

**Curriculum Vitae**  
**Hong Lu, email: hong8hao@gmail.com**

## **Education**

2010 - 2014: Bachelor of Science, University of British Columbia. Major in Integrated Sciences (Genetics and Neuroscience), with Distinction.

2016 - 2023: Doctor of Philosophy in Neuroscience, University of British Columbia.

2023 - present: MD Undergraduate Program, University of British Columbia

## **Awards and Honors**

2023-2024:

- Chan and Peggy Gunn Doctoral Thesis Prize (\$2000)

2022-2023:

- Djavad Mowafaghian Centre for Brain Health Endowment Award – General Endowment (\$4000)

2021-2022:

- Djavad Mowafaghian Centre for Brain Health Endowment Award – Schizophrenia Endowment (\$5000)

2020-2021:

- Shireen and Edna Marcus Excellence Award (Brain Canada Foundation; \$4500)

2018-2021:

- Vanier Canada Graduate Scholarship (\$50,000/yr)

2017-2018:

- University of British Columbia Four Year Doctoral Fellowship (\$18,200/yr)
- Michael Smith Memorial Fellowship (\$14,600)
- David W. Strangway Fellowship (\$1,400)

2016 – 2017:

- NSERC Alexander Graham Bell Canada Graduate Scholarship-Masters' Award (\$17,500)
- UBC Faculty of Medicine Graduate Award (\$8,000)
- Vancouver Coastal Health Student Volunteer Award (\$500)

2012 - 2013:

- Recipient of the Canadian Stroke Network Summer Studentship Award (\$7,000)
- UBC Hospital Detwiller Award for Volunteering

2010 - 2012:

- Recipient of UBC Medicine Summer Student Research Program Award (\$2,800)
- UBC Hospital Ainsworth Award for Volunteering

- UBC President's Entrance Scholarship (\$2,500)
- BC Graduation Program Examinations Scholarship (\$1,000)

## **Publications**

### *Journal Articles:*

1. **Lu H**, Roddick KM, Ge Y, Zuo L, Zhang P et al. (2025). Targeted splicing approach for alleviation of a neurexin 1 haploinsufficiency model. ***Molecular Psychiatry***. (In press).
2. **Lu H**, Zuo, L, Roddick, KM, Zhang, P et al. (2023). Alternative Splicing and Heparan Sulfation Converge on Neurexin-1 to Control Glutamatergic Transmission and Autism-related Behaviors. **Cell Reports**. 42(7), 112714.
3. **Lu H** and Craig AM. (2021). Preview: GluD to the Edge: Synaptic Organizer Competition Shapes Dendrite Arbors. **Neuron**. 109(4): 566-568.
4. Zhang P, **Lu H**, Peixoto R, Pines M et al. (2018). Heparan Sulfate Organizes Neuronal Synapses Through Neurexin Partnerships. **Cell**. 174(6): 1450-1464.
5. Connor S, Ammendrup-Johnsen I, Chan A, Kishimoto Y, Murayama C, Kurihara N, Tada A, Ge Y, **Lu H** et al. (2016). Altered Cortical Dynamics and Cognitive Function upon Haploinsufficiency of the Autism-Linked Excitatory Synaptic Suppressor MDGA2. **Neuron**. 91(5): 1052-1068.
6. Wang R, Ying Z, Zhao J, Zhang Y, Wang R, **Lu H** et al. (2012). Lys(203) and Lys(382) are essential for the proteasomal degradation of BACE1. **Current Alzheimer Research**. 9(5): 606-615.
7. Sun X, Chen Z, Moniri M, **Lu H**, Dai L, Warnock G. (2012). Anticancer Gene-engineered MSC-mediated Cancer Cell Death: An Imaging Demonstration. **Scientific Research**. 4(10): 35-38.
8. Sun X, Chen Z, Moniri M, **Lu H**, Dai L, Warnock G. (2011). MSC(TRAIL)-mediated HepG2 Cell Death in Direct and Indirect Co-cultures. **Anticancer Research**. 31(11): 3705-3712.
9. Li D, Warnock G, Tu H, Ao Z, He Z, **Lu H**, Dai L. (2009). Review: Do immunotherapy and beta cell replacement play a synergistic role in the treatment of type 1 diabetes? **Life Sciences**. 85(15-16): 549-556.

### *Book Chapters:*

10. Li D, Warnock G, **Lu H**, Dai L. (2012). The Synergistic Effect of  $\beta$  Cell Replacement and Immunotherapy on the Treatment of Type 1 Diabetes. **Encyclopedia of Cell Biology Research**: 285-308.
11. Sun X, Zeng Z, Chen Z, Nong J, **Lu H**, Warnock G, Dai L. (2012). Mesenchymal Stem Cells and Cancer. **Mesenchymal Stem Cells**: 379-404.

### *Conference Publications:*

12. Moniri M, Rayat J, Dai D, Wang B, Barta I, **Lu H**, et al. (2011). Characterization of human

pancreas- derived MSCs and their post-xenotransplantation distribution in mice.  
**Xenotransplantation.** the International Xenotransplantation Associations Conference  
(304). Conference Date: 2011/9