

## *Curriculum vitae: David Donze, Ph. D.*

**CURRENT POSITION** Louisiana State University, Department of Biological Sciences  
Associate Chair for Undergraduate Studies January 2022-present  
Professor August 2015-present  
Associate Professor August 2007 - 2015  
Assistant Professor August 2001 - 2007

**EDUCATION/TRAINING** Postdoctoral Fellow May 1997 - July 2001  
National Institutes of Health Bethesda, MD Rohinton Kamakaka, advisor

Postdoctoral Fellow August 1996 - April 1997  
University of Alabama at Birmingham Tim M. Townes, advisor

Ph. D. Biochemistry August 1990 - July 1996  
University of Alabama at Birmingham Tim M. Townes, advisor

Research Associate, LSUHSC, New Orleans , March 1984 – July 1990

Research Associate, U. Texas at Austin, August 1982 – Feb. 1984

Chemistry Instructor, Louisiana State University, August 1981 – May 1982

B. S. Chemistry, 1981, Louisiana State University, August 1977 – Dec. 1981

### **AWARDS AND HONORS:**

- Louisiana State University Alumni Federation Scholarship, 1977.
- Louisiana State University, Copolymer Award in Chemistry, 1979 and 1981.
- NIH Training Grant, Cell and Molecular Biology, The University of Alabama at Birmingham, 1991-1994.
- NIH Training Grant, The University of Alabama at Birmingham Center for AIDS Research, 1994-1996.
- Pittman Award, Department of Biochemistry and Molecular Genetics, The University of Alabama at Birmingham, 1995.
- Graduate Student Research Competition, First Place Award, The University of Alabama at Birmingham Graduate School and Sigma Xi Chapter, 1996
- John Durant Award, The University of Alabama at Birmingham, 1996
- Fellows Award for Research Excellence, National Institutes of Health, 1999 and 2000
- Tiger Athletic Foundation/College of Science Graduate Student Teaching Award, 2012
- Tiger Athletic Foundation/College of Science Undergraduate Teaching Award, 2014

### **SOCIETIES:**

- American Association for the Advancement of Science
- The Genetics Society of America
- American Society for Microbiology

### **PROPOSAL REVIEWER:**

**Ad hoc:** Netherlands Organisation for Scientific Research: Human Frontier Science Program; National Science Foundation; Louisiana Biomedical Research Network; Louisiana Agricultural Experiment Station.

**Panel service:** National Science Foundation, April 2009, April 2011, December 2011, March 2014

**AD HOC JOURNAL REVIEWER:**

Cell and Molecular Life Sciences	Analytical Biochemistry	Genomics	Current Genetics
Genetics	Gene	PLoS One	
Nucleic Acids Research	Molecular and Cellular Biology	G3	

**PUBLICATIONS:**

1) Relationships Among the *Bdellovibrios* Revealed by Partial Sequences of 16S Ribosomal RNA.

**David Donze**, John A. Mayo, and Dana L. Diedrich.

*Current Microbiology*, Vol. 23 (1991) 115-119

2) Identification of Nuclear Encoded Precursor tRNAs Within the Mitochondrion of *Trypanosoma brucei*.

Kathy Hancock, Allen J. LeBlanc, **David Donze**, and Steven L. Hajduk.

*The Journal of Biological Chemistry*, Vol. 267, No. 33, 23963-23971 (1992)

3) Multiple Elements in Human  $\beta$ -globin Locus Control Region 5' HS2 are Involved in Enhancer Activity and Position Independent Transgene Expression.

John J. Caterina, Dominic J. Ciavatta, **David Donze**, Richard R. Behringer and Tim M. Townes.

*Nucleic Acids Research*, Vol. 22, No. 6, 1006-1011 (1994)

4) Cloning and Functional Characterization of LCR-F1: A bZIP Transcription Factor That Activates Erythroid-Specific, Human Globin Gene Expression.

John J. Caterina, **David Donze**, Chiao-Wang Sun, Dominic Ciavatta and Tim M. Townes

*Nucleic Acids Research*, Vol. 22, No. 12, 2383-2391 (1994)

5) Role of Erythroid Kruppel-like Factor in Human  $\gamma$ - to  $\beta$ -globin Gene Switching.

**David Donze**, Tim M. Townes, and James J. Bieker.

*The Journal of Biological Chemistry*, Vol. 270, No. 4, 1955-1959 (1995)

6) Activation of  $\delta$ -globin Gene Expression by Erythroid Kruppel Like Factor (EKLF): A Potential Approach for Gene Therapy of Sickle Cell Disease.

**David Donze**, Paxson H. Jeancake, and Tim M. Townes.

*Blood*, Vol. 88, No. 10, 4051-4057 (1996)

7) The Boundaries of the Silenced HMR Domain in *Saccharomyces cerevisiae*.

**David Donze**, Christopher R. Adams, Jasper Rine, and Rohinton T. Kamakaka

*Genes and Development*, Vol. 13, 698-708 (1999)

8) RNA Polymerase III and Polymerase II Promoter Complexes are Heterochromatin Barriers in *Saccharomyces cerevisiae*.

**David Donze** and Rohinton T. Kamakaka

*The EMBO Journal*, Vol. 20 No. 3, 520-531 (2001)

- 9) Novel Transactivation Domain in Erythroid Kruppel-like Factor (EKLF).  
Kumar Pandya, David Donze, and Tim M. Townes  
*The Journal of Biological Chemistry*, Vol. 276, No. 11, 8239-8243 (2001)
- 10) Sir2p Exists in Two Nucleosome-binding Complexes with Distinct Deacetylase Activities.  
Sonja Ghidelli, **David Donze**, Namrita Dhillon, and Rohinton T. Kamakaka  
*EMBO J.* Vol. 20, No. 16, 4522-4535 (2001)
- 11) Braking the Silence: How Heterochromatic Gene Repression is Stopped in its Tracks.  
**David Donze** and Rohinton T. Kamakaka  
*Bioessays*, Vol. 24, No. 4, 344-349 (2002)
- 12) Characterization of a male-predominant antisense transcript underexpressed in hybrids of *Drosophila pseudoobscura* and *D. persimilis*.  
Mohamed A. F. Noor, Pawel Michalak, and **David Donze**  
*Genetics*, Vol. 165, 1823-1830 (2003)
- 13) Breaking the Histone Code of Silence: The Propagation and Blocking of Heterochromatin.  
**David Donze\*** *Curr. Org. Chem.*, Vol. 8, 211-221 (2004)
- 14) The *S. cerevisiae* *TRT2* tRNA<sup>Thr</sup> gene upstream of *STE6* is a barrier to repression in *MAT $\alpha$*  cells and exerts a potential tRNA position effect in *MAT $\alpha$*  cells.  
Tiffany A. Simms@, Elsy C. Miller@, Nicolas P. Buisson@, Nithya Jambunathan#, and **David Donze\***  
*Nucleic Acids Research*, Vol. 32, 5206-5213 (2004)
- 15) Modulation of yeast genome expression in response to defective RNA polymerase III-dependent transcription.  
Christine Conesa, Roberta Ruotolo, Pascal Soularue, Tiffany A. Simms#, **David Donze**, André Sentenac, and Giorgio Dieci  
*Mol. Cell. Biol.*, Vol. 25, 8631-8642 (2005)
- 16) Multiple bromodomain genes are involved in restricting the spread of heterochromatic silencing at the *S. cerevisiae* *HMR*-tRNA boundary.  
Nithya Jambunathan#, Adam W. Martinez@, Elizabeth C. Robert^, Nneamaka B. Agochukwu@, Megan E. Ibos@, Sandra L. Dugas, and **David Donze\***  
*Genetics*, Vol. 171, 913-922 (2005)
- 17) Requirement of Nhp6 proteins for transcription of a subset of tDNAs and heterochromatin barrier function in *Saccharomyces cerevisiae*.  
Priscilla Braglia, Sandra L. Dugas, **David Donze**, and Giorgio Dieci  
*Mol. Cell. Biol.*, Vol. 27, 1545-1557 (2007)
- 18) TFIIC binding sites function as both heterochromatin barriers and chromatin insulators in *S. cerevisiae*.<sup>†SEP†</sup>  
Tiffany A. Simms#, Sandra L. Dugas, Jason C. Gremillion@, Megan E. Ibos@, M. Nicole Dandurand@, Tasha T. Toliver@, Daniel J. Edwards@, and **David Donze**.<sup>†SEP†\*</sup>  
*Eukaryotic Cell*, Vol. 7, 2078-2086 (2008)
- 19) Functional characterization of the *Chlamydomonas reinhardtii* *ERG3* ortholog, a gene involved in the biosynthesis of ergosterol.

Kristy M. Brumfield#, James V. Moroney, Thomas S. Moore, Tiffany A. Simms and **David Donze\***  
*PLoS ONE*, 5(1): e8659. doi:10.1371/journal.pone.0008659 (2010)

20) Autoregulation of an RNA polymerase II promoter by the RNA polymerase III transcription factor III C (TFIIIC) complex.

Richard A. Kleinschmidt#, Kimberly E. LeBlanc#, and **David Donze\***  
*Proc. Nat. Acad. Sci., USA*, Vol. 108, 8385-8389 (2011)

21) Expression of Yeast High Mobility Group Protein *HMO1* is Regulated by TOR Signaling.

Lijuan Xiao, Edwin Kamau#, **David Donze** and Anne Grove  
*Gene*, Vol. 489, 55-62 (2011)

22) Extra-transcriptional functions of RNA Polymerase III complexes: TFIIIC as a potential global chromatin bookmark.

**David Donze\*** *Gene*, Vol. 493, 169-75 (2012)

23) TFIIIC Localises Budding Yeast ETC Sites to the Nuclear Periphery.

Shin-ichiro Hiraga, Sotirios Botsios, **David Donze** and Anne D. Donaldson  
*Mol. Biol. Cell.*, Vol. 23, 2741-54 (2012)

24) Intergenic Transcriptional Interference Is Blocked by RNA Polymerase III Transcription Factor TFIIIB in *Saccharomyces cerevisiae*.

Asawari Korde#, Jessica M. Rosselot@, and **David Donze\***  
*Genetics*, Vol. 196, 427-438 (2014)

25) Compromised RNA Polymerase III complex assembly leads to local alterations of intergenic RNA Polymerase II transcription in *Saccharomyces cerevisiae*.

Qing Wang#, Chance M. Nowak@, Asawari Korde#, Dong-Ha Oh, Maheshi Dassanayake, and **David Donze\***  
*BMC Biology*, 12:89 doi:10.1186/s12915-014-0089-x (2014)

26) Transcription factor Reb1 is required for proper transcriptional start site selection at the divergently transcribed *TFC6-ESC2* locus in *Saccharomyces cerevisiae*.

Qing Wang# and **David Donze\***  
*Gene*, Vol. 594, 108-116 (2016)

27) Genetic screen for suppressors of increased silencing in *rpd3* mutants in *Saccharomyces cerevisiae* identifies a potential role for H3K4 methylation.

Richard A. Kleinschmidt#, Laurie M. Lyon@, Samantha L. Smith@, Jonah Rittenberry@, K. Maeve Lawless@, Anabelle A. Acosta@ and **David Donze\***

*G3 Genes|Genomes|Genetics*, Vol. 11, Issue 11, November 2021

<https://doi.org/10.1093/g3journal/jkab309> Published online 17 September 2021

28) TFIIIC-based chromatin insulators through eukaryotic evolution.

Rebecca Sizer, Nisreen Chahid, **David Donze**, Nia J. Bryant, Robert J. White  
Submitted to *Gene*, August 2021

\* Corresponding author # LSU graduate student co-author @ LSU undergraduate student co-author

^ LSU hosted summer HHMI student

**INVITED TALKS AT NATIONAL/INTERNATIONAL MEETINGS.**

“Protein Factors Required for *HMR* tRNA Chromatin Boundary Activity in *S. cerevisiae*”  
Third International Conference on RNA polymerases I and III, June 2002 Asilomar, CA

“The *ETC6* site B-box sequence functions as an auto-regulatory element in the *TFC6* promoter”  
Seventh International Conference on RNA polymerases I and III, June 2010 Airlie, VA

“Global defective RNA polymerase III complex assembly in *Saccharomyces cerevisiae* results in varied local effects on the Pol II transcriptome” OddPols 2014, International Conference on Transcription by RNA Polymerases I, III, IV, and V, Ann Arbor, MI June 2014

**Session Chair**, OddPols 2014, International Conference on Transcription by RNA Polymerases I, III, IV, and V, Ann Arbor, MI June 2014

## INVITED RESEARCH SEMINARS

- University of Parma, Italy July 2003
- Louisiana State University Health Sciences Center, Shreveport, October 2003
- “High Impact Research in BIOSCI” Seminar series, sponsored by Hiroshima University and LSU Department of Biological Sciences, Baton Rouge, September 2013
- Louisiana Cancer Research Center, Tulane University Health Sciences Center, June 2014
- University of Alabama at Birmingham, Department of Biochemistry and Molecular Biology, September 2014

## OTHER PRESENTATIONS

- “Darwin Day” lecture on “Evolution and Medicine” sponsored by LSU BioGrads, February 2010
- Pennington Biomedical Research Center Scientific Retreat, March 2015
- “Yeast as a Model Organism” presentation to the LSU Student Chapter of the American Society for Microbiology (SASM), April 2016

## Presentations at scientific meetings

1) **David Donze**, John A. Mayo, and Dana L. Diedrich. *Relationships Among the Bdellovibrios Revealed by Partial Sequences of 16S Ribosomal RNA*. American Society for Microbiology National Conference, New Orleans, LA, May 1989.

2) John Caterina, **David Donze**, Carl Pinkert, Richard Behringer, and Tim M. Townes. *Human  $\beta$ -globin Locus Control Region (LCR): Analysis of the 5' HS-2 Site in Transgenic Mice*. ASBMB/DBC-ACS Annual Meeting, San Diego, CA June 1993.

3) **David Donze**, John J. Caterina, Chiao-Wang Sun, Susan C. Farmer, Dominic Ciavatta, and Tim M. Townes. *Cloning and Functional Characterization of LCR-F1: A bZIP Transcription Factor That Activates Erythroid-Specific, Human Globin Gene Expression*. Ninth Conference on Hemoglobin Switching, Orcas Island, Washington, June 1994

4) **David Donze**, James J. Bieker, and Tim M. Townes. *Potential Role of EKLF in Human  $\gamma$ - to  $\beta$ -globin Gene Switching*. Ninth Conference on Hemoglobin Switching, Orcas Island, Washington, June 1994

5) **David Donze**, James J. Bieker, and Tim M. Townes. *Role of EKLF in Human  $\gamma$ - to  $\beta$ -globin Gene Switching*. American Society of Hematology Annual Meeting, Nashville, TN, December 1994

- 6) **David Donze**, Paxson H. Jeancake, and Tim M. Townes. *Activation of  $\delta$ -globin Gene Expression by Erythroid Kruppel Like Factor (EKLF): Novel Strategy for Gene Therapy of Sickle Cell Disease*. Tenth Conference on Hemoglobin Switching, Orcas Island, Washington, June 1996
- 7) **David Donze**, Paxson H. Jeancake, and Tim M. Townes. *Activation of delta-globin gene expression by erythroid Kruppel like factor (EKLF): A potential approach for gene therapy of sickle cell disease*. American Society of Hematology Annual Meeting, Orlando, FL, December 1996
- 8) Kumar Pandya, **David Donze**, and Tim M. Townes. *Identification and functional characterization of a novel transactivation domain of the erythroid Kruppel-like factor (EKLF)*. American Society of Hematology Annual Meeting, Miami, FL, December 1998
- 9) **David Donze**, Christopher R. Adams, and Rohinton Kamakaka. *The boundaries of the silenced HMR domain in Saccharomyces cerevisiae*. FASEB conference on Chromatin and Transcription, Snowmass, CO, July 1999
- 10) **David Donze**, and Rohinton T. Kamakaka. *Detailed Analysis of the Boundaries of the Silenced HMR Domain in Saccharomyces cerevisiae*. Keystone Conference on Chromatin Structure, Durango, CO, February 2000
- 11) **David Donze** and Rohinton Kamakaka. *Heterochromatin barriers in Saccharomyces cerevisiae*. FASEB Chromatin and Transcription conference, Snowmass, CO, July 2001
- 12) Tiffany Judice and **David Donze**. *Chromatin Boundaries in Saccharomyces cerevisiae*. Gordon Research Conference on Chromatin Structure and Function, Tilton, NH, July 2002
- 13) **Donze, D.**, Dieci, G., Kobayashi, T., Ruotolo, Simms, T.A., Conesa, C. *Extra-coding Functions of RNA Polymerase III Transcribed Genes*. Human Frontier Science Program Annual Meeting, Bethesda, MD June 2005
- 14) Nithya Jambunathan, Adam W. Martinez, Elizabeth C. Robert, Nneamaka B. Agochukwu, Megan E. Ibos, Sandra L. Dugas, and **David Donze**. *Multiple bromodomain proteins function as anti-silencing factors in S. cerevisiae*. FASEB conference on Chromatin and Transcription, Snowmass, CO, July 2005
- 15) Richard A. Kleinschmidt and **David Donze**. *Effectors of the rpd3 $\Delta$  silencing effect*. FASEB Conference, New Orleans, LA, April 2009
- 16) A. Korde, J. M. Rosselot, **D. Donze**. *Analysis of extra-transcriptional functions of RNA polymerase III bound sites in Saccharomyces cerevisiae*. American Society for Cell Biology, Annual Meeting. San Francisco, CA. December 2012
- 17) A. Korde, J. M. Rosselot, **D. Donze**. *Extra-transcriptional effects of RNA polymerase III transcription complex on neighboring RNA polymerase II transcribing genes*. ASBMB Annual Meeting. Boston, MA. April 2013
- 18) A. Korde, J. M. Rosselot, **D. Donze**. *RNA polymerase III transcription factor complexes block transcriptional interference from intergenic RNA polymerase II progression*. Experimental Biology 2014. San Diego, CA April 2014

19) K. Kern and **D. Donze**. *Potential Extra-transcriptional Effect of RNA Polymerase III Complex Binding on rDNA Silencing in Saccharomyces cerevisiae*. American Society for Microbiology Annual Meeting, New Orleans, LA May 2015

20) Nisreen Chahid, Bob White, Nia Bryant, **David Donze**, Chris Lennon and Sarah Ryan. *Novel Strategies to Improve Pichia pastoris as an Expression Platform*. OddPols 2021: International Conference on Transcription by RNA Polymerases I, III, IV, and V, Denver, CO June 14-18 2021

**CURRENT GRANT SUPPORT – None**

**PENDING GRANT SUPPORT**

*Genomic impacts of bound RNA polymerase III complexes in Saccharomyces cerevisiae*.  
National Science Foundation, in revision.

**COMPLETED GRANT SUPPORT**

*Extra-transcriptional regulatory functions of the RNA polymerase III system*.  
National Science Foundation  
Awarded to **David Donze (sole PI)**  
September 2013-August 2018  
**\$510,000**, + **\$6,600** REU supplement to support undergraduate research

*RNA Polymerase III Transcription Factor Complexes as Chromatin Boundary Elements*.  
National Science Foundation  
Awarded to **David Donze (sole PI)**  
August 2008-August 2012  
**\$480,000**, + **\$5,500** REU supplement to support undergraduate research  
+ **\$94,720** supplement and extension through August 2014

*Genetic and Molecular Analysis of Chromatin Boundaries in Saccharomyces cerevisiae*.  
National Science Foundation  
Awarded to **David Donze (sole PI)**  
March 2004-February 2008  
**\$420,000**, + **\$5,570** REU supplement to support undergraduate research

*Functions of the RNA Polymerase III Transcription System in Genome Organization and Dynamics*.  
Human Frontiers Science Program  
Awarded to Giorgio Dieci (PI), Takehiko Kobayashi (Co-PI), and **David Donze (Co-PI)**  
July 2002-June 2006  
Total \$750,000, **Donze share \$240,000**

*Analysis of Chromosomal Insulator/Boundary Elements*  
NIH/National Institute of Child Health and Human Development Career Transition Award (K22)  
Awarded to **David Donze, (sole PI)**  
July 2001-June 2004  
**\$268,160**

## **SERVICE**

### ***Departmental:***

- BMB representative on the Department Executive Committee, 2004-present
- CDIB/BMB seminar committee co-chair, 2007-2014
- Promotion and Tenure Committee, January 2011-August 2021
- Mentoring Committees – Bing Luo, Rui Lu, Anastasios Vourekas (chair, current)
- Teaching Committees – David Vinyard (chair), SeYeon Chung (chair), Alyssa Johnson (all current)
- Mentoring Committee chair and laboratory host for Research Assistant Professor Raphyel Rosby, February 2014-December 2017.
- Graduate Student Committee Service (not including my own Ph.D. students) - 55 total, 5 current
- Microbial Physiology Faculty Search Committee, led to the hiring of William Doerrler (2003-2004).
- Signal Transduction Faculty Search Committee, led to the hiring of Bing Luo (2006-2007).
- Biochemistry Laboratory Instructor Search Committee, Summer 2014, led to hiring of Johnna Roose
- RNA Biology/Biochemistry Faculty Search Committee (Chair), led to hiring of Anastasios Vourekas (2017-2018)
- Introductory Biology Coordinator Search Committee, led to hiring of Crystal Bowman (2021)

### ***College:***

- College of Science Pre-Medical/Pre-Dental Review Committee, May 2007-present.
- Spring Invitational Advisor, 2007, 2009, 2012, 2014, 2017
- Commencement, Su2006, S2007, F2007, Su2008, F2008, S2011, S2012, Su2014, F2015, S2017, Su2018, F2018, S2019
- Committee member for Master of Natural Sciences (MNS) Students (6)
- College of Science Promotion and Tenure Faculty Advisory Committee, Fall 2016-Spring 2021, Committee Chair, Fall 2018-Spring 2021

### ***University:***

- Dean's Representative Service (6)
- Faculty Facilitator, Summer Reading Program, 2007
- Judge for Triple X Research Symposium, 2012
- LSU Quality Enhancement Plan (QEP) College Advisory Board (LSU Discover), September 2013-May 2015
- Biological Sciences Faculty Senate Representative, August 2014 – August 2017
- Scholars Welcome Dinner, Faculty Representative, February 2015
- Faculty Advisor, Alpha Epsilon Delta Student Pre-Medical Society, Louisiana Beta Chapter, January 2016-present
- Pre-Health Advising Director Search Committee, Spring 2018
- LSU Discover Day Judge, 2016, 2018
- LSU Discover Day Student Panel Moderator, 2019.

### ***Community:***

- PTA president, Bernard Terrace Elementary School (Baton Rouge), 2005-2008
- Science Fair Judge, Glasgow Middle School (Baton Rouge), 2010
- Science Fair Judge, Holy Cross School (New Orleans), Annually, 2012-2019



### **Teaching:**

- BIOL4132 Eukaryotic Molecular Genetics
- BIOL7132 Mechanisms of Eukaryotic Gene Regulation (Graduate Course)
- BIOL4246 Microbial Genetics
- BIOL4385 Biochemistry Laboratory
- BIOL4094 General Biochemistry
- Revised and updated protocols used in BIOL4385 Laboratory course, 2003.
- Developed new graduate course, BIOL7132, Mechanisms of Eukaryotic Gene Regulation (Fall 2008)
- Attended CxC (Communication Across the Curriculum) workshop, May 2012
- Converted BIOL4132 into a CxC course beginning Fall 2014.

### **Courses taught:**

- Fall 2001: BIOL4385, Biochemistry Laboratory
- Summer 2002: BIOL3999
- Fall 2002: BIOL4246, Microbial Genetics
- Spring 2003: BIOL4246, Microbial Genetics, BIOL3999
- Summer 2003: BIOL3999
- Fall 2003: BIOL4385, Biochemistry Laboratory, BIOL3999
- Spring 2004: BIOL4246, Microbial Genetics
- Fall 2004: BIOL4132, Eukaryotic Molecular Genetics
- Spring 2005: BIOL4132, Eukaryotic Molecular Genetics
- Fall 2005: BIOL4132, Eukaryotic Molecular Genetics, BIOL3999
- Spring 2006: BIOL4132, Eukaryotic Molecular Genetics, BIOL3999
- Summer 2006: BIOL3999
- Fall 2006: BIOL4132, Eukaryotic Molecular Genetics, BIOL3999, advisor for Honors College Thesis Research Project for Daniel Edwards
- Spring 2007: BIOL4132, Eukaryotic Molecular Genetics, BIOL3999, advisor for Honors College Thesis Research Project for Daniel Edwards
- Fall 2007: BIOL4132, Eukaryotic Molecular Genetics, BIOL3999
- Spring 2008: BIOL4132, Eukaryotic Molecular Genetics, BIOL3999
- Fall 2008: BIOL7800, Mechanisms of Eukaryotic Gene Regulation (Graduate Level)
- Spring 2009: BIOL4132, Eukaryotic Molecular Genetics, BIOL3999
- Fall 2009: BIOL4132, Eukaryotic Molecular Genetics, BIOL3999, advisor for Honors College Thesis Research Project for Jessica Rosselot
- Spring 2010: BIOL4132, Eukaryotic Molecular Genetics, BIOL3999, advisor for Honors College Thesis Research Project for Jessica Rosselot
- Summer 2010: BIOL3999, Honors College Thesis Project for Jessica Rosselot
- Fall 2010: BIOL7800, Mechanisms of Eukaryotic Gene Regulation (Graduate Level), BIOL3999, Honors College Thesis Project for Jessica Rosselot
- Spring 2011: BIOL4132, Eukaryotic Molecular Genetics, BIOL3999, Honors College Thesis Project for Jessica Rosselot
- Fall 2011: BIOL3999, advisor for Honors College Thesis Research Project for Shiqu Li
- Spring 2012: BIOL4132, Eukaryotic Molecular Genetics, BIOL3999, advisor for Honors College Thesis Research Project for Shiqu Li
- Fall 2012: BIOL4132, Eukaryotic Molecular Genetics, BIOL3999, advisor for Honors College Thesis Research Project for Shiqu Li
- Spring 2013: BIOL7132, Mechanisms of Eukaryotic Gene Regulation (Graduate Level), BIOL3999
- Fall 2013: BIOL4132, Eukaryotic Molecular Genetics, BIOL3999
- Spring 2014: BIOL4132, Eukaryotic Molecular Genetics

Fall 2014: BIOL4132, Eukaryotic Molecular Genetics  
Spring 2015: BIOL7132, Mechanisms of Eukaryotic Gene Regulation (Graduate Level)  
Fall 2015: BIOL4132, Eukaryotic Molecular Genetics  
Spring 2016: BIOL4132, Eukaryotic Molecular Genetics  
Fall 2016: BIOL4132, Eukaryotic Molecular Genetics  
Spring 2017: BIOL4132, Eukaryotic Molecular Genetics, BIOL3999, Honors College Thesis Project for Margaret Agosta  
Fall 2017: BIOL4132, Eukaryotic Molecular Genetics  
Spring 2018: BIOL4132, Eukaryotic Molecular Genetics  
Fall 2018: BIOL4094, General Biochemistry for Majors, BIOL3999, advisor for Honors College Thesis Research Projects for Laurie Lyon and Jonah Rittenberry  
Spring 2019: BIOL4132, Eukaryotic Molecular Genetics, BIOL3999, advisor for Honors College Thesis Research Projects for Laurie Lyon and Jonah Rittenberry  
Fall 2019: BIOL4094, General Biochemistry for Majors  
Spring 2020: BIOL7132, Mechanisms of Eukaryotic Gene Regulation (Graduate Level)  
Fall 2020: BIOL4094, General Biochemistry for Majors – Taught in person and Zoom simulcast; extensively edited transcript of every lecture to accommodate hearing impaired student.  
Spring 2021: BIOL7132, Mechanisms of Eukaryotic Gene Regulation (Graduate Level)  
Fall 2021: BIOL4094, General Biochemistry for Majors

#### **Graduate Student Committees: Student (Advisor)**

Completed (53):	Molly Silvers (Waldrop)
Bethany Vincent (Batzer)	Zelam Kaluskar (Pettis)
Pauline Callinan (Batzer)	Narender Kumar (Larkin)
Raphyel Rosby (DiMario)	Wesley Frey (Kim)
Anthony Otieno (Batzer)	Alison James (DiMario)
Jennifer Huang (Kim)	Yubo Wang (DiMario)
Edwin Kamau (Grove)	Pini Perera (Kim)
Sharmistha Ghosh (Grove)	An Ye (Kim)
Matthew Ducote (Pettis)	Satya Avva (Hart)
Sheri Dixon (Hellberg)	Arvind Panday (Grove)
Kevin Schully (Pettis)	Corey Bretz (Kim)
Glen Meades (Waldrop)	Arundhati Bakshi (Kim)
Emily Jackson (Prufer)	Sara Zahraeifard (Smith)
Danielle Tatum (Shisheng Li, Vet School)	Tianyun Long (Rui Lu)
Sona Chowdhury (Cormier)	Shana Garrett (Pettis)
Hui Wang (Batzer)	Shraddha Shrestha (Hart)
Hana Kim (Kim)	Himanshu Raje (DiMario)
Anirban Mukherjee (Grove)	Ananya Mukherjee (Moroney)
Katherine Garrison (Pettis)	Qi Zhang (Smith)
Swarnava Roy (Hart)	Mukesh Maharjan (Hart)
Yu Ge (Hart)	Sonu Baral (DiMario)
Kristy Brumfield (Moore/Moroney)	Maryam Foroozani (Smith)
Deepa Srikanta (Batzer)	Afsana Sabrin (Grove)
Chris Faulk (Kim)	Paula Mota de Sa (Stephens)
Nan Jiang (Hart)	Mathew Smith (Grove)
George Cook (Batzer)	Jasmine Burrell (Stephens)
Muhammed Ekram (Kim)	Subash Ghimire (Kim)

**Current: (5, as of January 2022)**

Sanjay Kumar (Grove)  
Thomas Martin (Collier, Pennington)

Joseph Qian (South)  
Muneera Mashkooor (Grove)  
Allison Scarborough (Voourekas)

**Undergraduate Students Mentored**

47 total, 3 current. 18 included as co-authors on publications

Faculty Advisor for Spring 2022 Distinguished Communicator candidate Grayce Mores.

**Honors Theses Mentored**

Daniel Edwards, 2008  
Jessica Rosselot, 2011  
Margaret Agosta, 2017  
Laurie Lyon, 2019  
Jonah Rittenberry, 2019  
Sarah Schorr, 2021

**Dissertations and Theses Directed:**

- 1) **Tiffany Simms, Masters in Biological Sciences, August 2006**
- 2) **Nithya Jambunathan, Ph. D. in Biological Sciences, August 2008**
- 3) **Richard Kleinschmidt, Ph. D. in Biological Sciences, August 2011**
- 4) **Kimberly LeBlanc, Masters in Biological Sciences, August 2012**
- 5) **Asawari Korde, Ph. D. in Biological Sciences, August 2014**
- 6) **Qing Wang, Ph.D. in Biological Sciences, December 2015**
- 7) **Kyle Kern, Ph.D. in Biological Sciences, August 2018**

**CURRENT GRADUATE STUDENTS**

None.

Revised January 3, 2022