

## CURRICULUM VITAE

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**Education:** 1992-1995, M.S. in Biochemistry, Case Western Reserve University, Cleveland, OH

1995-2000, Ph.D. in Cell Regulation, University of Texas Southwestern Medical Center, Dallas, TX

### Professional Experience:

2000-2003 Postdoctoral Research Fellow, University of Texas Southwestern Medical Center, Dallas, Texas

2004-2011 Assistant Professor, University of Texas Southwestern Medical Center, Dallas, Texas

2012-present Associate Professor, University of Texas Southwestern Medical Center, Dallas, Texas

### Publication:

Chen, Q., Denard, B., Lee, C., Han, S., Ye, J. S., and **Ye, J.** "Inverting the Topology of a Transmembrane Protein by Regulating the Translocation of the First Transmembrane Helix" *Mol. Cell* 63: 567-578. (2016)

Kim, H., Rodriguez-Navas, C., Kollipara, RK., Kapur, P., Pedrosa, I., Brugarolas, J., Kittler, R., and **Ye, J.** "Unsaturated fatty acids stimulate tumor growth through stabilization of  $\beta$ -catenin" *Cell Rep.* 13:495-503. (2015)

Denard, B., Pavia-Jimenez, A., Chen, W., Williams, NS., Naina, H., Collins, R., Brugarolas, J., and **Ye, J.** "Identification of CREB3L1 as a biomarker predicting doxorubicin treatment outcome" *PLoS One* 10: e0129233. (2015)

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**Ye, J.** "Proteasomes: Nrf1 to the rescue" *eLife* 3: 10.7554/eLife.e02062. (2014)

Kim, H. and **Ye, J.** "Cellular responses to excess fatty acids: focus on ubiquitin regulatory X domain-containing protein 8" *Curr. Opin. Lipidol.* 25: 118-124. (2014)

- Ye, J.** “Roles of regulated intramembrane proteolysis in virus infection and antiviral immunity” *Biochim, Biophys. Acta* 1828: 2926-2932. (2013)
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- Chen, Q., Denard, B., Huang, H., and **Ye, J.** “Epigenetic silencing of antiviral genes renders clones of Huh-7 cells permissive for hepatitis C virus replication” *J. Virol.* 87:659-665 (2013).
- Denard, B., Lee, C., and **Ye, J.** “Doxorubicin blocks proliferation of cancer cells through proteolytic activation of CREB3L1” *eLife* 1: 10.7554/eLife.00090 (2012)
- Chen, Z., and **Ye, J.** “Getting to grips with hepatitis” *eLife* 1: 10.7554/eLife.00301 (2012)
- Ye, J.** “Cellular responses to unsaturated fatty acids mediated by their sensor Ubxd8” *Front. Biol.* 7:397-403 (2012).
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- Ye, J.** and Debose-Boyd, R. “Regulation of cholesterol and fatty acid synthesis” *Cold Spring Harb. Perspect. Biol.*: 10.1101/cshperspect.a004754 (2011).
- Ye, J.** “Protease set Site-1 on lysosomes” *Science* 333: 50-51 (2011).
- Brown, M., **Ye, J.**, and Goldstein, J. “HDL miR-ed down by SREBP introns” *Science* 328: 1495-1496 (2010).
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- Ikeda, Y., Demartino, G., Brown, M., Lee, J., Goldstein, J., and **Ye, J.** “Regulated endoplasmic reticulum-associated degradation of a polytopic protein: p97 RECRUITS PROTEASOMES TO Insig-1 BEFORE EXTRACTION FROM MEMBRANES” *J. Biol. Chem.* 284: 34889-34900 (2009).
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Yao, H., and **Ye, J.** "Long chain acyl-coA synthetase 3-mediated phosphatidylcholine synthesis is required for assembly of very low density lipoproteins in human hepatoma Huh7 cells" *J. Biol. Chem.* 283: 849-854 (2008).

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Lee, J., Song, B., Debose-Boyd, R., and **Ye, J.** "Sterol-regulated Degradation of Insig-1 Mediated by the Membrane-bound Ubiquitin Ligase gp78" *J. Biol. Chem.* 281: 39308-39315 (2006).

Gong, Y., Lee, J., Brown, M., Goldstein, J., and **Ye, J.** "Juxtamembranous aspartic acid in Insig-1 and Insig-2 is required for cholesterol homeostasis" *Proc. Natl. Acad. Sci. USA* 103: 6154-6159 (2006).

Lee, J., Gong, Y., Zhang, X., and **Ye, J.** "Proteasomal Degradation of Ubiquitinated Insig Proteins Is Determined by Serine Residues Flanking Ubiquitinated Lysines" *Proc. Natl. Acad. Sci. USA* 103: 4958-4963 (2006).

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Lee, J. and **Ye, J.** "Proteolytic activation of sterol regulatory element-binding protein induced by cellular stress through depletion of Insig-1" *J. Biol. Chem.* 279: 45257-45265 (2004).

## **Award**

AHA-0630029N      Ye (PI)      01/01/2006 – 12/31/2009  
American Heart Association National Scientific Development Grant  
Characterization of Sterol-Regulated Degradation of Insig-1 Protein  
Role: PI

1R01 AI 090119      Ye (PI)                      07/01/2010 – 06/30/2015  
National Institute of Health (NIAID)  
Regulated Intramembrane Proteolysis of CREB3L1 in Innate Antiviral Response  
Role: PI

9R01 GM116106      Ye (PI)                      07/01/2015 – 06/30/2019  
National Institute of Health (NIGMS)  
Proteolytic activation of CREB3L1 in treating cancers and tissue fibrosis  
Role: PI

I-1832                      Ye (PI)                      06/01/2013 – 05/31/2016  
Welch Foundation  
Saturated Fatty Acid-Induced Lipotoxicity  
Role: PI

I-1832                      Ye (PI)                      06/01/2016 -- 05/31/2019  
Welch Foundation  
Biochemical characterization of the fatty acid-UAS domain interaction  
Role: PI