

生物薬学講座神経科学分野

氏名	所属	職名	取得学位	専門分野	主な論文・著作・業績
駒野 宏人	生物薬学講座 神経科学分野	教授	博士(薬学)	神経科学、生 化学	<p>①Zou, K., Maeda, T., Watanabe, A., Liu, J., Liu, S., Oba, R., Satoh, Y. I., Komano, H. & Michikawa, M. (2009) A β 42-to-A β 40- and angiotensin-converting activities in different domains of angiotensin-converting enzyme. J Biol Chem 284, 31914- 31920.</p> <p>②Tanabe, C., Maeda, T., Zou, K., Liu, J., Liu, S., Nakajima, T., & Komano, H. (2012) The ubiquitin ligase synoviolin up-regulates amyloid β production by targeting a negative regulator of γ-secretase, Rer1, for degradation. J Biol Chem 287, 44203-44211</p> <p>③Zou, K., Liu, J., Watanabe A., Liu, A., Hiraga, S., Matsumoto, Y., Miura1, Y., Tanabe, C., Maeda, T., Terayama, Y., Takahashi, S., Michikawa, M., Komano, H. (2013) A β 43 is the earliest depositing A β species in APP transgenic mouse brain and is converted to A β 41 by two active domains of ACE. Am J Pathol 182, 2322-2331.</p> <p>④Liu J., Liu S., Matsumoto Y., Murakami S., Sugakawa Y., Kami A., Tanabe C., Maeda T., Michikawa M., Komano H., Zou K. (2015) Angiotensin type 1a receptor deficiency decreases amyloid β-protein generation and ameliorates brain amyloid pathology. Sci Rep 12059, doi:10.1038.</p> <p>⑤Fujita, Y., Maeda, T., Kamaishi, K., Saito, R., Chiba, K., Shen, X., Zou, K., and Komano, H. (2017) Expression of MEGF10 in cholinergic and glutamatergic neurons. Neurosci Lett 653, 25-30.</p> <p>⑥ Maeda T., Fujita Y., Fujimura C., Zou K., Liu,J., Liu,S., Kikuchi,K, Shen X., Nakajima T., Komano H. (2018) An E3 ubiquitin ligase, synoviolin, is involved in the degradation of homocysteine-inducible endoplasmic reticulum protein. Biol.& Pharm. Bull. 41:915-919.</p> <p>⑦Shen X., Liu J., Fujita Y., Liu,S., Kikuchi K., Maeda T., Sera K., Michikawa M., Komano K., and Zou, K. (2019) Iron treatment inhibits A β 42 deposition in vivo and reduces A β 42/ A β 40 ratio. Biochem. Biophys. Res. Commun. 512:653-658.</p> <p>⑧Liu,S., Ando F., Fujita Y., Liu J., Maeda T., Shen X., Kikuchi K., Matsumoto A., Yokomori M., Tanabe-Fujimura C., Shimokata H., Michikawa M., Komano H., and Zou K.(2019) A clinical dose of angiotensin-converting enzyme (ACE) inhibitor and heterozygous ACE deletion exacerbate Alzheimer'sdisease pathology in mice J. Biol. Chem. 294:9760-9770.</p> <p>⑨. Kikuchi K., Fujita Y., Shen X., Junjun Liu J., Terakawa T., Nishikata D., Niibori S., Ito T., Ashidate K., Kikuchi T., Kikuchi Y., Maeda T., Zou K. and Komano H.(2020) Interaction between angiotensin receptor and β-adrenergic receptor regulates the production of amyloid β-protein. Biol.& Pharm. Bull.43:731-735 (2020)</p> <p>⑩Fujita, Y., Maeda, T., Sato, C., Sato, M., Hatakeyama, H., Ota, Y., Iwabuchi, N., Tatesawa, K., Nomura, A., Zou, K., and Komano, H. Engulfment of toxic amyloid-β protein in neurons and astrocytes mediated by MEGF10. Neuroscience. 443, 1-7 (2020).</p>

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藤田 融	生物薬学講座 神経科学分野	助教	博士（医学）	生物系薬学、 生化学	<p>①Fujita, Y., Nagaosa, K., Shiratsuchi, A., Nakanishi, Y.(2012) Role of NPxY motif in Draper-mediated apoptotic cell clearance in Drosophila. Drug Discov Ther 6, 291-297.</p> <p>②Tung, T.T., Nagaosa, K., Fujita, Y., Kita, A., Mori, H., Okada, R., Nonaka, S., Nakanishi, Y.(2013) Phosphatidylserine recognition and induction of apoptotic cell clearance by Drosophila engulfment receptor Draper. J Biochem 5,483-491.</p> <p>③Maeda, T., Inagaki, M., Fujita, Y., Kimoto, T., Tanabe-Fujimura, C., Zou, K., Liu, J., Liu, S., and Komano, H. (2016) ATP increases the migration of microglia across the brain endothelial cell monolayer. Biosci Rep, 36, e00318-e00326.</p> <p>④Maeda, T., Tanabe-Fujimura, C., Fujita, Y., Abe, C., Nanakida, Y., Zou, K., Liu, J., Liu, S., Nakajima, T., and Komano, H.(2016) NAD(P)H quinon oxidoreductase 1 inhibits the proteasomal degradation of homocysteine-induced endoplasmic reticulum protein. B B R C, 473, 1276-1280.</p> <p>⑤Fujita, Y., Maeda, T., Kamaishi, K., Saito, R., Chiba, K., Shen, X., Zou, K., and Komano, H. (2017) Expression of MEGF10 in cholinergic and glutamatergic neurons. Neurosci Lett 653, 25-30. ⑥ Maeda T., Fujita Y., Fujimura C., Zou K., Liu,J., Liu,S., Kikuchi,K, Shen X., Nakajima T., Komano H. (2018) An E3 ubiquitin ligase, synoviolin, is involved in the degradation of homocysteine-inducible endoplasmic reticulum protein. Biol.& Pharm. Bull. 41:915-919.</p> <p>⑦Shen X., Liu J., Fujita Y., Liu,S., Kikuchi K., Maeda T., Sera K., Michikawa M., Komano K., and Zou, K. (2019) Iron treatment inhibits Aβ42 deposition in vivo and reduces Aβ42/ Aβ40 ratio. Biochem. Biophys. Res. Commun. 512:653-658.</p> <p>⑧Liu,S., Ando F., Fujita Y., Liu J., Maeda T., Shen X., Kikuchi K., Matsumoto A., Yokomori M., Tanabe-Fujimura C., Shimokata H., Michikawa M., Komano H., and Zou K.(2019) A clinical dose of angiotensin-converting enzyme (ACE) inhibitor and heterozygous ACE deletion exacerbate Alzheimer'sdisease pathology in mice J. Biol. Chem. 294:9760-9770.</p> <p>⑨. Kikuchi K., Fujita Y., Shen X., Junjun Liu J., Terakawa T., Nishikata D., Niibori S., Ito T., Ashidate K., Kikuchi T., Kikuchi Y., Maeda T., Zou K. and Komano H.(2020) Interaction between angiotensin receptor and β-adrenergic receptor regulates the production of amyloid β-protein. Biol.& Pharm. Bull.43:731-735 (2020)</p> <p>⑩Fujita, Y., Maeda, T., Sato, C., Sato, M., Hatakeyama, H., Ota, Y., Iwabuchi, N., Tatesawa, K., Nomura, A., Zou, K., and Komano, H. Engulfment of toxic amyloid-β protein in neurons and astrocytes mediated by MEGF10. Neuroscience. 443, 1-7 (2020).</p>