science", 2007-2011
 - Editor, "Zoological Science", 1999-2006
 - Editor-in-Chief, "Comparative Endocrinology", 2000-2005
 - Member, Editorial Board of "Neuroendocrinology Letters", 1999-
- others

Journal Reviewer Service:

Have reviewed manuscripts for the following journals: Nature, Science, Proc. Natl. Acad. Sci. USA, J. Neuroscience, Neuroscience, J. Neurochem., Eur. J. Neurosci., J. Neuroendocrinol., J. Comp. Neurol., Brain Res., Mol. Brain Res., Mol. Cell. Neurosci., Cell. Mol. Neurobiol., Psychoneuroendocrinol., Neurosci. Lett., Neuroendocrinol. Lett., Neurosci. Res., Cerebellum, Neurochem. Int., Neurobiol. Aging, J. Med. Chem., Endocrinology, J. Endocrinol., J. Mol. Endocrinol., Mol. Endocrinol., Mol. Cell. Endocrinol., Trends Endocrinol. Metab., J. Clin. Endocr. Metab., Gen. Comp. Endocrinol., Cell Tissue Res., J. Mol. Histol., Histol. Histopathol., Naturwissenschaften, Comp. Biochem. Physiol., Endocrine J., Horm. Behav., Life Sci., J. Exp. Zool., J. Biol. Chem., FEBS J., FEBS Lett., J. Steroid Biochem. Mol. Biol., Zool. Sci., Biochem. Biophys. Res. Commun., Biochim. Biophys. Acta, Regul. Pept., Peptides, Mech. Dev., Mol. Reprod. Dev., Biol. Reprod., Reproduction, Fertil. Dev., Dev. Growth Differ., Med. Sci. Monitor, Future Med. Chem., Gynecol. Endocrinol., J. Chem. Neuroanat., Mol. Cell. Biochem., Eur. Neuropsychopharm., Exp. Gerontol., Evolution. Bioinforma., BMC Genomics, J. Chem. Neuroanatomy, J. Exp. Neurosci., Acta Histochem., Aging Cell, J. Biosci., American J. Physiol. Endocrinol. Metabol., J. Mol. Histol., Endocr. J., Front. Endocrin., J. Comp. Physiol. B., Neuroendocrinology, PLoS ONE, Pharm. Sci., Open J. Neurosci., Histology & Histopathology, FASEB J., Nature Communications, Prog. Neurobiol., J. Chem. Neuroanatomy, GLIA, Open Veterinary J., J. Exp. Neurosci., Cur. Med. Chem., Cell. Mol. Life Sci., Tissue and Cell, Nat. Chem. Biol., J. Photochem. Photobiol., J. Naturwissenschaften, Mol. Biol. Report., Peer J., Zygote, Front. Neuroendocrinol., Gene, Current Biol., J. Pharm. Exp. Thera., etc.

Recent Research Carrier for International Joint Research Projects (last 15 yrs.):

- France (INSERM)/Japan (JSPS) with Univ. Rouen (Hubert Vaudry) 2008-2009
- Japan/US (NSF) with Univ. California, Berkeley (George E. Bentley and Lance J. Kriegsfeld) 2006-2008
- USA(NIH)/Japan with Univ. Washington (John C. Wingfield) and Univ. California, Berkeley (George E. Bentley) 2003-2006
- Japan/US with Univ. Washington (John C. Wingfield) and Univ. New Hampshire (Stacia A. Sower) 2001-2003
- UK/Japan with Roslin Institute (Peter J. Sharp) and Univ. Central Lancashire (Robert W. Lea) 1997-2000

Recent Collaborators:

H. Vaudry, J. C. Wingfield, G. E. Bentley, L. J. Kriegsfeld, P. J. Sharp, I. J. Clarke, R. P. Millar, S. A. Sower, Y. Muneoka, K. Ukena, T. Ubuka, S. Haraguchi, T. Osugi, V. S. Chowdhury, J. F. Cockrem, E. Saigoh, Y. L. Son, Y. Tobar, H. Yin, K. Inoue, H. Teranishi, Y. Fukuda, T. Mizuno, M. Narihiro, K. Ishikawa, S. Ishii, O. Koizumi, M. Ueno, H. Minakata, H. Satake, E. Iwakoshi, D. Daukss, K. Gazda, T. Kosugi, G. Bedecarrats, M. Hisada, T. Kawada, N. L. McGuire, R. Calisi, N. Perfito, S. O'Brien, I.

T. Moore, J. P. Jensen, G. J. Kaur, D. W. Wacker, N. A. Ciccone, I. C. Dunn, T. Boswell, S. Kim, Y. C. Huang, J. Reid, J. Jiang, P. Deviche, T. W. Small, M. A. Ottinger, T. Tachibana, M. Furuse, M. A. Cline, D. F. Mei, A. Mason, E. M. Gibson, S. A. Humber, S. Jain, W. P. Williams III, S. Zhao, I. P. Sari, Y. Qi, J. T. Smith, H. C. Parkington, J. Iqbal, Q. Li, A. Tilbrook, K. Morgan, A. J. Pawson, M. Murakami, T. Matsuzaki, T. Iwasa, T. Yasui, M. Irahara, M. A. Johnson, G. S. Fraley, H. Oishi, C. Klausen, C. B. Gilks, T. Yano, P. C. K. Leung, M. Binns, P. A. Cadigan, H. Lai, M. Kitani, A. Suzuuchi, V. Pham, S. Kikuyama, K. Yamamoto, A. Koda, I. Hasumuma, F. Toyoda, K. Sawada, K. Tsunekawa, P. Singh, S. Anjum, A. Krishna, R. Sridaran, S. Sethi, C. M. Chaturvedi, M. R. Jafarzadeh Shirazi, M. J. Zamiri, A. Tamadon, M. Amano, H. Minakata, S. Moriyama, M. Iigo, K. Uchida, M. Nozaki, H. Kawachi, M. Shahjahan, T. Ikegami, H. Okamura, H. Doi, A. Hattori, H. Ando, H. Sakamoto, M. Matsunaga, Y. Honda, Y. Inai, K. Inoue, H. Miyabara, T. Koyama, Y. Ogura, S. Suzuki, S. Hara, M. Kusaka, Y. Suzuki, M. Mita, K. Sasahara, H. Shikimi, S. Honda, N. Harada, M. Hatori, M. Takase, T. Hirota, M. Iitsuka, N. Kurabayashi, K. Kokame, R. Sato, A. Nakai, T. Miyata, Y. Fukada, Y. Yamamoto, J. H. Chang, M. Sato, H. Ueda, K. Tashiro, T. Tokita, J. Y. Seong, J. L. Do Rego, J. Leprince, G. Pelletier, E.-E. Baulieu, etc.

Plenary Lectures and Invited Lectures in International Congresses and Symposia (last 15 yrs.): 101 lectures

K. Tsutsui

Opening Address

First International Symposium of Chinese Comparative Endocrinologists (2018ISCCE)
Shanghai Ocean University.
July 1-4, 2018

K. Tsutsui

Opening Lecture

How to Contribute to the Progress of Comparative Endocrinology:
Discovery of GnIH and Progress and Prospect of GnIH Research
First International Symposium of Chinese Comparative Endocrinologists (2018ISCCE)
Shanghai Ocean University.
July 1-4, 2018

K. Tsutsui

GnIH control of reproductive physiology and behavior
The 18th International Congress of Comparative Endocrinology (ICCE18)
Chateau Lake Louise, Banff National Park, Alberta, Canada
June 4-9, 2017

T. Ubuka and K. Tsutsui

GnIH gene knockout reduces pain, anxiety, and enables intensive exercise in mice
The 18th International Congress of Comparative Endocrinology (ICCE18)
Chateau Lake Louise, Banff National Park, Alberta, Canada

June 4-9, 2017

Y. L. Son and **K. Tsutsui**

Molecular mechanism of gonadotropin-inhibitory hormone action on reproduction
The 18th International Congress of Comparative Endocrinology (ICCE18)
Chateau Lake Louise, Banff National Park, Alberta, Canada
June 4-9, 2017

Y. L. Son, M. Kiyohara and **K. Tsutsui**

GnIH functions as a mediator between the hypothalamic-pituitary-gonadal axis and the hypothalamic-pituitary-thyroid axis
The 22th international Congress of Zoology
OIST, Okinawa, Japan
November 14-19, 2016

Y. Tobar and **K. Tsutsui**

A new pathway mediating social effects on the endocrine system: Female presence acting via noradrenaline release stimulates gonadotropin-inhibitory hormone in the brain and suppresses luteinizing hormone in male quail
The 22th international Congress of Zoology
OIST, Okinawa, Japan
November 14-19, 2016

K. Tsutsui

Presidential Lecture

History of the Farner Medal
The 11th International Symposium on Avian Endocrinology (ISAE2016)
White Oaks Conference Resort in Niagara-on-the-Lake, Canada
October 11-14, 2016

K. Tsutsui

Presidential Lecture

New insights from discovering gonadotropin-inhibitory hormone regulating reproductive function and behavior
The 8th Congress of the Asia and Oceania Society for Comparative Endocrinology
Korea University, Seoul, Korea
June 20-24, 2016

Y. L. Son and **K. Tsutsui**

Investigation of the molecular mechanisms of GnIH action and regulation of GnIH expression by using the cellular model systems
The 8th Congress of the Asia and Oceania Society for Comparative Endocrinology
Korea University, Seoul, Korea
June 20-24, 2016

S. Haraguchi and **K. Tsutsui**

Pineal allopregnanolone saves cerebellar Purkinje cells from apoptosis via a membrane progesterin receptor-mediated

The 8th Congress of the Asia and Oceania Society for Comparative Endocrinology

Korea University, Seoul, Korea

June 20-24, 2016

K. Tsutsui, S. Haraguchi and H. Vaudry

Acute stress increases the synthesis of 7α -hydroxypregnenolone, a new key neurosteroid regulating locomotor activity, through corticosterone action in newts.

The 8th International Symposium on Amphibian and Reptilian Endocrinology and Neurobiology

National Institute for Basic Biology, Okazaki, Japan

November 7 - 9, 2014

K. Tsutsui

Biosynthesis and biological action of pineal allopregnanolone in birds.

The 26th International Ornithological Congress

Rikkyo University, Tokyo, Japan

August 18-24, 2014

K. Tsutsui

Evolution of GnIH structures and functions in chordates.

The 8th International Congress of Neuroendocrinology

Hilton Sydney, Sydney, Australia

August 17-20, 2014

K. Tsutsui, Jean Luc do Rego and H. Vaudry

CRH stimulates neurosteroid biosynthesis in the frog brain: Possible implication in the control of the stress response.

The 27th Conference of European Comparative Endocrinologists

Rennes, France

August 25-29, 2014

S. Haraguchi, H. Vaudry and **K. Tsutsui**

Integrated neuroendocrine control of newt locomotor behavior.

The 27th Conference of European Comparative Endocrinologists

Rennes, France

August 25-29, 2014

K. Tsutsui

Presidential Lecture

Progress in Comparative Endocrinology by Discovering Novel Neuropeptides and Neurosteroids.

The 7th Intercongress Symposium of the Asia and Oceania Society for Comparative Endocrinology

National Taiwan Ocean University, Keelung, Taiwan

March 18-24, 2014

K. Tsutsui

Gonadotropin-inhibitory hormone (GnIH), a new key neurohormone regulating reproduction: Discovery, progress and perspective.

The International Conference on Comparative Endocrinology and Physiology (ICCEP-2013)

RTM Nagpur University, Nagpur, India

October 21-23, 2013

K. Tsutsui

Bargmann-Scharrer Award Lecture

Breakthrough in neuroendocrinology by discovering novel neuropeptides and neurosteroids.

The 17th International Congress of Comparative Endocrinology (ICCE)

University of Barcelona, Barcelona, Spain

July 15-19, 2013

S. Haraguchi, S. Hara, T. Ubuka, M. Mita and **K. Tsutsui**

Pineal allopregnanolone saves cerebellar Purkinje cells from apoptosis.

The 17th International Congress of Comparative Endocrinology (ICCE)

University of Barcelona, Barcelona, Spain

July 15-19, 2013

Y. Tobari, Y. L. Son, Y. Hasegawa and **K. Tsutsui**

Female presence increases gonadotropin-inhibitory hormone gene expression by decreasing norepinephrine in the male quail brain.

The 17th International Congress of Comparative Endocrinology (ICCE)

University of Barcelona, Barcelona, Spain

July 15-19, 2013

K. Tsutsui

Biosynthesis, mode of action and functional significance of neurosteroids in the Purkinje cell.

The 15th International Congress on Hormonal Steroids and Hormones & Cancer (ICHSHC)

Ishikawa Ongakudo, Kanazawa, Japan

November 15-17, 2012

K. Tsutsui

Novel mechanisms regulating diurnal and seasonal changes in locomotor activity by 7α -hydroxypregnenolone, a new bioactive neurosteroid.

The 27th International Congress of the International Society for Chronobiology (Focal theme: "Biological Clocks and Health Issues in the 21st Century")

University of Delhi, Delhi, India

October 3-7, 2012

K. Tsutsui

Discovery of gonadotropin-inhibitory hormone (GnIH) and advancement of reproductive neuroendocrinology.

International Symposium on Frontiers in Biologically Active Peptide Research
The 3rd Meeting of the Japan Branch of the International Neuropeptide Society (INPS)

Kokura Convention Center, Kokura, Japan
September 29-30, 2012

K. Tsutsui

Evolutionary origin of gonadotropin-inhibitory hormone: Insights from lampreys.

The 7th International Symposium on Fish Endocrinology

NH City Hotel, Buenos Aires, Argentina
September 1-6, 2012

K. Tsutsui

Discovery, progress and prospect of gonadotropin-inhibitory hormone (GnIH), a new key regulator of reproduction.

The 5th BRC-UK International Conference Symposium on Neuroscience

ShineVille Resort, Jeju island, Korea
June 27-29, 2012

K. Tsutsui, G. E. Bentley, T. Ubuka, V. S. Chowdhury, G. Bedecarrats, P. J. Sharp, J. C. Wingfield (2012)

Discovery of gonadotropin-inhibitory hormone (GnIH) and advancement of avian neuroendocrinology.

The 10th International Symposium on Avian Endocrinology (ISAE2012)

Nagaragawa Convention Center, Gifu, Japan
June 5-9, 2012

T. Ubuka, Y-L. Son, G. E. Bentley, R. P Millar and **K. Tsutsui** (2012)

Gonadotropin-inhibitory hormone (GnIH) receptor and cell signaling.

The 10th International Symposium on Avian Endocrinology (ISAE2012)

Nagaragawa Convention Center, Gifu, Japan
June 5-9, 2012

K. Ukena, T. Tachibana, J. Leprince, H. Vaudry and **K. Tsutsui** (2012)

Identification, localization and function of a novel neuropeptide, 26RFa, and its cognate receptor, GPR103 in the avian hypothalamus.

The 10th International Symposium on Avian Endocrinology (ISAE2012)

Nagaragawa Convention Center, Gifu, Japan
June 5-9, 2012

S. Haraguchi, K. Inoue, H. Miyabara, S. Suzuki, Y. Ogura, and **K. Tsutsui** (2012)

Melatonin regulates diurnal changes in locomotor activity by regulating

7 α -hydroxypregnenolone synthesis in quail.
The 10th International Symposium on Avian Endocrinology (ISAE2012)
Nagaragawa Convention Center, Gifu, Japan
June 5-9, 2012

H. Vaudry, J. Y. Seong, D. Burel, G. Pelletier, M-C. Tonon, **K. Tsutsui** and J-L. Do Rego (2012)
Neuroendocrine regulation of neurosteroid biosynthesis by hypothalamic neurohormones.
Korean Endocrine Society
Seoul, April 20-21, 2012

T. Ubuka and **K. Tsutsui** (2012)
RNA interference of gonadotropin-inhibitory hormone gene induces aggressive and sexual behaviors in birds.
The 7th Congress of the Asia and Oceania Society for Comparative Endocrinology
Sunway Resort Hotel, Kuala Lumpur, Malaysia
March 3-7, 2012

V. S. Chowdhury, T. Ubuka and **K. Tsutsui** (2012)
Melatonin stimulates the synthesis and release of gonadotropin-inhibitory hormone in birds.
The 7th Congress of the Asia and Oceania Society for Comparative Endocrinology
Sunway Resort Hotel, Kuala Lumpur, Malaysia
March 3-7, 2012

K. Tsutsui (2012)
Presidential Lecture
Create new research directions in comparative endocrinology from Asia and Oceania.
The 7th Congress of the Asia and Oceania Society for Comparative Endocrinology
Sunway Resort Hotel, Kuala Lumpur, Malaysia
March 3-7, 2012

K. Tsutsui (2011)
Neurosteroid biosynthesis and action during cerebellar development
The 4th International Symposium: Society for Research on the Cerebellum
University of Tokyo, Tokyo, Japan
September 18, 2011

K. Tsutsui and H. Vaudry (2011)
Identification, mode of action and functional significance of 7 α -hydroxypregnenolone, a new key regulator of amphibian locomotion.
The 7th International Symposium on Amphibian and Reptilian Endocrinology and Neurobiology
University of Michigan, Ann Arbor, USA
July 11-13, 2011 [July 12].

K. Tsutsui (2011)

Discovery and evolutionary history of gonadotropin-inhibitory hormone (GnIH), a new key neuropeptide controlling reproduction.

The 8th International Congress of Comparative Physiology and Biochemistry (ICCPB2011)

Nagoya Congress Center, Nagoya, Japan

May 31-June 5, 2011 [June 3]

K. Tsutsui (2011)

Gonadotropin-inhibitory hormone (GnIH), a new key neurohormone controlling vertebrate reproduction: Biosynthesis, mode of action and functional significance.

The 2011 International Biomodulation Symposium on 'Biotechnology for Future Era'

Seoul National University, Seoul, Korea

May 26-28, 2011

J.C. Wingfield and **K. Tsutsui (2011)**

Howard Bern Lecture

Putting the brakes on reproduction. Implications for conservation? Global climate change?

Integrative and Comparative Biology (SICB) meeting 2011

Salt Lake City, USA

January 3-7, 2011

K. Tsutsui (2010)

Novel molecular mechanisms underlying diurnal locomotor rhythms in birds:

Coordination of melatonin with 7α -hydroxypregnenolone, a newly discovered avian neurosteroid.

The 25th International Ornithological Congress

Campos do Jordão, Brazil

August 22-28, 2010

K. Tsutsui (2010)

Discovery and evolutionary history of GnIH and kisspeptin, new key neuropeptides controlling reproduction

The 7th International Congress of Neuroendocrinology

Rouen, France

July 11-15, 2010

K. Tsutsui (2010)

Discovery of GnIH: First Identification in Birds and Conservation in Mammals

The Symposium "Gonadotropin inhibitory hormone (GnIH) functions in mammals " at The Endocrine Society's 92nd Annual Meeting

San Diego, California, USA

June 19-22, 2010

K. Tsutsui (2010)

Discovery and functional significance of gonadotropin-inhibitory hormone (GnIH) in vertebrates: From comparative to general

The 14th International Congress of Endocrinology

Kyoto International Conference Center, Kyoto, Japan

March 26-30, 2010

K. Tsutsui (2010)

The President Address: Future Progress of the AOSCE

The 6th Intercongress Symposium of the Asia and Oceania Society for Comparative Endocrinology

Palmerston North, New Zealand

January 19-22, 2010

K. Tsutsui (2009)

Phylogenetic aspects of gonadotropin-inhibitory hormone (GnIH) and its homologs in vertebrates.

Satellite Symposium of the 9th International Symposium on VIP, PACAP and Related Peptides.

Yakushima, Japan

October 2-3, 2009

K. Tsutsui (2009)

Identification of a novel bioactive amphibian neurosteroid, 7 α -hydroxypregnenolone, and its role in the regulation of the diurnal rhythm of locomotor activity in newts

The 6th International Symposium on Amphibian and Reptilian Endocrinology and Neurobiology.

Berlin, Germany

September 20-23, 2009

K. Tsutsui (2009)

New neuropeptides and neurosteroids in vertebrates: Discovery, progress and prospects

The 16th International Congress of Comparative Endocrinology

Hong Kong

June 22-26, 2009

K. Tsutsui (2008)

Novel molecular mechanism inducing sex difference in locomotor activity by

7 α -hydroxypregnenolone, a newly discovered neurosteroid

International Symposium for Gonad and Brain Sex Differentiation

Fukuoka, Japan

September 14-16, 2008

K. Tsutsui (2008)

Discovery of gonadotropin-inhibitory hormone (GnIH), and its mode of action and functional significance

US/Japan International Symposium on Neurosteroids
Gifu, Japan
September 8-11, 2008

S. Haraguchi and **K. Tsutsui** (2008)
Rapid stimulation of locomotor activity by 7α -hydroxypregnenolone identified as a novel neuronal activator
US/Japan International Symposium on Neurosteroids
Gifu, Japan
September 8-11, 2008

K. Tsutsui (2008)
Identification, biosynthesis and function of 7α -hydroxypregnenolone, a new key neurosteroid controlling locomotor activity
The 24th Conference European Comparative Endocrinologists
Genova, Italy
September 2-6, 2008

S. Kikuyama and **K. Tsutsui** (2008)
Hormone-mediated reproductive behavior in the newt
The 24th Conference European Comparative Endocrinologists
Genova, Italy
September 2-6, 2008

K. Tsutsui (2008)
The novel avian neurosteroid 7α -hydroxypregnenolone mediates melatonin action underlying diurnal locomotor rhythms
The 9th International Symposium on Avian Endocrinology
Leuven, Belgium
July 11-15, 2008

K. Tsutsui (2008)
Evolutionary origin and divergence of GnIH and its homologous peptides
The 6th International Symposium on Fish Endocrinology and Neuroendocrinology
Calgary, Canada
June 21-26, 2008

K. Tsutsui (2008)
Gonadotropin-inhibitory hormone (GnIH): discovery, progress and prospect
The 5th International Symposium on Molecular Endocrinology
Hormone Research Center, Gwangju, Korea
April 4, 2008

K. Tsutsui (2007)
Gonadotropin-inhibitory hormone (GnIH) in a new reproductive axis
The 6th Congress of the Asia and Oceania Society for Comparative Endocrinology

Siliguri, India
December 10-14, 2007

K. Tsutsui (2007)

Gonadotropin-inhibitory hormone (GnIH): discovery, mode of action, functional significance and prospective application to reproductive dysfunction
The 5th Anniversary Congress of International Drug Discovery Science and Technology (IDDST)-2007
Xi'an, China
November 7-13, 2007

K. Tsutsui (2007)

Melatonin regulates the production of 7α -hydroxypregnenolone identified as an active neurosteroid stimulating locomotor activity in vertebrates
The 2nd World Congress of Chronobiology
Tokyo, Japan
November 5-6, 2007

K. Tsutsui (2007)

Structures, diverse actions and functional significance of frog growth hormone-releasing peptide (fGRP) and its related peptides (fGRP-RPs)
The 5th International Symposium on Amphibian and Reptile Endocrinology and Neurobiology
Double Tree Hotel and Conference Center at the Berkeley Marina, Berkeley, California, USA
March 26-28, 2007

S. Kikuyama and **K. Tsutsui (2007)**

Involvement of steroidal substances in the newt reproductive behavior
The 5th International Symposium on Amphibian and Reptile Endocrinology and Neurobiology
Double Tree Hotel and Conference Center at the Berkeley Marina, Berkeley, California, USA
March 26-28, 2007

K. Tsutsui (2006)

The comparative biology of gonadotrophin-inhibitory hormone (GnIH) and its homologous peptides
The 23rd Conference of European Comparative Endocrinologists
The University of Manchester, Manchester, UK
August 29 - September 2, 2006

K. Tsutsui (2006)

Discovery of gonadotropin-inhibitory hormone in a domesticated bird, its mode of action and functional significance
The 24th International Ornithological Congress

Hamburg, Germany
August 13-19, 2006

G. E. Bentley, N. Perfito, T. Ubuka, K. Ukena, T. Osugi, S. O'Brien, **K. Tsutsui** and J. C. Wingfield (2006)
Gonadotropin-inhibitory hormone in seasonally-breeding songbirds: Neuroanatomy and functional biology.
The 24th International Ornithological Congress
Hamburg, Germany
August 13-19, 2006

S. Kikuyama and **K. Tsutsui** (2006)
Recently discovered hormonal and pheromonal substances in amphibians
The 6th International Congress of Neuroendocrinology
Pittsburgh, Pennsylvania USA
June 19-22, 2006

K. Tsutsui (2006)
Dendritic growth, spinogenesis and synaptogenesis in response to neurosteroids in the developing Purkinje cell
International Symposium on Hormonal Regulation on Neurons and Network: Synaptogenesis to Behavior
The 29th Annual Meeting (Neuroscience 2006) of the Japan Neuroscience Society
Kyoto International Conference Hall, Kyoto, Japan
[July 19-21]

K. Tsutsui (2006)
Biosynthesis, mode of action and functional significance of neurosteroids in the developing Purkinje cell
The 17th International Symposium of the Journal of Steroid Biochemistry and Molecular Biology
Seefeld, Tyrol, Austria
May 31-June 3, 2006

K. Tsutsui (2006)
Avian gonadotropin-inhibitory hormone (GnIH): Identification, mode of action and functional significance
The 5th Intercongress Symposium of the Asia and Oceania Society for Comparative Endocrinology
Bangkok, Thailand
February 7-10, 2006

K. Tsutsui (2005)
Neurosteroid biosynthesis and function in the quail brain
The 15th International Congress of Comparative Endocrinology
Boston, Massachusetts, USA

K. Tsutsui (2005)

Mode of action and functional significance of avian gonadotropin-inhibitory hormone (GnIH)

The 15th International Congress of Comparative Endocrinology
Boston, Massachusetts, USA

K. Ukena and **K. Tsutsui (2005)**

Structures and diverse functions of frog growth hormone-releasing peptide (fGRP) and its related peptides (fGRP-RPs)

The 15th International Congress of Comparative Endocrinology
Boston, Massachusetts, USA

K. Tsutsui (2005)

Molecular evolution of the RF-amide peptide family

Satellite Workshop on Reproductive Endocrine System in Agnathans and Protochordates

The 15th International Congress of Comparative Endocrinology
University of New Hampshire, New Hampshire, USA

K. Tsutsui (2005)

Discovery of gonadotropin-inhibitory hormone (GnIH) and its mode of action and functional significance

ISCE Symposium on Comparative Endocrinology and Reproductive Physiology:
Retrospect and Prospect
New Delhi, India

K. Tsutsui (2004)

Synapse formation in response to neurosteroids in the Purkinje neuron

The 7th International Symposium on Molecular Medicine
Crete, Greece

K. Tsutsui (2004)

Probing neurosteroids and novel neuropeptides in the avian brain: discovery, progress and perspective

The 8th International Symposium on Avian Endocrinology
Phoenix, Arizona, USA

K. Ukena and **K. Tsutsui (2004)**

GnIH and its related peptides in the quail brain: Identification, localization and function

The 8th International Symposium on Avian Endocrinology
Phoenix, Arizona, USA

K. Tsutsui (2004)

Classical and novel neurosteroids in vertebrate brains

The 5th Congress of the Asia and Oceania Society for Comparative Endocrinology

Nara, Japan

T. Oishi, K. Ukena and **K. Tsutsui** (2004)
Neuropeptides and neurosteroids in the brain of non-mammalian vertebrates:
Implication in photoperiodism
The 14th International Congress on Photobiology
Jeju, Korea

K. Tsutsui (2003)
Organizing actions of neurosteroids synthesized *de novo* in the brain neuron
The 6th International Symposium on Molecular Medicine
Crete, Greece

S. Kikuyama and **K. Tsutsui** (2003)
Bullfrog RFamide peptide: multiple forms and multiple function
The 4th International Symposium on Amphibian and Reptilian Endocrinology and
Neurobiology Jeju, Korea

K. Tsutsui (2003)
Classical and novel neurosteroids in the amphibian brain
The 4th International Symposium on Amphibian and Reptilian Endocrinology and
Neurobiology Jeju, Korea

K. Tsutsui (2002)
Discovery of gonadotropin-inhibitory hormone (GnIH)
International Symposium on Molecular Endocrinology and Cellular Signals
Calcutta, India

K. Tsutsui (2002)
Biosynthesis and action of neurosteroids in the cerebellar Purkinje neuron
The 11th International Congress on Hormonal Steroids/ the 7th International Congress
on Hormones and Cancer
Fukuoka, Japan

K. Tsutsui (2002)
Recent advances in avian neuroendocrinology: GnRH and GnIH
The 4th Intercongress Symposium of the Asia and Oceania Society for Comparative
Endocrinology
Guangzhou, China

L. W. Lea and **K. Tsutsui** (2002)
Comparative aspects of neurosteroids: production and function
European Physiological Society Conference 2002
Preston, UK

G. E. Bentley, N. Perfito, I. Moor, K. Ukena, **K. Tsutsui** and J. C. Wingfield (2002)

Gonadotropin-inhibitory hormone in birds: possible modes of action
The 23rd International Ornithological Congress
Beijing, China

K. Tsutsui (2001)
Roles of neurosteroids in the regulation of parental behavior
Neuro2001 International Symposium on Behavioral Neuroendocrinology
Kyoto, Japan

K. Tsutsui (2001)
A novel hypothalamic neuropeptide: Gonadotropin-inhibitory hormone
The 4th International Symposium on Molecular Medicine
Crete, Greece

K. Tsutsui (2001)
A novel hypothalamic peptide inhibiting gonadotropin release
The 14th International Congress of Comparative Endocrinology
Sorrento, Italy

K. Tsutsui (2000)
Neurosteroids in the Purkinje neuron and their genomic and non-genomic actions
US/Japan International Symposium on Neuroplasticity, Development and Steroid
Hormone Action
Honolulu, USA

K. Tsutsui (2000)
Novel cerebellar function: Biosynthesis and actions of neurosteroids in the cerebellar
Purkinje neurons
The 3rd International Symposium on Molecular Medicine
Crete, Greece

K. Tsutsui (2000)
Neurosteroids in vertebrate brains and their acute and prolonged actions
The 20th Conference of European Comparative Endocrinologists
Faro, Portugal

K. Tsutsui (2000)
Novel brain function: Neurosteroids and their actions.
The 4th International Symposium on Recent Trends in Life Science
Trivandrum, India

K. Tsutsui (2000)
A novel hypothalamic peptide regulating gonadotropin release
The 4th Congress of the Asia and Oceania Society for Comparative Endocrinology
Taipei, Taiwan

K. Tsutsui (2000)

Steroidogenesis in the avian brain

The 7th International Symposium on Avian Endocrinology

Varanasi, India

K. Tsutsui (2000)

A novel avian hypothalamic peptide and its possible function

The 7th International Symposium on Avian Endocrinology

Varanasi, India

K. Tsutsui (1999)

Neuronal neurosteroidogenesis in the cerebellum

International Symposium on Molecular Steroidogenesis

Nara, Japan

K. Tsutsui (1998)

Neurosteroids in the cerebellar Purkinje neuron and their actions

The 4th International Congress of Neuroendocrinology

Kyoto, Japan

K. Tsutsui (1997)

Biosynthesis and functions of neurosteroids in cerebellar Purkinje neurons

Conferences Philippe Laudat on Neuroactive Neurosteroids

Aix-Les-Bains, France

K. Tsutsui (1997)

Biosynthesis and function of neurosteroids in the rat cerebellar Purkinje neuron

Satellite Symposium of the 8th International Congress of Comparative Endocrinology

Hiroshima, Japan

International Congresses and Symposia Organized (last 15 yrs.):

26 congresses and symposia

Organizers: K. Tsutsui and T. Ubuka (2017)

Symposium on “Neurochemical Regulation of Instinctive Behavior”

The 18th International Congress of Comparative Endocrinology (ICCE18)

Chateau Lake Louise, Banff National Park, Alberta, Canada

June 5, 2017

Organizers: K. Tsutsui, T. Ubuka and T. Soga (2016)

Symposium on “New Regulatory Mechanisms of Reproduction and Behavior”

The 8th Congress of the Asia and Oceania Society for Comparative Endocrinology

Korea University, Seoul, Korea

June 20-24, 2016

Organizers: H. Ando, **K. Tsutsui** and Y. Takei (2016)
Symposium on “New Generation of Chemical Mediators: In Commemoration of the Publication of ‘Handbook of Hormones’”
The 8th Congress of the Asia and Oceania Society for Comparative Endocrinology
Korea University, Seoul, Korea
June 20-24, 2016

Organizers: Y. Takei, H. Ando and **K. Tsutsui** (2014)
International Symposium on “In Commemoration of the Publication of ‘Handbook of Hormones’: What is the Next Target for Research in Comparative Endocrinology?”
The 86th Annual Meeting of the Zoological Society of Japan
Toki Messe: Niigata Convention Center, Niigata
September 17, 2015

Organizers: **K. Tsutsui** and R. Denver (2014)
Symposium on "Neuroendocrinology"
The 8th International Symposium on Amphibian and Reptilian Endocrinology and Neurobiology
National Institute for Basic Biology, Okazaki, Japan
November 7 - 9, 2014

Organizers: **K. Tsutsui** and B. Schlinger (2014)
Symposium on "Avian Neurosteroids: Biosynthesis and Biological Action"
The 26th International Ornithological Congress
Rikkyo University, Tokyo, Japan
August 18-24, 2014

Organizers: **K. Tsutsui** and H. Vaudry (2013)
Symposium on "Neurosteroids – biosynthesis and new functions"
The 17th International Congress of Comparative Endocrinology (ICCE)
University of Barcelona, Barcelona, Spain
July 15-19, 2013

Organizer: **K. Tsutsui** (2012)
The 10th International Symposium on Avian Endocrinology (ISAE2012)
Nagaragawa Convention Center, Gifu, Japan
June 5-9, 2012

Organizers: S. Tsuji, **K. Tsutsui**, Y. Ugawa and N. Koibuchi (2011)
The 4th International Symposium: Society for Research on the Cerebellum
University of Tokyo, Tokyo, Japan
September 18, 2011

Organizers: **K. Tsutsui** and H. Vaudry (2011)
Symposium on "Discovery of New Hormones and Functions: From Comparative to

General"

The 8th International Congress of Comparative Physiology and Biochemistry
(ICCPB2011)

Nagoya Congress Center, Nagoya, Japan

May 31-June 5, 2011

Organizers: K. Tsutsui and H. Vaudry (2010)

Symposium on "New peptides in comparative endocrinology"

The 14th International Congress of Endocrinology

Kyoto International Conference Center, Kyoto, Japan

March 27, 2010

Organizers: K. Tsutsui and L. J. Kriegsfeld (2009)

Symposium on "Vertebrate Reproductive Endocrinology"

The 16th International Congress of Comparative Endocrinology

Hong Kong

June 22-26, 2009

Organizers: K-I. Morohashi, Y. Nagahama, G. Yamada, Y. Sakuma and K. Tsutsui
(2008)

International Symposium on "Gonad and Brain Sex Differentiation"

Fukuoka, Japan

September 14-16, 2008

Organizers: N. Harada, Robert J. Handa, Ei Terasawa and K. Tsutsui (2008)

US/Japan International Symposium on "Neurosteroids"

Gifu, Japan

September 8-11, 2008

Organizers: H. Vaudry and K. Tsutsui (2008)

Symposium on "Neurosteroids, a New Family of Neurotransmitters"

The 24th Conference European Comparative Endocrinologists

Genova, Italy

September 2-6, 2008

Organizers: G. Ball, B. Schlinger and K. Tsutsui (2008)

International Symposium on "Brain Plasticity"

The 9th International Symposium on Avian Endocrinology

Leuven, Belgium

July 11-15, 2008

Organizers: K. Tsutsui and K-I. Morohashi (2006)

International Symposium on "Molecular Mechanisms of Sex Determination and
Differentiation"

The 77th Annual Meeting of the Zoological Society of Japan

Matsue, Japan

Organizers: P. Sharp and **K. Tsutsui** (2006)

International Symposium on "Comparative Reproductive Neuroendocrinology"
The 23rd Conference of European Comparative Endocrinologists
Manchester, UK

Organizers: M. Kawata and **K. Tsutsui** (2006)

International Symposium on "Hormonal Regulation on Neurons and Network:
Synaptogenesis to Behavior"
The 29th Annual Meeting (Neuroscience 2006) of the Japan Neuroscience Society
Kyoto, Japan

Organizers: **K. Tsutsui** and H. Vaudry (2005)

International Symposium on "Biosynthesis and Function of Neurosteroids in Vertebrate
Brains"
The 15th International Congress of Comparative Endocrinology
Boston, Massachusetts, USA

Organizers: **K. Tsutsui** and H. Vaudry (2005)

International Symposium on "Structure and Function of Novel Hypothalamic
Neuropeptides in Vertebrates: Their Unity and Diversity"
The 15th International Congress of Comparative Endocrinology
Boston, Massachusetts, USA

Organizers: **K. Tsutsui** and M. Kawata (2004)

International Symposium on "Mechanisms of Adaptive Socialization in the Brain:
Integration and Disruption among Environmental, Hormonal and Gene Informations"
The 27th Annual Meeting (Neuroscience 2004) of the Japan Neuroscience Society
Osaka, Japan

Organizers: T. Oishi and **K. Tsutsui** (2004)

The 5th Congress of the Asia and Oceania Society for Comparative Endocrinology in
Conjunction with the Annual Meeting of the Japan Society for Comparative
Endocrinology
Nara, Japan

Organizers: **K. Tsutsui** and J. C. Wingfield (2004)

International Symposium on "GnIH Structure and Function in Birds"
The 8th International Symposium on Avian Endocrinology
Phoenix, Arizona, USA

Organizers: **K. Tsutsui** and T. Matsushima (2001)

International Symposium on "A New Trend of Behavioral Neuroendocrinology"
The 24th Annual Meeting (Neuroscience 2001) of the Japan Neuroscience Society
Kyoto, Japan

Organizers: K. Tsutsui and B. Schlinger (2000)
International Symposium on "Brain, Steroids and Behaviour"
The 7th International Symposium on Avian Endocrinology
Varanasi, India

Organizers: Y. Muneoka and **K. Tsutsui** (2000)
International Symposium on "Peace and Biology: Evolutionary Aspects of Chemical"
Messengers and Their Receptors
Hiroshima, Japan

Scopus data: publications 320, number of citations 15375, h-index 69

LIST OF PUBLICATIONS: KAZUYOSHI TSUTSUI

ORIGINAL PAPERS: 247 papers

R. Manoochehri, M. R. Jafarzadeh Shirazi, A. Akhlaghi, **K. Tsutsui**, M. R. Namavar, M. J. Zamiri, F. M. Rezazadeh. (2021) The localization and expression of gonadotropin-inhibitory hormone in the hypothalamus of turkey-hens during the pre-pubertal, pubertal, and post-pubertal phases. *Dom. Anim. Endocrinol.* 74:106486.

F, Joseph, M. Abhishek, **K. Tsutsui**, A. Banerjee. (2020) Regulation of the hypothalamic GnRH-GnIH system in adult female rats and GT1-7 neuronal cell line. *J. Exp. Zool. Part A* 333:214-229.

C. Pinelli, A.G. Jadhao, B. D'Aniello and K. Tsutsui. (2020) Distribution of gonadotropin-inhibitory hormone (GnIH)-like immunoreactivity in the brain and pituitary of the frog (*Pelophylax esculentus*) during development. *Cell Tissue Res.* 380:115-127

S. Haraguchi, M. Kamata, T. Tokit, K. Tashiro, M. Sato, M. Nozaki, M. Okamoto-Katsuyama, I. Shimizu, G. Han, V. S. Chowdhury, X. Lei, T. Miyazaki, J. Kim-Kaneyama, T. Nakamachi, K. Matsuda, H. Ohtaki, T. Tokumoto, T. Tachibana, A. Miyazaki and **K. Tsutsui** (2019) Light-at-night exposure affects brain development through pineal allopregnanolone-dependent mechanisms. *eLife* 8:e45306 DOI: 10.7554/eLife.45306

Y. Tobari and K. Tsutsui (2019) Effects of social information on the release and expression of gonadotropin-inhibitory hormone in birds. *Front. Endocrinol.* 10:243

H. Kanasaki, T. Tumurbaatar, A. Oride, Z. Tumurgan, H. Okada, T. Hara, **K. Tsutsui** and S. Kyo S. (2019) Role of RFRP-3 in the regulation of kiss-1 gene expression in the AVPV hypothalamic cell model mHypoA-50. *Reprod Sci.* 26:1249-1255.

M. P. Di Yorio, D. I. Pérez Sirkin, J. A. Muñoz-Cueto, T. H. Delgadin, **K. Tsutsui**, G. M. Somoza and P. G. Vissio (2019) Morphological relationship between GnIH and GnRH neurons in the brain of the Neotropical cichlid fish *Cichlasoma dimerus*. *Gen. Comp. Endocrinol.* 273:144-151.

M. Amano, N. Amiya, N. Yamamoto, T. Osugi and **K. Tsutsui** (2019) Immunohistochemical detection of prolactin-releasing peptide2 in the brain of the inshore hagfish *Eptatretus burger*. *Gen. Comp. Endocrinol.* 274:1-7.

- M. Mita, H. Katayama, K. Nakamura and **K. Tsutsui** (2019) Interaction of starfish gonadotropin with its receptor: Effect of chimeric relaxin-like gonad-stimulating peptides. *Gen. Comp. Endocrinol.* 276:30-36.
- K. Poissenot, K. Anger, P. Constantin, F. Cornilleau, D. Lomet, **K. Tsutsui**, H. Dardente, L. Calandreau and M. Beltramo (2019) Brain mapping of the gonadotropin-inhibitory hormone-related peptide 2 with a novel antibody suggests a connection with emotional reactivity in the Japanese quail (*Coturnix japonica*). *J. Comp. Neurol.* 527:1872-1884.
- M. P. Di Yorío, J. E. Sallemi, F. J. Toledo Solís, D. I. Pérez Sirkin, T. H. Delgadin, **K. Tsutsui** and P. G. Vissio (2018) Ontogeny of gonadotrophin-inhibitory hormone in the cichlid fish *Cichlasoma dimerus*. *J. Neuroendocrinol.* 30: e12608 doi: 10.1111/jne.12608
- M. Nozaki, S. Haraguchi, T. Miyazak, D. Shigeta, N. Kano, X.-F. Lei, J. Kim-Kaneyama, H. Minakata, A. Miyazaki and **K. Tsutsui** (2018) Expression of steroidogenic enzymes and metabolism of steroids in COS-7 cells known as non-steroidogenic cells. *Scientific Reports* 8:2167. |DOI:10.1038/s4
- T. Tumurbaatar, H. Kanasaki, A. Oride, T. Hara, H. Okada, **K. Tsutsui** and S. Kyo (2018) Action of neurotensin, corticotropin-releasing hormone, and RFamide-related peptide-3 in E2-induced negative feedback control: studies using a mouse arcuate nucleus hypothalamic cell model. *Biol. Reprod.*, ioy145, <https://doi.org/10.1093/biolre/iyoy145>
- H. Wang, A. Khoradmehr, M. Jalali, M. S. Salehi, **K. Tsutsui**, M. R. J. Shirazi, and A. Tamadon (2018) The Roles of RFamide-related peptides (RFRPs), mammalian gonadotropin-inhibitory hormone (GnIH) orthologues, in female reproduction. *J. Basic Med. Sci.* 21:1210-1220.
- T. Tumurbaatar, H. Kanasaki, A. Oride, T. Hara, H. Okada, **K. Tsutsui** and S. Kyo (2018) Action of neurotensin, corticotropin-releasing hormone, and RFamide-related peptide-3 in E2-induced negative feedback control: studies using a mouse arcuate nucleus hypothalamic cell model. *Biol. Reprod.* 99:1216-1226. doi.org/10.1093/biolre/iyoy145
- M. P. Di Yorío¹, J. E. Sallemi, F. J. Toledo Solís, D. I. Pérez Sirkin, T. H. Delgadin, **K. Tsutsui** and P. G. Vissio (2018) Ontogeny of gonadotropin-inhibitory hormone (GnIH) in the cichlid fish *Cichlasoma dimerus*. *J. Neuroendocrinol.*, 30:e12608.
- F. M. Rezazadeh, S. Saedi, F. Rahmanifar, M. R. Namavar, M. Dianatpour, N. Tanideh, A. Akhlaghi, A. Niazi, A. A. Monfared, **K. Tsutsui**, M. R. Shirazi and A. Tamadon (2018) Fast free of acrylamide clearing tissue (FACT) for clearing, immunolabeling and three-dimensional imaging of partridge tissues. *Microsc. Res. Tech.* 2018: 1-9.

- A. Dave, A. Krishna and **K. Tsutsui** (2017) Direct effects of RFRP-1, a mammalian GnIH ortholog, on ovarian activities of the cyclic mouse. *Gen. Comp. Endocrinol.* 252:193-199.
- F. Maekawa, K. Nagino, J. Yang, N.T.T. Htike, S. Tsukahara, T. Ubuka, **K. Tsutsui**, T. Kawashima (2018) Strain differences in intermale aggression and possible factors regulating increased aggression in Japanese quail. *Gen. Comp. Endocrinol.*, 256:63-70. doi: 10.1016/j.ygcen.2017.07.025.
- Y. Tobar, N. Kansaku and **K. Tsutsui** (2017) Noradrenergic modulation of gonadotropin-inhibitory hormone gene expression in the brain of Japanese quail. *J. Neuroendocrinol.*, 29(8). doi: 10.1111/jne.12503.
- M. Kiyohara, Y. L. Son and **K. Tsutsui** (2017) Involvement of gonadotropin-inhibitory hormone in pubertal disorders induced by thyroid status. *Scientific Reports* 7:1042. doi: 10.1038/s41598-017-01183-8.
- F. M. Rezazadeh, M. R. J. Shirazi, M. J. Zamiri, M. S. Salehi, M. R. Namavar, A. Akhlaghi, A. Tamadon and **K. Tsutsui** (2017) Seasonal changes in hypothalamic gonadotropin-inhibitory hormone expression in the paraventricular nucleus of chukar partridge (*Alectoris chukar*). *Anim. Reprod.*, 14:452-458.
- S. P. Pandey, **K. Tsutsui** and B. Mohanty (2017) Endocrine disrupting pesticides impair the neuroendocrine regulation of reproductive behaviors and secondary sexual characters of red munia (*Amandava amandava*). *Physiol. Behav.*, 173:15-22.
- B. Mohanty, S.P. Pandey, **K. Tsutsui** (2017) Thyroid disrupting pesticides impair the hypothalamic-pituitary-testicular axis of a wildlife bird, *Amandava amandava*. *Reprod. Toxicol.* 71:32-41. doi: 10.1016/j.reprotox.2017.04.006.
- T. Kawashima, W. M.S. Ahmed, K. Nagino, T. Ubuka and **K. Tsutsui** (2016) Avian test battery for the evaluation of developmental abnormalities of neuro- and reproductive systems. *Front. Neurosci.* 10:296. doi: 10.3389/fnins.2016.00296.
- Y. L. Son, T. Ubuka, T. Soga, K. Yamamoto, G. E. Bentley and **K. Tsutsui** (2016) Inhibitory action of gonadotropin-inhibitory hormone on the signaling pathways induced by kisspeptin and vasoactive intestinal polypeptide in GnRH neuronal cell line, GT1-7. *FASEB J.* 30:2198-210.
- M. P. Yorio, D. I. Sirkin, T. H. Delgadín, A. Shimizu, **K. Tsutsui** and P. G. Vissio (2016) Gonadotropin-inhibitory hormone in the cichlid fish *Cichlasoma dimerus*: structure, brain distribution and differential effects on the secretion of gonadotropins and growth hormone. *J. Neuroendocrinol.* 28:10.1111/jne.12377.

- S. Anjum, A. Krishna and **K. Tsutsui** (2016) Possible role of GnIH as a mediator between adiposity and impaired testicular function. *Front. Endocrinol.* 7:6. doi: 10.3389/fendo.2016.00006.
- S. Banerjee, **K. Tsutsui** and C. M. Chaturvedi (2016) Apoptosis-mediated testicular alteration in Japanese quail (*Coturnix coturnix japonica*) in response to temporal phase relation of serotonergic and dopaminergic oscillations. *J. Exp. Biol.* 219:1476-1487.
- J. B. Henningsen, V.-J. Poirel, J. D. Mikkelsen, **K. Tsutsui**, V. Simonneaux and F. Gauer (2016) Sex differences in the photoperiodic regulation of RF-amide related peptide (RFRP) and its receptor GPR147 in the Syrian hamster. *J. Comp. Neurol.* 524:1825-1838.
- S. Davies, S. Lane, S. Meddle, **K. Tsutsui** and P. Deviche (2016) The ecological and physiological bases of variation in the phenology of gonad growth in an urban and desert songbird. *Gen. Comp. Endocrinol.* 230-231:17-25.
- S. Davies, T. Cros, D. Richard, S. L. Meddle, **K. Tsutsui** and P. Deviche (2016) Food availability, energetic constraints and reproductive development in a wild seasonally breeding songbird. *Funct. Ecol.* 11:1421-1434.
- Y. Ogura, S. Haraguchi and **K. Tsutsui** (2016) 7α -Hydroxypregnenolone enhances male sexual behavior depending on gonadal androgen. *Gen. Comp. Endocrinol.* 227:130-135.
- K. Ukena, E. Iwakoshi-Ukena, T. Osugi and **K. Tsutsui** (2016) Identification and localization of gonadotropin-inhibitory hormone (GnIH) orthologs in the hypothalamus of red-eared turtle, *Trachemys scripta*. *Gen. Comp. Endocrinol.* 227:69-76.
- M. Mita, S. Haraguchi, N. Ikeda, M. Abe and **K. Tsutsui** (2016) Nucleotide sequence and expression of relaxin-like gonad-stimulating peptide gene in starfish *Asterina pectinifera*. *Gen. Comp. Endocrinol.* 11:1421-1434.
- S. Haraguchi, N. Ikeda, M. Abe, **K. Tsutsui** and M. Mita (2016) Nucleotide sequence and expression of relaxin-like gonad-stimulating peptide gene in starfish *Asterina pectinifera*. *Gen. Comp. Endocrinol.* 227:115-119.
- N. Ikeda, H. Uzawa, M. Daiya, S. Haraguchi, **K. Tsutsui** and M. Mita (2015) Relaxin-like gonad-stimulating substance is a highly conservative peptide in starfish *Asterina pectinifera*. *Invert. Reprod. Dev.* 59:224-229.
- M. Mita, N. Ikeda, S. Haraguchi, **K. Tsutsui**, Y. Nakano and M. Nakamura (2015) A gonad-stimulating peptide of the crown-of-thorns seastar, *Acanthaster planci*. *Invert. Reprod. Dev.* 59:212-217.
- S. Haraguchi, Y. Yamamoto, Y. Suzuki, J. H. Chang, T. Koyama, M. Sato, M. Mita, H.

Ueda and **K. Tsutsui** (2015) 7α -Hydroxypregnenolone, a key neuronal modulator of locomotion, stimulates upstream migration by means of the dopaminergic system in salmon. *Scientific Reports* 5:12546. doi: 10.1038/srep12546.

S. Valle, E. Carpentier, B. Vu, **K. Tsutsui** and P. Deviche (2015) Food restriction negatively affects multiple levels of the reproductive axis in male House Finches. *J. Exp. Biol.* 218(Pt 17):2694-704.

S. Biswas, A. G. Jadhao, C. Pinelli, N. V. Palande and **K. Tsutsui** (2015) GnIH and GnRH expressions in the central nervous system and pituitary of Indian major carp, *Labeo rohita* during ontogeny: An immunocytochemical study. *Gen. Comp. Endocrinol.* 220:88-92.

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