

Curriculum Vitae
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Date of Birth: May. 15, 1973
Place of Birth: Kanagawa, Japan

Education:

2006 Ph.D. Graduate School of Medicine, University of Tokyo
1998 M.D. Yokohama City University, School of Medicine

Brief business background:

2009-current **Associate Professor and Co-director**, Department of Neuropsychiatry, Graduate School of Medicine, University of Tokyo

2008 **Associate Professor**, Department of Neuropsychiatry, Graduate School of Medicine, University of Tokyo

2006-2008 **Assistant Professor**, Department of Neuropsychiatry, Graduate School of Medicine, University of Tokyo

2002-current **Visiting Researcher**, Laboratory for Molecular Dynamics of Mental Disorders, Brain Science Institute, RIKEN, Wako, Japan

2000- 2006 **Specialty Doctor**, Clinical and Research Fellow, Department of Neuropsychiatry, Graduate School of Medicine, University of Tokyo, Tokyo, Japan

1998-2000 **Resident**, Department of Neuropsychiatry, Tokyo Metropolitan Matsuzawa Hospital, Tokyo, Japan

Licensure and Certification:

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| 2008 | Board certified psychiatrist |
| 2003 | A designated psychiatrist |
| 1998 | Japanese Medical License Registration |

Hospital Appointments:

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| 2013-current | Chief outpatient physician in Department of Neuropsychiatry at University of Tokyo Hospital, Tokyo, Japan |
| 2007-2010 | Chief inpatient physician in Department of Neuropsychiatry at University of Tokyo Hospital, Tokyo, Japan |

Memberships, Offices and Committee Assignments in Professional Societies:

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| 2014- | Field editor of Psychiatry and Clinical Neuroscience |
| 2014- | Academic editor of PLOS ONE |
| 2013- | Member and Councilor of Japanese Society of Neuropsychopharmacology |
| 2010- | Member of Society of Biological Psychiatry |
| 2010- | Member of Society for Neuroscience |
| 2009- | Member of Japan Neuroscience Society |
| 2007- | Member and Councilor of Japanese Society of Anxiety Disorder |
| 2006- | Councilor of Japanese Society of Biological Psychiatry |
| 2004- | Editorial board member of Neuroscience Imaging, Nova -science publishers |
| 2000- | Member of Japanese Society of Biological Psychiatry |

Major Research Interest:

- Clinical trial initiated by medial investigator utilizing biomarker as outcome
Imaging genetics
Structural & functional neuroimaging in neuropsychiatry

BIBLIOGRAPHY

Major publications:

Original Papers (* corresponding author)

Aoki Y, Yahata N, Watanabe T, Takano Y, Kawakubo Y, Kuwabara H, Iwashiro N, Natsubori T,

Inoue H, Suga M, Takao H, Sasaki H, Gono W, Kunimatsu A, Kasai K, and Yamasue H*. Oxytocin improves behavioural and neural deficits in inferring others' social emotions in autism. **Brain** 137(Pt 11):3073-86. 2014.

Aoki Y, Watanabe T, Abe O, Kuwabara H, Yahata N, Takano Y, Iwashiro N, Natsubori T, Takao H, Kawakubo Y, Kasai K, and Yamasue H*. Oxytocin's neurochemical effects in the medial prefrontal cortex underlie recovery of task-specific brain activity in autism: a randomized controlled trial. **Molecular Psychiatry** 20(4), 447-453, 2015

Natsubori T, Hashimoto R, Yahata N, Inoue H, Takano Y, Iwashiro N, Koike S, Gono W, Sasaki H, Takao H, Abe O, Kasai K, and Yamasue H*. An fMRI study of visual lexical decision in patients with schizophrenia and clinical high-risk individuals. **Schizophrenia Research**, 157(1-3): 218-24, 2014.

Watanabe T, Abe O, Kuwabara H, Yahata N, Takano Y, Iwashiro N, Natsubori T, Aoki Y, Takao H, Kawakubo Y, Kamio Y, Kato N, Miyashita Y, Kasai K, and Yamasue H*. Mitigation of Sociocommunicational Deficits of Autism Through Oxytocin-Induced Recovery of Medial Prefrontal Activity: A Randomized Trial. **JAMA psychiatry**, 2014;71(2):166-75.

Natsubori T, Inoue H, Abe O, Takano Y, Iwashiro N, Aoki Y, Koike S, Yahata N, Katsura M, Gono W, Sasaki H, Takao H, Kasai K, and Yamasue H*. Reduced frontal Glutamate+Glutamine and N-acetylaspartate levels in patients with chronic schizophrenia but not in those at clinical-high risk for psychosis or with first-episode schizophrenia. **Schizophrenia Bulletin**, 40:1128-39, 2014.

Saito Y, Suga M, Tochigi M, Abe O, Yahata N, Kawakubo Y, Liu X, Kawamura Y, Sasaki T, Kasai K, and Yamasue H*. Neural correlate of autistic-like traits and a common allele in the oxytocin receptor gene. **Social Cognitive and Affective Neuroscience**. 9:1443-50, 2014.

Watanabe T, Yahata N, Kawakubo Y, Inoue H, Takano Y, Iwashiro N, Natsubori T, Takao H, Sasaki H, Gono W, Murakami M, Katsura M, Kunimatsu A, Abe O, Kasai K, Yamasue H*. Network structure underlying resolution of conflicting nonverbal and verbal social information. **Social Cognitive and Affective Neuroscience**. 9:767-75, 2014.

Iwashiro N, Yahata N, Kawamuro Y, Kasai K, and Yamasue H*: Aberrant interference of auditory negative words on attention in patients with schizophrenia. **PLOS ONE** 8(12):e83201, 2013.

Kuwabara H, Yamasue H*, Koike S, Inoue H, Kawakubo Y, Kuroda M, Takano Y, Iwashiro N, Natsubori T, Aoki Y, Kano Y, and Kasai K. Altered metabolites in the plasma of autism spectrum disorder: a capillary electrophoresis time-of-flight mass spectroscopy study. **PLOS ONE**, 2013, 8(9):e73814.

Aoki Y, Orikabe L, Takayanagi Y, Yahata N, Mozue Y, Sudo Y, Ishii T, Itokawa M, Suzuki M, Kurachi M, Okazaki Y, Kasai K, Yamasue H*: Volume reductions in frontopolar and left perisylvian cortices in methamphetamine induced psychosis. **Schizophrenia Research**, 2013;147(2-3):355-61

Aoki Y, Abe O, Yahata N, Kuwabara H, Natsubori T, Iwashiro N, Takano N, Inoue H, Kawakubo Y, Gono W, Sasaki H, Murakami M, Katsura M, Nippashi Y, Takao H, Kunimatsu A, Matsuzaki

H, Tsuchiya KJ, Kato N, Kasai K, **Yamasue H***. Absence of age-related prefrontal NAA change in adults with autism-spectrum disorders. **Translational Psychiatry**. 2: e178, 2012.

Watanabe T, Yahata N, Abe O, Kuwabara H, Inoue H, Takano Y, Iwashiro N, Natsubori T, Aoki Y, Takao H, Sasaki H, Gono W, Murakami M, Katsura M, Kunimatsu A, Kawakubo Y, Matsuzaki H, Tsuchiya KJ, Kato N, Kano Y, Miyashita Y, Kasai K, **Yamasue H***. Diminished medial prefrontal activity behind autistic social judgments of incongruent information. **PLoS One**. 7: e39561, 2012.

Yamasue H*, Suga M, Yahata N, Inoue H, Tochigi M, Abe O, Liu X, Kawamura Y, Rogers MA, Takei K, Yamada H, Aoki S, Sasaki T, Kasai K. Reply to "Neurogenetic effects of OXTR rs2254298 in the extended limbic system of healthy Caucasian adults". **Biological Psychiatry**. 70: 41-42, 2011.

Orikabe L, **Yamasue H***, Inoue H, T Yoichiro, Mozue Y, Sudo Y, Ishii T, Itokawa M, Suzuki M, Kurachi M, Okazaki Y, Kasai K. Reduced amygdala and hippocampal volumes in patients with methamphetamine psychosis. **Schizophrenia Research**. 132: 183-189, 2011.

Inoue H, **Yamasue H***, Tochigi M, Abe O, Liu X, Kawamura Y, Takei K, Suga M, Yamada H, Rogers MA, Aoki S, Sasaki T, Kasai K. Association between the oxytocin receptor gene (OXTR) and amygdalar volume in healthy adults. **Biological Psychiatry**. 68:1066-1072. 2010.

Yamasaki S, **Yamasue H***, Abe O, Suga M, Yamada H, Inoue H, Kuwabara H, Kawakubo Y, Yahata N, Aoki S, Kano Y, Kato N, Kasai K. Reduced gray matter volume of pars opercularis is associated with impaired social communication in high-functioning autism spectrum disorders. **Biological Psychiatry**. 68:1141-1147. 2010.

Yamasue H*, Abe O, Suga M, Yamada H, Rogers MA, Aoki S, Kato N, Kasai K. Sex-Linked neuroanatomical basis of human altruistic cooperativeness. **Cerebral Cortex**. 18: 2331-2340, 2008.

Yamasue H*, Kakiuchi C, Tochigi M, Inoue H, Suga M, Abe O, Yamada H, Sasaki T, Rogers MA, Aoki S, Kato T, Kasai K. Association between mitochondrial DNA 10398A>G polymorphism and the volume of amygdala. **Genes, Brain and Behaviour**. 7: 698-704, 2008.

*Kasai K, ***Yamasue H** (*Equal contribution), Gilbertson MW, Shenton ME, Rauch SL, Pitman RK. Evidence for acquired pregenual anterior cingulate gray matter loss from a twin study of combat-related posttraumatic stress disorder. **Biological Psychiatry**. 63: 550-556, 2008.

Yamasue H*, Abe O, Suga M, Yamada H, Inoue H, Tochigi M, Rogers M, Aoki S, Kato N, Kasai K. Gender-common and -specific neuroanatomical basis of human anxiety-related personality traits. **Cerebral Cortex**. 18: 46-52, 2008.

Yamasue H*, Abe O, Kasai K, Suga M, Iwanami A, Yamada H, Tochigi M, Ohtani T, Rogers MA, Sasaki T, Aoki S, Kato T, Kato N. Human brain structural change related to acute single exposure to sarin. **Annals of Neurology**. 61: 37-46, 2007.

Yamasue H*, Ishijima M, Abe O, Sasaki T, Yamada H, Suga M, Rogers M, Minowa I, Someya R, Kurita H, Aoki S, Kato N, Kasai K. Neuroanatomy in monozygotic twins with Asperger disorder discordant for comorbid depression. **Neurology**. 65: 491-492, 2005.

Yamasue H*, Yamada H, Yumoto M, Kamio S, Kudo N, Uetsuki M, Abe O, Fukuda R, Aoki S, Ohtomo K, Iwanami A, Kato N, Kasai K. Abnormal association between reduced magnetic mismatch field to speech sounds and smaller left planum temporale volume in schizophrenia. **Neuroimage**. 22: 720-727, 2004.

Yamasue H*, Iwanami A, Hirayasu Y, Yamada H, Abe O, Kuroki N, Fukuda R, Tsujii K, Aoki S, Ohtomo K, Kato N, Kasai K. Localized volume reduction in prefrontal, temporolimbic, and paralimbic regions in schizophrenia: an MRI parcellation study. **Psychiatry Research Neuroimaging**. 131: 195-207, 2004.

Yamasue H*, Fukui T, Fukuda R, Kasai K, Iwanami A, Kato N, Kato T. Drug-induced parkinsonism in relation to choline-containing compounds measured by ¹H-MR spectroscopy in putamen of chronically medicated patients with schizophrenia. **International Journal of Neuropsychopharmacology**. 6: 353-360, 2003.

Yamasue H*, Kasai K, Iwanami A, Ohtani T, Yamada H, Abe O, Kuroki N, Fukuda R, Tochigi M, Furukawa S, Sadamatsu M, Sasaki T, Aoki S, Ohtomo K, Asukai N, Kato N. Voxel-based analysis of MRI reveals anterior cingulate gray-matter volume reduction in posttraumatic stress disorder due to terrorism. **Proceedings of National Academy of Sciences USA**. 100: 9039-9043, 2003.

Yamasue H*, Fukui T, Fukuda R, Yamada H, Yamasaki S, Kuroki N, Abe O, Kasai K, Tsujii K, Iwanami A, Aoki S, Ohtomo K, Kato N, Kato T. ¹H-MR spectroscopy and gray matter volume of the anterior cingulate cortex in schizophrenia. **Neuroreport**. 13: 2133-2137, 2002.

Review Articles

Yamasue H*, Yee JR, Hurlemann R, Rilling JK, Chen FS, Meyer-Lindenberg A, Tost H. Integrative approaches utilizing oxytocin to enhance prosocial behavior: from animal and human social behavior to autistic social dysfunction. **The Journal of Neuroscience**. 32: 14109-14117, 2012.

Yamasue H*, Kuwabara H, Kawakubo Y, Kasai K. Oxytocin, sexually dimorphic features of the social brain, and autism. **Psychiatry and Clinical Neurosciences**. 63: 129-140, 2009.

Prizes:

Young Investigator Award, Japan Neuroscience Society, June 2013.

The first prize, Research group for schizophrenia 2011

Silver prize, 21th century COE program, University of Tokyo, 2004

Award for Young Investigator, Japanese Society of Biological Psychiatry 2003