

# Maria M. Mikedis, Ph.D.

Whitehead Institute  
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## EDUCATION

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**Ph.D. Cell and Molecular Biology**, University of Wisconsin-Madison 2014  
**B.S. Biology**, *cum laude*, Duke University 2007

## RESEARCH POSITIONS

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**Postdoctoral Fellow**, Whitehead Institute 2014-present  
Advisor: **David C. Page**

**Graduate Research Assistant**, University of Wisconsin-Madison 2008-2014  
**Assistant Research Specialist**, University of Wisconsin-Madison 2007-2008  
Advisor: **Karen M. Downs**

**Undergraduate Research Assistant**, Duke University 2005-2007  
Advisor: **Blanche Capel**

**GEBS Summer Scholar**, University of Rochester 2005  
Advisor: **Douglas Portman**

## GRANTS AND FELLOWSHIPS

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NIH Pathway to Independence Award (K99/R00), NICHD 2020-2025  
NIH NRSA Individual Postdoctoral Fellowship (F32), NICHD 2017-2020  
Lalor Foundation Postdoctoral Fellowship 2016-2017  
National Science Foundation Research Fellowship 2011-2014  
University of Wisconsin-Madison Stem Cell and Regenerative Medicine Center Fellowship 2010-2011

## OTHER RESEARCH TRAINING

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iCLIP: Genomic views of protein-RNA interactions, *EMBO* (Mainz, Germany) 2015  
Short Course on Medical and Experimental Mammalian Genetics, *The Jackson Laboratory* 2011

## CONFERENCE PRESENTATIONS

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Cold Spring Harbor Meeting, Germ Cells – Poster 2020  
Cold Spring Harbor Meeting, Translational Regulation – Poster 2020  
Society for Developmental Biology Annual Meeting – **Talk selected from abstracts** 2020  
Society for Developmental Biology Annual Meeting – Poster 2019  
Cold Spring Harbor Symposium, RNA Control and Regulation – Poster 2019  
Cold Spring Harbor Meeting, Germ Cells – Poster 2016  
Gordon Research Conference, Developmental Biology – Poster 2013  
St. Jude National Graduate Student Symposium – **Talk selected from abstracts** 2013  
Society for Developmental Biology Annual Meeting – Poster 2012  
Cold Spring Harbor Meeting, Stem Cells – Poster 2011  
EMBO Workshop, Lineage Commitments: Emphasis on Extraembryonic-Embryonic Interfaces –  
**Talk selected from abstracts** 2011  
Cold Spring Harbor Meeting, Germ Cells – Poster 2010  
Society for Developmental Biology Annual Meeting – Poster 2009

## SELECTED HONORS

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Whitehead Postdoc Association Education Award 2015  
St. Jude National Graduate Student Symposium selected attendee 2013  
Student Conference Travel Award, Program in Cellular and Molecular Biology, UW-Madison 2013  
Society for Developmental Biology Student Travel Award 2012  
61<sup>st</sup> Annual Lindau meeting of Nobel Laureates and Students selected attendee 2011  
Graduation with distinction in Biology 2007

## TEACHING AND COURSE DESIGN

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### Massachusetts Institute of Technology

**Instructor**, Biology 7.343: Advanced Undergraduate Seminar

Spring 2018

**Instructor**, Biology 7.345: Advanced Undergraduate Seminar

Spring 2017

### University of Wisconsin-Madison

**Instructional Material Design Team**, Biology/Zoology 102: Animal Biology Laboratory

Spring 2012

## TRAINING IN PEDAGOGY

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**Kaufman Teaching Certificate Program**, MIT Learning and Teaching Lab

2018

## PROFESSIONAL SERVICE

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Diversity, Equity and Inclusion Seminar Committee, Postdoc Association, Whitehead Institute 2020-2021

Professional Development Committee, Program in Cellular and Molecular Biology, UW-Madison 2013

Discovery Challenge Organizing Committee, Wisconsin Alumni Research Foundation 2011-2013

Outreach Mentor, Women in Science and Engineering, UW-Madison 2011

Graduate Student Ambassador, Wisconsin Alumni Research Foundation 2010-2013

Research Opportunities Mentor, Creating Excellence in Leadership in Science, UW-Madison 2010-2012

Graduate Admissions Committee, Program in Cellular and Molecular Biology, UW-Madison 2010

## RESEARCH TRAINEES

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**Jenni Nguyen**, Wellesley College, undergraduate researcher completing an honors thesis 2019-2021

**Sarah A. Cobbs**, Loyola University, Amgen Summer Scholar 2018

**Christina Y. He**, Wellesley College, undergraduate researcher 2016-2017

## PROFESSIONAL ASSOCIATIONS

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Society for Developmental Biology

## PEER-REVIEWED PUBLICATIONS

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1. **Mikedis MM**, Fan Y, Nicholls PK, Endo T, Jackson EK, Cobb SA, de Rooij DG, Page DC. 2020. DAZL mediates a broad translational program regulating expansion and differentiation of spermatogonial progenitors. *eLife*. 9: e56523. PMID: 32686646.
2. Gura MA, **Mikedis MM**, Seymour KA, de Rooij DG, Page DC, Freiman RN. 2020. Dynamic and regulated TAF gene expression during mouse embryonic germ cell development. *PLoS Genetics*. 16(1): e1008515. PMID: 31914128.
3. Endo T, **Mikedis MM**, Nicholls PK, Page DC, de Rooij DG. 2019. Retinoic acid and germ cell development in the ovary and testis. *Biomolecules*. 9(12): pii: E775. PMID: 31771306.
4. Rodriguez AM, Jin DX, Wolfe AD, **Mikedis MM**, Wierenga L, Hashmi MP, Viebahn C, and Downs KM. 2017. *Brachyury* drives formation of a distinct vascular branchpoint critical for fetal-placental arterial union in the mouse gastrula. *Developmental Biology* 425 (2): 208-222. PMID: 28389228.
5. Soh YQS, **Mikedis MM**, Kojima M, Godfrey AK, de Rooij DG, and Page DC. 2017. *Meioc* maintains an extended meiotic prophase I in mice. *PLoS Genetics* 13 (4): e1006704. PMID: 28380054.
6. **Mikedis MM** and Downs KM. 2017. PRDM1/BLIMP1 is widely distributed to the nascent fetal-placental interface in the mouse gastrula. *Developmental Dynamics* 246 (1): 50-71. PMID: 27696611.
7. **Mikedis MM** and Downs KM. 2014. Mouse primordial germ cells (PGCs): a reappraisal. *International Review of Cell and Molecular Biology* 309: 1-57. PMID: 24529721.
8. **Mikedis MM** and Downs KM. 2013. Widespread but tissue-specific patterns of interferon-induced transmembrane protein 3 (IFITM3, FRAGILIS, MIL-1) in the mouse gastrula. *Gene Expression Patterns* 13 (7): 225-239. PMID: 23639725.

9. **Mikedis MM** and Downs KM. 2012. STELLA-positive subregions of the primitive streak contribute to posterior tissues of the mouse gastrula. *Developmental Biology* 363 (1): 201-18. PMID: 22019303.
10. **Mikedis MM** and Downs KM. 2009. Collagen type IV and Perlecan exhibit dynamic localization in the Allantoic Core Domain, a putative stem cell niche in the allantois. *Developmental Dynamics* 238 (12): 3193-204. PMID: 19924818.