Curriculum Vitae

CONTACT INFORMATION

Tae Kim, M.D., Ph.D.
Clinical Instructor, Department of Psychiatry
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ACADEMIC APPOINTMENTS

2013-Present	Clinical Instructor, Department of Psychiatry, Seoul National University Bundang Hospital
2011-Present	Instructor, Department of Psychiatry, Harvard Medical School
2008-2011	Research Fellow for Dr. Robert W. McCarley and Dr. Radhika Basheer Laboratory of neuroscience, Department of psychiatry, Harvard Medical School

EDUCATION AND TRAINING

2007-2009	Ph.D. degree (advisor: Dr. Jong Woo Kim) College of Medicine, Kyung Hee University, Seoul, South Korea
2002-2004	M.S. degree (advisor: Dr. Ji-Young Song) College of Medicine, Kyung Hee University, Seoul, South Korea
2000-2004	Residency in psychiatry Kyung Hee Medical Center, Seoul, South Korea
1999-2000	Internship Kyung Hee Medical Center, Seoul, South Korea
1993-1999	M.D. degree College of Medicine, Kyung Hee University, Seoul, South Korea

LICENSURE

1999	Licensed as a Physician by Minister of Health & Welfare, South Korea
2004	Licensed as a Psychiatrist by Minister of Health & Welfare, South Korea

EMPLOYMENT HISTORY

Mar 2013-present	Clinical Instructor, Department of Psychiatry, Seoul National University

	Bundang Hospital
Sep 2011- present	Instructor, Department of Psychiatry, Harvard Medical School
Sep 2008-Aug 2011	Research Fellow, Department of Psychiatry, Harvard Medical School
Apr 2007-Aug 2008	Psychiatrist, Mindlle Hospital of Sol Medical Foundation
Apr 2004-May 2007	Public Health Doctor, Gongju National Hospital
Mar 1999-Feb 2004	Internship & residency at Kyung Hee University Hospital

AWARD and SCHOLARSHIP

2012 Young Presentation Award & Best Presentation Award, The 15th Pacific Rim College of Psychiatrists Scientific Meeting, Seoul, Korea

2011 Hot Topic, The 50th American College of Neuropsychopharmacology, Hawaii, USA

2011 Travel Award, The 6th World Congress of the World Sleep Federation, Kyoto, Japan

2007 Graduate Research Scholarship from Graduate School, Kyung Hee University

2007 Academic Research Scholarship from Graduate School, Kyung Hee University

2006 Invited as a commentator, The 3rd Workshop on Development of Professional and Academic Skills of Young Psychiatrists

2005 Most Active Participant Award, World Health Organization (WHO) Collaborating Center of Yong-In Hospital

2003 Best Oral Presentation Award, Korean Neuropsychiatric Association

1996 Undergraduate Scholarship from College of Medicine, Kyung Hee University

1994 Undergraduate Scholarship from College of Medicine, Kyung Hee University

INVITED ORAL PRESENTATION

Oct 29th, 2012 Department of Psychiatry, Seoul National University Hospital, Bundang, Korea

Oct 23th, 2012 Department of Psychiatry, Seoul National University Hospital, Seoul, Korea

Oct 19th, 2011 Congress of World Sleep Federation, Kyoto, Japan. Parvalbumin-positive basal forebrain neurons entrain cortical gamma oscillations and promotes wakefulness: an optogenetic study

Oct 13th, 2011 Harvard-KIST collaboration symposium, Korean Institute of Science and Technology, Seoul, Korea. Optogenetic stimulation of parvalbumin-positve basal forebrain neurons entrains cortical gamma oscillations and promotes wakefulness.

July 13th, 2011 Neural Dynamic Laboratory (Dr. Kevin Spencer), Harvard Medical School-VA Boston Healthcare System, Jamaica Plain, MA, USA.

May 19th, 2011 Program Project Grand Internal Board Meeting, Beth Israel Deaconess Medical Center-Harvard Medical School, Boston, MA, USA.

Feb 28th, 2011 Department of Bioengineering, College of Medicine, Kyung Hee University, Seoul, Korea. Optogenetic probing of arousal circuit in basal forebrain.

Feb 25th, 2011 Neural Science Center, Korean Institute of Science and Technology, Seoul, Korea. Basal forebrain and adenosine in sleep regulation.

SELECTED ABSTRACTS

Kim T, McKenna JT, McNally JM, Winston S, Yang C, Chen L, Kocsis B, Deisseroth K, Strecker RE, McCarley RW, Brown RE, Basheer R. Stimulating the basal forebrain parvalbumin-positive neurons entrains cortical gamma oscillations. Soc Neurosci Abs 2012; 339.09

The 6th Quadrennial Congress of World Sleep Federation, 2011, Kyoto, Japan. Parvalbumin-positive basal forebrain neurons entrain cortical gamma oscillations and promotes wakefulness: an optogenetic study (poster & abstract symposium)

McNally JM, Kim T, Yanagawa Y, McCarley RW, Brown RE. Acute and chronic effects of ketamine on gamma oscillations in mouse prefrontal cortex. Soc Neurosci Abs 2011; 661.07

Kim T, McKenna JT, McNally JM, Winston S, Yang C, Chen L, Kocsis B, Deisseroth K, Strecker RE, McCarley RW, Brown RE, Basheer R. Optogenetic stimulation of parvalbumin-positive basal forebrain neurons entrains cortical gamma oscillations and promotes wakefulness. Soc Neurosci Abs 2011; 286.15

Kim T, McKenna JT, Brown RE, Winston S, Chen L, Strecker RE, Kocsis B, Deisseroth K, McCarley RW, Basheer R. Expression of channelrhodopsins in parvalbumin-positive basal forebrain neurons. *SLEEP* 2011; 34(Abstract suppl): A14 (0031).

Kim T, McCarley RW, Ramesh V, Kalinchuk AV, Messing RO, Choi DS, Dworak M, Mccarley RW, Basheer R. The role of type 1 equilibrative nucleoside transporter (ENT1) in sleep-wake regulation: A lesson from ENT1 knockout mice. Soc Neurosci Abs 2010; 500.13

Kim T, Ramesh V, Kalinchuk AV, Messing RO, Choi DS, Dworak M, Mccarley RW, Basheer R. Sleep-wake regulation in type 1 equilibrative nucleoside transporter knockout mice. *SLEEP* 2010; 33(Abstract suppl): A14(0030).

Kim T, Ramesh V, Kalinchuk AV, Messing RO, Choi DS, Dworak M, Mccarley RW, Basheer R. Sleep-wake pattern, adenosine, and homeostatic sleep response in type 1 equilibrative nucleoside

transporter (ENT1) knockout mice. Soc Neurosci Abs 2009; 376.14

Kim T, Ramesh V, Kalinchuk AV, Messing RO, Choi DS, Dworak M, Mccarley RW, Basheer R. Compensatory Changes in Nucleoside Transporters and Sleep-Wake Pattern in Type 1 Equilibrative Nucleoside Transporter Knockout Mice. *SLEEP* 2009; 32(Abstract suppl): A157(0476).

Kim T, LeeD. Clinical characteristics of restless legssyndrome in psychiatric inpatients taking antipsychotics. *SLEEP* 2007; 30(Abstract suppl): A281 (0820)

Kim T, Hwang BJ, Hwang SJ, Song JY, Kim JW. A validation study on Korean version of the Schedule for Deficit Syndrome (K-SDS). The International Journal of Neuropsychopharmacology. 2006; 9(S1): S138 (CINP abstract P01.140)

Kim T, Song JY, Shin YH, Cho AR, Kim JW, Lee HJ. Association of a polymorphism of glycogensynthase kinase-3 beta (GSK-3β) gene and schizophrenia in Korean population. The International Journal of Neuropsychopharmacology. 2002; 7(S2): S430 (CINP abstract: P02.478)

XII World Congress of Psychiatry, 2002, Yokohama, Japan. The association between Korean schizophrenics and catalase gene polymorphism (poster presentation).

PUBLICATIONS

Kim T, McKenna JT, McNally JM, Yang C, JH Choi, Chen L, Kocsis B, Deisseroth K, Strecker RE, Basheer R, Brown RE, McCarley RW. Basal Forebrain Parvalbumin Neurons Entrain Cortical Gamma Oscillations. Science (*submitted*).

Dworak M, McCarley RW, Kim T, Basheer R. Delta-oscillations induced by ketamine increase energy levels in sleep-wake related brain regions. Neuroscience 2011; 197:72-9

Dworak M, McCarley RW, Kim T, Kalinchuk AV, Basheer R. Replies to commentaries on ATP changes during sleep. Sleep 2011; 34:841-3.

Dworak M, Kim T, McCarley RW, Basheer R. Sleep, brain energy levels and food intake - Relationship between hypothalamic ATP concentrations, food intake and body weight during sleep-wake and sleep deprivation in rats. Somnologie 2011; DOI 10.1007/s11818-011-0524-y

Kim T, Kim HJ, Park JK, Kim JW, Chung JH. Association between polymorphisms of arachidonate 12-lipoxygenase (ALOX12) and schizophrenia in a Korean population. Behav Brain Funct. 2010;

6:44

Dworak M, McCarley RW, Kim T, Kalinchuk A, Basheer R. Sleep and Brain Energy Levels: ATP changes during sleep. J Neurosci 2010; 30:9007-16

Kim T, Park JK, Kim HJ, Chung JH, Kim JW. Association of histone deacetylase genes with schizophrenia in Korean population. Psychiat Res 2010;178:266-9

Lee SK, Kang SW, Kim SK, Kim HJ, Kim T, Park JK, Cho AR, Kim JW, Park HK, Kim YJ, Choe BK, Song JY. Association analysis between polymorphisms of NOTCH4 gene and schizophrenia in Korean population. Mol Cell Toxicol 2009; 5:160-164

Kim HJ, Kim HG, Kim MH, Kwack KB, Park JK, Kim T, Kim JW, Ban JY, Chung JH. Association between neuronal cell adhesion molecule (NRCAM) single nucleotide polymorphisms and schizophrenia in a Korean population. Psychiatry Clin Neurosci. 2009; 63:123-4

Ban JY, Kim SK, Kim HJ, Kim T, Park JK, Park HK, Kim JW. Association between interleukin 31 receptor A gene polymorphism and schizophrenia in Korean population. Korean Journal of Physiology and Pharmacology 2008; 12:205-209

Hwang BJ, Kim T*, Lee DS, Song JY, Kim JW, Choi BG, Hwang SJ. A validation study of Korean version of the schedule for the deficit syndrome (K-SDS). J Korean Soc Biol Ther Psy 2007;13:185-200 *Corresponding author

Kim T: Translation of "The Promise of Sleep (1999, William C. Dement and Christopher Vaughan, Dell Publishing, New York)" into Korean, Nexusbooks, Seoul, South Korea, Sep 2007

Kim T: Translation of "My Big Fat Greek Diet (2004, Nick Yphantedes, Thomas Nelson, Inc.)" into Korean, Nexusbooks, Seoul, South Korea, May 2006

Bahn GH, Kim T: Repetitive Behaviors in Children: Habits or Psychopathologic Behaviors? Kyunghee Medicine 2002;18:187-197

Song JY, Kim T, Yoon HS, Kim CS, Yeom TH: The Characteristics of Pain Coping Strategies in Patients with Chronic Pain by Using Korean Version-Coping Strategies Questionnaire (K-CSQ). Korean J Psychosomatic Medicine 2002;10:110-119

Bahn GH, Kim T: What Happened to Sim Chong in Oedipal Period? – An Aspect of Oedipal Complex in One-Parent Children. J Korean Psychoanalytic Society 2001;12:214-217

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