

Fundamental Neuroscience

- 1) Release of neurotransmitters p197-224 (Kaempf and Maritzen, 2017; Takamori et al., 2006).
- 2) Optogenetics (Tischer and Weiner, 2014; Yizhar et al., 2011)
- 3) CRISPR genome editing (Dominguez et al., 2016; Shalem et al., 2015; Shalem et al., 2014)
- 4) Glial cells modulate neuronal activity p49-77 (Gundersen et al., 2015)
- 5) Brain energy metabolism p339-360. (Magistretti and Allaman, 2015; Saab et al., 2016; Volkenhoff et al., 2015)
- 6) Neural Induction p363-389 (Dessaud et al., 2008)
- 7) Neurogenesis and Migration p391-415 (Taverna et al., 2014)
- 8) Cellular determination p417-447 (Hartenstein and Wodarz, 2013)
- 9) Growth cones and axonal pathfinding p449-466 (Vitriol and Zheng, 2012)
- 10) Target selection, topographic maps and synapse formation p469-497 (Xu and Henkemeyer, 2012)
- 11) Neurotransmitter receptors p225-257 (Neitzel and Hepler, 2006)
- 12) Programmed cell death and neurotrophic factors p501-530 (Dekkers et al., 2013)
- 13) Synapse elimination p533-553 (Stephan et al., 2012)
- 14) Functional circuit analysis (Kohsaka et al., 2014; Ohyama et al., 2015)

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