［原著］

1. Ueda M, Hayashi Y.: PIP_3 regulates spinule formation in dendritic spines during structural long-term potentiation
   J. Neurosci. (in the press)

〔著書・総説〕

1. Sakaguchi M, Hayashi Y.: Catching the engram: strategies to examine the memory trace. Mol Brain. 2012 Sep 21;5:32. doi: 10.1186/1756-6606-5-32.
2. Saneyoshi T, Hayashi Y.: The Ca2+ and Rho GTPase signaling pathways underlying activity-dependent actin remodeling at dendritic spines. Cytoskeleton (Hoboken). 2012 Aug; 69(8):545-54. doi: 10.1002/cm.21037.
3. Hayashi Y, Okamoto K, Bosch M, Futai K.: Roles of neuronal activity-induced gene products in Hebbian and homeostatic synaptic plasticity, tagging, and capture. Adv Exp Med Biol. 2012;970:335-54. doi: 10.1007/978-3-7091-0932-8_15.

〔国際学会〕

1. Hayashi Y. Molecular mechanism of hippocampal learning and memory. 2012 International Brain Research Symposium, Daegu, Korea, 2012 /05/03
2. Hayashi Y. CaMKII serve as a gate of structural splasticity of dendritic spines. The 7th International Conference for Neurons and Brain Disease (Association for the Study of Neurons and Diseases), Montreal, Canada, 2012/06/27
3. Karam Kim, Gurpreet Lakhanpal, Akio Suzuki, Mariko Hayashi, Radhakrishnan Narayanan, Tomoki Matsuda, Takeharu Nagai, Kenichi Okamoto, Yasunori Hayashi, CaMKII serves as a gate of actin-mediated structural plasticity of dendritic spine. Gordon Research Conference Synaptic Transmission, Waterville Valley, USA, 2012 /07/29
4. Hayashi Y. Molecular mechanism of hippocampal learning and memory. 3rd LIN Symposium, Translating synaptic activity into neuronal plasticity, Tangermünde, Germany, 2012/08/27
5. Hayashi Y. Structural and molecular remodeling of single dendritic spines during long-term potentiation. Cold Spring Harbor Asia Conferences-Neural Circuit Basis of Behavior and its Disorders. Suzhou, China, 2012/11/06
6. Hayashi Y. CaMKII is a gating mechanism of activity-induced structural modification of hippocampal dendritic spines. Winter Conference on Brain Science, Breckenridge, Colorado, USA, 2013/01/28

〔国内学会〕

1. Masaaki Sato, Tanvir Islam, Takashi Takekawa, Hiroshi Yamakawa, Masako Kawano, Yoko Yamaguchi, Tomoki Fukai, Masamichi Ohkura, Junichi Nakai, Yasunori Hayashi A virtual navigation system for two-photon calcium imaging in mice. 第35回日本神経科学大会 名古屋 2012/09/20
2. Hayashi, Y.: CaMKII serve as a gate of activity-induced structural and functional modification of hippocampal dendritic spines 第 90 回日本生理学会大会 東京 2013/03/27

〔招待講演・セミナー〕

1. Hayashi, Y.: Molecular mechanism of hippocampal learning and memory. KAIST, Daejeon, Korea 2012/05/01
2. Hayashi, Y.: Molecular mechanism of hippocampal learning and memory. KIST, Seoul, Korea 2012/05/05
3. Hayashi, Y.: Molecular mechanism of hippocampal learning and memory. Dalhousie Univ, Halifax, Canada 2012/06/28

4. Hayashi, Y.: Molecular mechanism of hippocampal learning and memory. 埼玉大学 2012/08/07
5. Hayashi, Y.: Molecular mechanism of hippocampal learning and memory.京都大学 2013/01/21
6. Hayashi, Y.: Molecular mechanism of hippocampal learning and memory. University of Maryland, Baltimore, Maryland USA 2013/01/24

〔その他〕
学会主催

1. Cold Spring Harbor Asia Conferences-Neural Circuit Basis of Behavior and its Disorders. Suzhou, China, 2012/11/06