

林 康紀 (Yasunori Hayashi)

【原著】

1. Hosokawa T, Mitsushima D, Kaneko R, Hayashi Y. Stoichiometry and phosphoisotypes of hippocampal AMPA-type glutamate receptor phosphorylation. **Neuron**. 2015 Jan 7;85(1):60-7. doi: 10.1016/j.neuron.2014.11.026.
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3. Bosch M, Castro J, Saneyoshi T, Matsuno H, Sur M, Hayashi Y (2014) Structural and molecular remodeling of dendritic spine substructures during long-term potentiation. **Neuron** 82:444-459.
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【著書・総説】

1. Kim K, Hayashi Y. CaMKII: the Swiss army knife of synaptic plasticity. **J Physiol**. 2014 Nov 15;592(Pt 22):4807-8. doi: 10.1113/jphysiol.2014.284414.
2. Saneyoshi T, Hayashi Y. Synapse reorganization—a new partnership revealed. **EMBO J**. 2014 Jun 17;33(12):1292-4. doi: 10.1002/emboj.201488619.

【国際学会】

1. Hayashi Y. Role of cytoskeleton in hippocampal synaptic plasticity. Neuronal Circuit 2014 (Cold Spring Harbor Laboratory, USA, Apr 2014)
2. Hayashi Y. Quantitative view of AMPA receptor phosphorylation. 9th FENS Forum of Neuroscience (Milan, Italy, July 2014)
3. Takeo Saneyoshi, Hideji Murakoshi, Akio Suzuki, Nathan Hedrick, Ryohei Yasuda, and Yasunori Hayashi. Conversion point of temporal Ca²⁺ code into persistent biochemical code during LTP. Gordon Conference (USA, Nov, 2014)

4. T. Saneyoshi, H. Matsuno, N. Hedrick, H. Murakoshi, R. Yasuda, Y. Hayashi. Conversion of a transient Ca²⁺ signaling into a persistent structural modification of dendritic spines by CaMKII/TIAM complex formation during synaptic plasticity. SfN 2014 (Washington DC, USA, Nov, 2014)
5. Hayashi Y. Molecular mechanisms of hippocampal synaptic plasticity. 2014 Inter-Academy Seoul Science Forum (Seoul, Korea, Nov 2014)

【招待講演・セミナー】

1. Hayashi Y. Molecular mechanisms of hippocampal synaptic plasticity. OIST Developmental Neurobiology Course 2014 (Okinawa, Japan, July 2014)
2. Hayashi Y. Molecular mechanisms of learning and memory. 大学院講義（京都大学 Oct 2014）
3. Hayashi Y. Visualization of neuronal assembly in hippocampal CA1. 記憶回路研究会「個体内の記憶回路の同定とその機能解析による学習記憶制御基盤の統合的理解」講演（生理学研究所 Oct 2014）
4. Hayashi Y. Roles of cytoskeleton in hippocampal synaptic plasticity. (South China Normal University, China, Dec 2014)
5. Hayashi Y. Roles of cytoskeleton in hippocampal synaptic plasticity. (Weizmann Institute, Israel, Jan 2015)
6. Hayashi Y. Roles of cytoskeleton in hippocampal synaptic plasticity. (Tel-Aviv University, Jan 2015)
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8. Hayashi Y. Roles of cytoskeleton in hippocampal synaptic plasticity. (University of Cambridge, China, Feb 2015)
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10. Hayashi Y. Roles of cytoskeleton in hippocampal synaptic plasticity. (University of Coimbra, Coimbra, Portugal, Feb 2015)
11. Hayashi Y. Structural and molecular remodeling of dendritic spine during LTP. 第18回 アイセムス国際シンポジウム・第15回 国際細胞膜研究フォーラム（京都大学 Mar 2015）
12. Hayashi Y. Visualization of neuronal assembly in hippocampal CA1 during spatial memory task（富山大学医学部 Mar 2015）

13. Hayashi Y. Conversion mechanism of temporal Ca²⁺ code into persistent biochemical code during LTP (日本生理学会シンポジウム 神戸 Mar 2015)

【オーガナイザー】

1. Neural Circuit Basis of Behavior and its Disorders. Cold Spring Harbor Asia (Suzhou, China, May 2014)
2. 日本神経科学学会シンポジウム「超高解像度顕微鏡による脳の基本原理へのアプローチー現状と今後の展開ー」

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【特許出願・取得状況】

なし

【雑誌編集】

Molecular Cell: Editor (~2015)

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【受賞】

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