**Sen YANG**

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**EDUCATION**

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| **8/2012-6/2016** | **South University of Science and Technology of China**, Guangdong, China |
|  | **Degree:** Bachelor of Science in Biology Science  Overall GPA: 3.52 /4.0; Major GPA: 3.79 /4.0 |

**STANDARDIZED TESTS**

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|  | **TOEFL:** 92 (Reading 28; Listening 23; Speaking 20; Writing 21)  **GRE:**  324 (Verbal 156; Quantitative 168); AW 3 |

**SKILLS**

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| **Lab Skills：** | Frozen section, HE staining, Immunohistochemistry/Immunostaining, Western blot, siRNA design, primer design, Real-Time PCR, cell transfection |
| **Computer Skills：** | Image J, Prism Graphpad, JAVA, Perl |

**ACADEMIC EXPERIENCE**

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| **02/2014-07/2016**  Aim:  Responsibilities: | **Evaluation of the protective effects of natural polyphenols against the toxic effect of Amyloid-β protein on cortical synapses**  **Advisor:** Shengtao HOU  **Institution:** Department of Biology in South University of Science and Technology of China  To test the protective effect from two small molecules on Alzheimer’s disease  Searched for potential effective small molecule by literature research  Conducted cell experiment and assisted to culture primary cortical neuron  To create a GFP positive neuronal model to detect change of dendritic spine  To set up a confocal based method to analyze morphological changes of synapse on cell culture  To evaluate the protective effect of two natural polypehnols on synaptic maintenance |

**INTERNSHIP**

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| **07/2015-08/2015**  Responsibilities:  Gains: | **Advisor:** Jun Xia  **Institution:**Dvision of Life Science in Hong Kong University of Science and Technology  Participated in a project –Whether Ubiquitination of Neuroligin by Itch can Regulate Synapse Formation  Counducted western blot to detect the change of neuroligin expression level  Conducted quantitative analysis of immunostaining result by Image J  Conducted ANOVA(analysis of variance) using Prism Graphpad |

**ACTIVITIES**

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| **04/2015** | **National Academic Conference of Chinese Society for Cell Biology 2015**  Volunteered to arrange meeting and hand out materials |
| **9/2015** | **Shenzhen International Biotech Summit 2015**  Listened to the report on frontier research results from specialists home and abroad, especially about Alzheimer’s disease |

**HONORS & AWARDS**

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| **04/2015**  **05/2010** | Initial Scholarship, Shenzhen Municipal Government  The 3rd Prize of National Biology Olympiad |