

## Baojin Ding M.D., PH.D.

Assistant Professor  
Department of Biology  
University of Louisiana at Lafayette  
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### Education

**2010** Ph.D. in Biochemistry and Molecular Biology of Veterinary Medical Sciences,  
Louisiana State University, School of Veterinary Medicine, Baton Rouge, LA

**2004** M.S. of Medicine in Clinical Laboratory  
Wenzhou Medical College, Wenzhou, Zhejiang, P. R. China

**2001** Bachelor Degree of Medicine (**M.D. equivalent**)  
Medical College of Qingdao University, Qingdao, Shandong, P. R. China

### Research Support

**Lahaye Faculty Development Grant** 2019 Role: PI

This fund is intended to support undergraduate researchers working on biomedical studies.

**Faculty Start-up Package** 2018-2021 Role: PI

Title: New laboratory set up.

Source: University of Louisiana at Lafayette

Overall goal: To establish a new laboratory and generate preliminary data to prepare a national competitive proposal, such as NIH R-award.

**NIH/NIA P30-12300-21** 2017 -2018 Role: PI

The Friends of the Alzheimer's Disease Center and NIH Alzheimer's Disease Center

**Title: Nucleocytoplasmic Transport Defect in Alzheimer's Disease**

The major goal of this project is to understand how nucleocytoplasmic transport defect contributes to Alzheimer's disease (AD) by using mouse primary neurons, mammalian cell lines and directly reprogrammed neurons (iNs) from fibroblasts of AD patients.

### Research and Professional Experience

**2018- Present Assistant Professor**

Department of Biology, University of Louisiana at Lafayette, Lafayette, LA 70503

Research area: Cell and Molecular Biology, Neuroscience and Neurological Diseases

**2016- 2018 Assistant instructor**

Department of Molecular Biology, Center for Regenerative Science and Medicine,  
UT Southwestern Medical Center, Dallas, TX

Research interests: Nucleocytoplasmic transport in neural development and neurological disorders.

#### **2010-2016 Postdoctoral Fellow**

Departments of Physiology and Neurobiology, University of Massachusetts Medical School, Worcester, MA

Research topic: *Molecular Mechanisms of Gene Expression in Neurodevelopment and its Linkage to Neurodevelopmental Disorders.*

- Identified a novel nuclear factor One (NFI)-regulated temporal switch program linked to dendrite formation in developing neurons (*Ding et al. J Neurosci. 2013*).
- Identified factors and pathways that regulate NFI switch program, such as depolarization, Transcription factor Etv1, Brain-derived neurotrophic factor (BDNF), CaN (Calcineurin)/NFAT (nuclear factor of activated T-cells) signaling pathway. (*Ding et al. J Neurosci. 2013; Ding et al. Mol Biol Cell. 2016*).
- Identified 212 temporal genes that were regulated by NFI switch program, including 134 of NFI up-regulated genes and 62 NFI down-regulated genes (data sets have been submitted to GEO: <http://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSE42018>). Some genes are particularly associated with neurodevelopmental disorders, such as Autism Spectrum Disorders (ASD) (*Ding et al. J Neurosci. 2013; Ding. Invited Review 2015*).
- Developed two techniques for Neuronal development research, one is *Lentiviral Vector Production, Titration, and Transduction of Primary Neurons*, the other is *Chromatin Immunoprecipitation Assay of Brain Tissue Using Percoll Gradient-Purified Nuclei*. (*Ding and Kilpatrick. Methods Mol Biol. 2013 Ch12 and 19*).
- Demonstrated that the novel RNA exporting pathway (Nuclear Envelope budding) is conserved from *Drosophila* to mammals and the disruption of NE-budding pathway is implicated in human neurological disorders, such as HGPS (*Ding et al, in submission*).

#### **2005 —2010 Graduate Research Assistant**

Department of Comparative Biomedical Science, School of Veterinary Medicine, Louisiana State University, Baton Rouge, LA

Research topic: *The Molecular Mechanisms of Transcription Coupled DNA Repair in Eukaryotic cells.*

- Identified transcription elongation factors Spt4 and Spt5 (human DSIF complex) play the suppression role in transcription coupled DNA repair (TCR). (*Ding et al. J Biol Chem. 2010*)
- Identified the transcription factor Tfb5, the mutations in which cause genetic disorder Trichothiodystrophy (TTD), is necessary for global genomic NER, but is not absolutely required for TCR. (*Ding et al. DNA Repair (Amst) 2007*).
- Examined the molecular mechanisms of other DNA factors (Rad26, Rpb9, Rpb4, Rad7, Rad16 etc.) in nucleotide excision repair (NER). (Baojin Ding's Ph.D. Dissertation: [http://etd.lsu.edu/docs/available/etd-04072010-012548/unrestricted/Ding\\_diss.pdf](http://etd.lsu.edu/docs/available/etd-04072010-012548/unrestricted/Ding_diss.pdf))

#### **2004 —2005 Research Associate**

Department of Biological Sciences, Louisiana State University, Baton Rouge, LA

Research topic: *The Biogenesis and Functions of Iron-Sulfur Cluster proteins.*

- Identified protein IscA is a novel iron binding protein that can provide iron for the iron-sulfur assembly. (*Ding et al. J Biol Chem. 2004*)

-Identified L-cysteine is able to mobilize the iron center in IscA and make the iron available for the iron-sulfur cluster assembly. (Ding et al. *Biochem J.* 2005).

## **2002 —2004      Research Assistant**

The Institute of Cellular and Molecular Medicine, Wenzhou Medical College, Wenzhou, Zhejiang, P. R. China

Research topic: *Isolation, Purification and Screening of Effective Components from Natural Products (Chinese Herbs).*

- Developed a new technique to isolate and purify polysaccharides from natural products (e.g. fungi). (Ding et al. *J Wenzhou Medical College.* 2004; Ding et al. *Chin J Clin Pharmacol Ther.* 2004)

-Purified and characterized polysaccharides from *P. tenuipes* (fungi herbs) and identified the major component with the immuno-stimulatory activity. (Ding et al. *Chin J Biocheml Pharm.*2004; Ding et al. *Chin Pharm J.* 2004)

## **2002 —2003      Teaching Assistant**

Wenzhou Medical College, Wenzhou, Zhejiang, P. R. China

Course: *Molecular Biology*

## **2000 —2001      Intern Doctor**

Affiliated Hospital of Medical College of Qingdao University, Qingdao, P. R. China

## **Publications**

1. Selvam K, **Ding B**, Sharma R and Li S. (2019). Evidence that moderate eviction of Spt5 and promotion of error-free transcriptional bypass by Rad26 facilitates transcription coupled repair. **J Mol Biol.** 2019 Feb 18. doi: 10.1016
2. **Ding B**, Dobner PR, Mullikin-Kilpatrick D, Wang W, Zhu H, Chow CW, Gronostajski RM and Kilpatrick DL. (2018). BDNF Activates an NFI-Dependent Neurodevelopmental Timing Program By Sequestering NFATc4. **Mol Biol Cell.** 2018 Apr 15; 29(8):975-987
3. **Ding B.**, Mirza A,M., Alshley J. Budnik V. and Munson M. Nuclear Export Through Nuclear Envelope Remodeling in *Saccharomyces cerevisiae*. (bioRxiv 224055; doi: <https://doi.org/10.1101/224055>) (Preprint was posted on November 22, 2017)
4. Leto K, Arancillo M, Becker EB, Buffo A, Chiang C, **Ding B**, Dobyns WB, Dusart I, Haldipur P, Hatten ME, Hoshino M, Joyner AL, Kano M, Kilpatrick DL, Koibuchi N, Marino S, Martinez S, Millen KJ, Millner TO, Miyata T, Parmigiani E, Schilling K, Sekerková G, Sillitoe RV, Sotelo C, Uesaka N, Wefers A, Wingate RJ, Hawkes R. (2016) Consensus Paper: Cerebellar Development. **Cerebellum.** Dec;15(6): 789-828.
5. Li Y, Hassinger L, Thomson T, **Ding B**, Ashley J, Hassinger W and Budnik V. (2016). Lamin Mutations Accelerate Aging via Defective Export of Mitochondrial mRNAs through Nuclear Envelope Budding. **Curr Biol.** 2016 Aug 8;26(15):2052-9
6. **Ding B**, Cave HW, Dobner PR, Kilpatrick DM, Bartsokis M, Zhu H, Chow CW, Gronostajski RM and Kilpatrick DL. (2016) Reciprocal Auto-Regulation by NFI Occupancy and ETV1 Promotes the Developmental Expression of Dendrite-Synapse Genes in Cerebellar Granule Neurons. **Mol Biol Cell.** 2016 May 1;27(9):1488-99
7. **Ding B.** (2015) How does a 1.5-Fold Increase in Gene Dosage in Chromosome 21 Cause the Pleiotropic Phenotypes in Down Syndrome? **J Down Syndr Chr Abnorm 1:** 1: e101. doi:10.4172/jdsca.1000e101 (Editorial)

8. **Ding B.** (2015) How to Assist Parents of Children with Autism Spectrum Disorders in Rural Area? **J Neurosci Rural Pract.** 6 (4), 465-6 (Editorial)
9. Packard M, Jokhi V, **Ding B** and Budnik V. (2015) Nucleus to Synapse Nesprin Railroad Tracks Direct Synapse Maturation through RNA localization. **Neuron.** 86(4):1015-28).
10. **Ding B.** (2015) Gene Expression in Maturing Neurons: Regulatory Mechanisms and Related Neurodevelopmental Disorders. **ACTA PHYSIOLOGICA SINICA (Sheng Li Xue Bao).** 67(2):113-33. (Invited Review)
11. **Ding B,** Wang W, Selvakumar T, Xi HS, Zhu H, Chow CW, Horton JD, Gronostajski RM and Kilpatrick DL. (2013) Temporal Regulation of Nuclear Factor One Occupancy by Calcineurin/NFAT Governs a Voltage-Sensitive Developmental Switch in Late Maturing Neurons. **J Neurosci.** 33(7):2860-2872.
12. **Ding B** and Kilpatrick DL. (2013) Lentiviral Vector Production, Titration, and Transduction of Primary Neurons. **Methods Mol Biol.** 1018:119-31. Chapter 12.
13. **Ding B** and Kilpatrick DL. Kilpatrick (2013). Chromatin Immunoprecipitation Assay of Brain Tissue Using Percoll Gradient-Purified Nuclei. **Methods Mol Biol.** 1018:199-209. Chapter 19.
14. **Ding B,** Lejeune D and Li S. (2010) The C-terminal Repeat Domain of Spt5 Plays an Important Role in Suppression of Rad26-independent Transcription Coupled Repair. **J Biol Chem.** 285 (8): 5317-5326.
15. Chen X, **Ding B,** Lejeune D, Ruggiero C and Li S. (2009) Sumoylation of Rpb1 in Response to UV Radiation or Impairment of Transcription Elongation in Yeast. **PLoS One.** 4 (4) e5267.
16. Lejeune D, Chen X, Ruggiero C, Berryhill S, **Ding B** and Li S. (2009) Yeast Elc1 Plays an Important Role in Global Genomic Repair but not in Transcription Coupled Repair. **DNA repair (Amst).** 8(1): 40-50.
17. **Ding B,** Ruggiero C, Chen X and Li S. (2007) Tfb5 is Partially Dispensable for Rad26 Mediated Transcription Coupled Nucleotide Excision Repair in Yeast. **DNA Repair (Amst).** 6 (11): 1661- 1669.
18. Li S, **Ding B,** LeJeune D, Ruggiero C, Chen X and Smerdon MJ. (2007) The Roles of Rad16 and Rad26 in Repairing Repressed and Actively Transcribed Genes in Yeast. **DNA Repair (Amst).** 6 (11): 1596-1606.
19. Li S, **Ding B,** Chen R, Ruggiero C and Chen X. (2006) Evidence that Transcription Elongation Function of Rpb9 is Involved in Transcription Coupled DNA Repair in *Saccharomyces cerevisiae*. **Mol Cell Biol.** 26 (24): 9430-9441.
20. Li S, Chen X, Ruggiero C, **Ding B** and Smerdon M. (2006) Modulation of Rad26 and Rpb9 Mediated DNA Repair by Different Promoter Elements. **J. Biol. Chem.** 281(48): 36643-36651.
21. **Ding B,** Smith ES, and Ding H. (2005) Mobilization of Iron Center in IscA for Iron-sulfur Cluster Assembly in IscU. **Biochem. J.** 389 (Pt 3):797-802.
22. Ding H, Clark RJ and **Ding B.** (2004) IscA Mediates Iron Delivery for Assembly of Iron-Sulfur Clusters in IscU under the Limited Accessible Free Iron Conditions. **J. Biol. Chem.** 279 (36): 37499 – 37504.
23. **Ding B,** Jin L and Lv J. (2004) Biological Activity Research Progresses of Polysaccharides. **Chin Pharm J.** 39 (8):561-564.
24. **Ding B,** Jin L and Lv J. (2004) The Effect of Polysaccharides from *Paecilomyces tenuipes* on TNF- $\alpha$  of PBMC. **Chinese Journal of Biochemical Pharmaceutics.** 25 (5): 268-270. (review)

25. **Ding B**, Jin L and Lv J. (2004) Determination of Polysaccharides in *Paecilomyces tenuipes* by Spectrophotometry of Phenylhydrate-sulfuric acid. **Journal of Wenzhou Medical College**. 34(1): 15-17.
26. **Ding B** and Qiu X. (2004) The Immunoregulation of Fungi from *Paecilomyces*. **Chin J Clin Pharmacol Ther**. 9(1):17-20. (review)
27. Qiu X and **Ding B**. (2003) Research Progress and Application Prospect of Nitrogen Monoxide Donor Medicine. **Chin J Clin Pharmacol Ther**. 8(1): 118-120. (review)

## **Teaching**

- **Spring 2019**

BIOL-495, Neurophysiology, 3 Credits Lecture

BIOL-595, Neurophysiology, 3 Credits Lecture

*This course aims to understand neurophysiological activities at cellular and molecular levels and their linkage to human neurological diseases.*

BIOL-410, Section 030, 1-6 Credit(s) Individual Project

*Cellular and Molecular Neuroscience - from Basic Knowledge to Advanced Techniques*

- **Fall 2018**

BIOL-457(G), Advanced Cell Biology, CRN 224133, 3 Credits Lecture

*This course aims to examine life at its most fundamental level, including mechanisms and pathways responsible for membrane transport, metabolism, gene expression, protein synthesis and secretion, membrane trafficking, cytoskeleton dynamics, and cell signaling.*

BIOL-458(G), Advanced Cell Biology Lab, 2 Credits, 4 Hours Lab

*This class is intended to immerse students in the process of performing scientific experiments, through which students will master some experimental skills, acquire the capabilities for data analysis and result interpretation. The model system will be cultured mammalian cells and/or fixed cells on slides.*

## **Advisor**

### **2019 Undergraduate Advisees**

Vice, Taylor L C00273679

Wetekamm, Olivia J C002833303

Coutee, Casey A. C00289089

## **Research Supervision Experience**

- **2019**

Trainee: Bennett Garbarino, class 2021, scholarship undergraduate student, Biology major

Matthew Authement, class 2022, scholarship undergraduate student, Biology major.

Casey A. Coutee, class 2019, undergraduate student.

Project: *Cellular and Molecular Neuroscience - from Basic Knowledge to Advanced Techniques*

- **2018**

Trainee: Bennett Garbarino, class 2021, scholarship undergraduate student, Biology major

Matthew Authement, class 2022, scholarship undergraduate student, Biology major.

Project: *Cellular and Molecular Neuroscience - from Basic Knowledge to Advanced Techniques*

- **2017**  
Trainee: Joy Aniede (STARS Summer Research Program)  
Project: *Nucleocytoplasmic Transport in Aging and Neurodegenerative Disorders.*
- **2016**  
Trainee: Ms. Adrienne Lemieux (Worcester State University)  
Project: *Mislocalization of FUS in Amyotrophic Lateral Sclerosis (ALS).*
- **2015**  
Trainee: Ms. Alexandra D'Ordine (Worcester Polytechnic Institute, Class of 2017)  
Project: *Dissecting of mRNA exporting mechanisms, Nuclear Pore Complex (NPC)-dependent and Independent Pathways.*
- **2013**  
Trainee: Ms. Emily Vancor (NIH, Massachusetts Institute of Technology 2014)  
Project: *Regulation of a Nuclear Factor One Switch Program by Rapamycin in Maturing Cerebellar Granular Neurons.*  
Ms. Emily Vancor obtained the second place of the summer research presentation. This research experience made her stand out from many applicants and got acceptance by Yale School of Medicine in 2014.
- **2012**  
Trainee: Ms. Marina Bartzokis and Mr. Salvador Esparza  
(NIH, Massachusetts Institute of Technology 2014)  
Project: *Regulation of a Nuclear Factor One Switch Program by Etv1 in Maturing Cerebellar Granular Neurons.*  
My student was co-authored in publication:  
**Ding B**, Cave HW, Dobner PR, Kilpatrick DM, **Bartsokis M**, Zhu H, Chow CW, Gronostajski RM and Kilpatrick DL. (2016) Reciprocal Auto-Regulation by NFI Occupancy and ETV1 Promotes the Developmental Expression of Dendrite-Synapse Genes in Cerebellar Granule Neurons. **Mol Biol Cell.** 2016 May 1;27(9):1488-99
- **2011**  
Trainees: Mr. Robert Lumley, and Ms. Amy Corron  
(The 2011 Summer Research Fellowship Program at UMass Medical School)  
Project: *Depolarization Regulates a Nuclear Factor One Switch Program in Developing Neurons.*
- **2009**  
Trainee: Ms. Tatenda Mujeni (HHMI, Bennett College For Women)  
Project: *The Measurement of Rad53 Phosphorylation in Different Rad2 Mutants by the use of Western Blot.*
- **2004-2005**  
Research Associate and Laboratory Instructor  
Trainees: Undergraduates and Graduates  
*Molecular cloning, PCR, gel electrophoresis, Western blot, recombinant protein expression, protein purification by FPLC etc.*
- **2002-2003**  
Teaching Assistant  
Laboratory Course of Molecular Biology for Graduate.

## **Honors/Awards and**

- Alzheimer's Disease Research Award from Friends of the Alzheimer's Disease Center (2017)
- American Association of Anatomists (AAA ) Travel Award (2013, 2014)
- American Society for Microbiology Postdoctoral Research Fellowship Program (2010)
- Guang Hua Scholarship (2002, 2003)
- Undergraduate Scholarship (1997, 1998, 2000)
- Excellent Student Award (1997, 1999)

## **Professional Services**

- **Associate Editor**  
*Frontiers in Molecular Neuroscience* (2018-)
- **Editorial Board and Review Editor**  
*Austin Neurology* (2016-); *Journal of Autism & Related Disabilities* (2016-); *Journal of Down Syndrome & Chromosome Abnormalities* (2015-); *Frontiers in Molecular Neuroscience* (2013-)
- Ad Hoc Reviewer:** *European Research Council (ERC) grant review; Neurobiology of Disease; Scientific Reports; Journal of Cellular Biochemistry; Journal of Cellular and Molecular Medicine; Frontiers in Molecular Neuroscience, Analytica Chimica Acta, Frontiers in Computational Neuroscience, Journal of Neurosciences in Rural Practice, etc.*
- Member of American Society for Cell Biology (ASCB) (2017-)
- Member of Society for Neuroscience (2014-)
- Member of American Association of Anatomists (AAA) (2012-)
- Member of American Association for the Advancement of Science (AAAS) (2009-)
- Member of American Society for Microbiology (ASM) (2009-2012)
- Member of Environmental Mutagenesis Society (EMS) (2009-2010)

## **Poster Presentations and Abstracts in Scientific Meetings**

1. K Selvam, **B Ding**, R Sharma and S Li. *Promotion of error-free transcriptional bypass of DNA lesions is essential for Rad26 to facilitate transcription coupled DNA repair.* ENVIRONMENTAL AND MOLECULAR MUTAGENESIS 59, 71-71, 2018
2. **Ding, B.**, Dobner PR. and Kilpatrick DL. *Nuclear Factor One (NFI)-Dependent Developmental Program Directs the Timing of Gene Expression in Maturing Neurons.* The American Society for Cell Biology (ASCB) Annual Meeting. December 2-6, 2017. Philadelphia, Pennsylvania.
3. **Ding B.**, Mirza A.M., Budnik V. and Munson M. *An alternative nuclear export pathway in Saccharomyces cerevisiae.* The American Society for Cell Biology (ASCB) Annual Meeting. December 3-7, 2016. San Francisco, California.
4. **Ding, B.**, Cave J. and Kilpatrick DL. *Auto-Regulatory Interactions Between NFI Occupancy and ETV1 Direct the Timing of Gene Expression in Late Maturing Neurons.* American Association of Anatomists (AAA) Annual Meeting. April 26-30, 2014. San Diego, California.  
**(Also accepted as oral presentation)**
5. **Ding, B.**, and Kilpatrick DL. *Nuclear factor one controls a voltage-sensitive developmental switch required for late neuronal maturation.* American Association of Anatomists (AAA) Annual Meeting. April

20-24, 2013. Boston, Massachusetts.

**(Postdoctoral Poster Presentation Award Finalist)**

6. **Ding, B.**, LeJeune, D and Li, S. *Phosphorylation of Yeast Spt5 C-terminal Repeat by Bur1 Kinase Is Involved in the Suppression of Transcription Coupled DNA Repair*. Environmental Mutagen Society 40<sup>th</sup> Annual Meeting. October 24-28, 2009. St. Louis, Missouri.
7. **Ding, B.**, Chen X., Ruggiero, C., LeJeune, D. and Li, S. *Spt4 and Spt5 cooperatively suppress transcription coupled DNA repair through binding to RNA polymerase II in the absence of Rad26*. ASBMB (American Society for Biochemistry and Molecular Biology) annual meeting. April 18-22, 2009, New Orleans, Louisiana.
8. LeJeune, D., **Ding, B.** and Li, S. *PAF and Spt4 act in the same pathway to suppress transcription coupled repair in yeast*. DNA Repair and Mutagenesis: From Molecular Structure to Human Disease. May 30-June 5, 2009. Whistler, Canada.
9. Chen, X., **Ding, B.**, LeJeune, D., Ruggiero, C. and Li, S. *Sumoylation of Rpb1 restrains activation of DNA damage checkpoint by RNA polymerase II*. DNA Repair and Mutagenesis: From Molecular Structure to Human Disease. May 30-June 5, 2009. Whistler, Canada.
10. LeJeune, D., Chen X., Ruggiero, C., Berryhill, S., **Ding, B.** and Li, S. *Yeast Etc1 plays an important role in global genomic repair but not in transcription coupled repair*. ASBMB (American Society for Biochemistry and Molecular Biology) annual meeting. April 18-22, 2009, New Orleans, Louisiana.
11. Li, S., Chen X., **Ding, B.** and LeJeune, D. *Rpb1 sumoylation in response to UV radiation or transcription impairment in yeast*. ASBMB (American Society for Biochemistry and Molecular Biology) annual meeting. April 18-22, 2009, New Orleans, Louisiana.
12. **Ding, B.**, Jin, L. and Lv, J. *The biological function of Polysaccharide in health care*. Clinical Nutriology Conference of Zhejiang Province. Nov. 2003, Shaoxing, P. R. China.

**Oral presentations**

1. May 7, 2018. *Spatiotemporal Regulation of Gene Expression*. Department of Biology, University of Louisiana at Lafayette, Lafayette, LA.
2. April 25, 2016. *Spatiotemporal Regulation of Gene Expression in Neurodevelopment and its Linkage to Neurological Diseases*. Department of Molecular Biology, UT Southwestern Medical Center, Dallas, TX (Host: Dr. Chun-Li Zhang)
3. January 4, 2016. *Nuclear Envelope Budding Pathway: from Drosophila to Mammals*. Department of Neurobiology, UMass Medical School, Worcester MA
4. April 26-30, 2014. *Auto-Regulatory Interactions Between NFI Occupancy and ETV1 Direct the Timing of Gene Expression in Late Maturing Neurons*. Experimental Biology Annual Meeting. San Diego, CA.
5. August 7, 2013. Department of Neurology, University of Massachusetts Medical School. Worcester, Massachusetts (Host: Dr. Fen-Biao Gao)
6. July 30, 2013. Department of Microbiology & Immunobiology, New England Primate Research Center, Harvard Medical School. (Host: Dr. Min Dong)
7. July 17, 2013. Department of Neurobiology, University of Massachusetts Medical School. Worcester, Massachusetts (Host: Dr. Vivian Budnik)
8. July 5, 2013. Gene Therapy Center, University of Massachusetts Medical School. Worcester, Massachusetts (Host: Dr. Guangping Gao)



9. January 25, 2013. *Regulators of Nuclear Factor One Occupancy Control the Timing of Neuronal Maturation*. Department of Microbiology and Physiological Systems (MaPS), UMass Medical School, Worcester MA
10. February 10, 2012. *Nuclear Factor One Controls a membrane potential-sensitive switch program in developing neurons*. Department of MaPS, UMass Medical School, Worcester MA
11. April 12, 2010. Department of Physiology, University of Massachusetts Medical School. Worcester, Massachusetts (Host: Dr. Daniel L. Kilpatrick)
12. April 8, 2010. Stowers Institute for Medical Research, Kansas City, Missouri (Host: Dr. Jerry Workman)
13. April 5, 2010. Department of Experimental Radiation Oncology, University of Texas M.D. Anderson Cancer Center. Houston, Texas (Host: Dr. Junjie Chen)
14. March 30, 2010. *The Roles of Transcription Factors in Nucleotide Excision Repair in Yeast*. Department of Comparative Biomedical Science, LSU, Baton Rouge, LA
15. February 23, 2010. Department of Systems Biology, University of Texas M.D. Anderson Cancer Center. Houston, Texas (Host: Dr. Gabor Balazsi)
16. October 26, 2009. Department of Cell Biology and Physiology, Washington University in St. Louis. St. Louis, Missouri (Host: Dr. Helen Piwnicka-Worms)
17. January 20, 2009. *Transcription elongation factors Spt4 and Spt5 cooperatively suppress transcription coupled DNA repair through binding to RNA polymerase II*. Department of Comparative Biomedical Science, LSU, Baton Rouge, LA
18. November 20, 2008. *The Regulatory Mechanisms of Transcription Coupled Nucleotide Excision Repair (TC-NER) by Spt4/Spt5*. Department of Comparative Biomedical Science, LSU, Baton Rouge, LA
19. *The biological function of Polysaccharide in health care*. Clinical Nutriology Conference of Zhejiang Province. Nov. 2003, Shaoxing, P. R. China.

### **Community services**

- Louisiana Region VI Science and Engineering Fair Judge 2019
- Massachusetts State Middle School Science and Engineering Fair Judge (2014-2016)
- Reuters Health  
<http://www.psychcongress.com/article/tiny-brain-organoids-show-neuron-differentiation-autism-23405>

### **Links**

- Ding Lab  
[https://biology.louisiana.edu/Baojin\\_Ding](https://biology.louisiana.edu/Baojin_Ding)
- Complete List of Published Work in MyBibliography:  
<https://www.ncbi.nlm.nih.gov/myncbi/collections/bibliography/50266341>
- Google scholar Profile  
<https://scholar.google.com/citations?user=gGuQKNIAAAAJ&hl=en>