| apoptosis + gos |   |
|-----------------|---|
| mīRNA -296      | glutamate-treated PC12 cell -> cell overactive (excitotoxicity) |
|                 | ROST apoptosis T  |
|                 | → Bc 2 proto-oncogene, either anti-or pro-apoptotic             |
|                 | → Bax , Caspase э   |
|                 | •   |
| mîrNA-9         | apoptosis 1   |
|                 | - Bc1-2111 (Bim) pro-apoptotic, bind to Bax                     |
| with the        | On their I dunantic phaticily A                                 |
| m(NNT-145       | apoptosis V synaptic plasticity 1                               |
|                 | -1 KLF5   |
|                 | → JNK signaling   |
|                 | •   |
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| inflammation |   |  |
|--------------|---|--|
| miPIUA-3473b | in€lammation↑                                     |  |
|              | → TNOS, COX-2, TNF-a.IL-6 pro-inflammatory factor |  |
|              | -1 5005% immunity regulator                       |  |
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## angiogenesis k neurogenesis review paper

## miRNA-126 pre-mir-126↑ → miR-126-3p/-5p↑ PTPN9¥ angiogenesis neurogenesis miRNA-874-3p

angiogenesis T neurogenesis T

→ AKT/ ERK signaling neuroprotective, angiogenesis k neurogenesis 1

- PTPNa ) inhibit

https://www.cell.com/molecular-therapy-family/nucleic-acids/fulltext/ S2162-2531(19)30032-0?

returnURL=https%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fp ii%2FS2162253119300320%3Fshowall%3Dtrue

MicroRNA-126 Regulates Angiogenesis and Neurogenesis in a Mouse Model of Focal Cerebral Ischemia

angiogenesis ( inflammation )

- → Wnt/B-cottenin pathway LXCL12 progess stroke
- TNF-a, IL-1. IL-6. IL-8 pro-inflammatory factor
- → IL-10 anti-inflammatory cytoline

| phagocytosis |  |
|--------------|--|
| miRNA-98     | Phagocytosis I  - PAFR  - INOS Pregulate |
|              | → PAFR                                   |
|              | -1 iNOS Pregulate                        |
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