

# Saverio E. Spagnolie

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CONTACT INFORMATION	University of Wisconsin-Madison Department of Mathematics 480 Lincoln Drive, Madison, WI 53706	<i>E-mail:</i> <a href="mailto:spagnolie@math.wisc.edu">spagnolie@math.wisc.edu</a> <i>Web:</i> <a href="http://www.math.wisc.edu/~spagnolie/">www.math.wisc.edu/~spagnolie/</a> <i>Phone:</i> 608-262-3852
RESEARCH AREAS	Fluid Mechanics, Biophysics, Applied Mathematics, Numerical Methods.	
ACADEMIC EMPLOYMENT	Associate Professor, Department of Mathematics, University of Wisconsin-Madison Courtesy appointment, Department of Chemical & Biological Engineering Assistant Professor, Department of Mathematics, University of Wisconsin-Madison Postdoctoral Associate, School of Engineering, Brown University Postdoctoral Associate, Department of Mechanical/Aerospace Engineering University of California, San Diego	2018- 2016- 2012-2018 2011-2012 2008-2011
EDUCATION	Ph.D., Mathematics, Courant Institute, New York University M.S., Mathematics, Courant Institute, New York University B.S., Applied Mathematics, University of Colorado, Boulder	2004-2008 2002-2004 1998-2002
OTHER EMPLOYMENT	Consultant, Simons Foundation (Flatiron Institute, Center for Computational Biology) Research assistant, Credit Modeling and Corporate Bond Strategy, Citigroup, NY	2018-2019 2006
TEACHING	<b>University of Wisconsin-Madison</b> MATH 222, Calculus and Analytic Geometry MATH 703, Methods of Applied Mathematics I (g) MATH 514, Numerical Analysis Short course on <i>Pursuit and Evasion in Biological Fluids</i> (6 lectures) MATH 222, Calculus and Analytic Geometry MATH 705, Mathematical Fluid Dynamics (g) MATH 514, Numerical Analysis MATH 320!, Linear Algebra and Differential Equations (honors) MATH 222, Calculus and Analytic Geometry MATH 320!, Linear Algebra and Differential Equations (honors) MATH 222, Calculus and Analytic Geometry MATH 320!, Linear Algebra and Differential Equations (honors) MATH 320, Linear Algebra and Differential Equations MATH 715, Methods of Computational Mathematics II (g) MATH 801, Topics in Applied Mathematics: Biological Continuum Mechanics (g) MATH 375, Topics in Multivariable Calculus and Linear Algebra (two sections) MATH 331, Introduction to Probability and Markov Chain Modeling MATH 715, Methods of Computational Mathematics II (g) MATH 705, Mathematical Fluid Dynamics (g) <b>University of Edinburgh</b> Short course on <i>Low-Reynolds-Number Hydrodynamics</i> (6 lectures) <b>Courant Institute, New York University</b> MATH V63.0121, Calculus I MATH V63.0121, Calculus I Numerical Analysis, ODEs (g, teaching assistant) <b>University of Colorado, Boulder</b>	Spring 2020 Fall 2019 Fall 2019 Summer 2018 Spring 2018 Fall 2017 Fall 2017 Spring 2017 Spring 2017 Fall 2016 Spring 2016 Spring 2016 Fall 2015 Spring 2015 Spring 2014 Fall 2013 Spring 2013 Spring 2013 Fall 2012  Spring 2019  Spring 2006 Fall 2005 Fall 2004 - Spring 2005

APPM 2360, Linear Algebra and Differential Equations  
Calculus, Complex Var., Num. Analysis (teaching assistant)  
(g) - graduate course

Summer 2003  
Fall 2000 - Spring 2002

EDITED VOLUME ***Complex Fluids in Biological Systems***, S.E. Spagnolie (Ed.), Springer Biological and Medical Physics / Biological Engineering Series, Springer, 2015.

BOOK CHAPTERS **Introduction to complex fluids**  
A. Morozov and S.E. Spagnolie, *Complex Fluids in Biological Systems*, Springer, pp. 3–51, 2015.

PAPERS IN REVIEW 1. **Swimming with small and large amplitude waves in a confined liquid crystal**, M.S. Krieger, S.E. Spagnolie, and T.R. Powers.

PUBLICATIONS **2019**

31. **Velocity fluctuations in a dilute suspension of viscous vortex rings**  
T. Morrell, S.E. Spagnolie, and J.-L. Thiffeault, *Phys. Rev. Fluids*, (to appear) (2019).
30. **Active matter invasion of a viscous fluid: Unstable sheets and a no-flow theorem**  
C.J. Miles, A.E. Evans, M.J. Shelley and S.E. Spagnolie, *Phys. Rev. Lett.*, **222**, 098002 (2019).
29. **Dropping slender-body theory into the mud**  
S.E. Spagnolie, *J. Fluid Mech. Focus on Fluids*, **862**, 1-4 (2019).

**2017**

28. **A generalized traction integral equation for Stokes flow, with applications to near-wall particle mobility and viscous erosion**,  
W.H. Mitchell and S.E. Spagnolie, *J. Comput. Phys.*, **333**, 462-482, 2017.
27. **Microorganism Billiards**  
S.E. Spagnolie, C. Wahl, J. Lukasic, and J.L. Thiffeault, *Physica D.*, **341**, 33-44, 2017.
26. **A locally gradient-preserving reinitialization for level set functions**  
L. Li, X. Xu, and S.E. Spagnolie, *SIAM J. Sci. Comput.*, **71**, 274-302, 2017.

**2016**

25. **Straining soft colloids in aqueous nematic liquid crystals**  
P.C. Mushenheim, J.S. Pendery, D.B. Weibel, S.E. Spagnolie, and N.L. Abbott, *Proc. Natl. Acad. Sci. USA*, **113**, 5564-5569, 2016.

**2015**

24. **Bacterial transport of colloids in liquid crystalline environments**  
R.R. Trivedi, R. Maeda, N.L. Abbott, S.E. Spagnolie, and D.B. Weibel, *Soft Matter*, **11**, 8404 - 8408, 2015.
23. **Microscale locomotion in a nematic liquid crystal**  
M.S. Krieger, S.E. Spagnolie, and T.R. Powers, *Soft Matter*, **11**, 9115 - 9125, 2015.
22. **Sedimentation of spheroidal bodies near walls in viscous fluids: glancing, reversing, tumbling, and sliding**  
W.H. Mitchell and S.E. Spagnolie, *J. Fluid Mech.*, **772**, 600-629, 2015.
21. **Geometric capture and escape of a microswimmer colliding with an obstacle**  
S.E. Spagnolie, G. Moreno-Flores, D. Bartolo, and E. Lauga, *Soft Matter*, **11**, 3396 - 3411, 2015.

20. **Swimming and pumping by helical waves in viscous and viscoelastic fluids**  
L. Li and S.E. Spagnolie, *Phys. Fluids*, **27**, 021902, 2015.

19. **Stability and dynamics of magnetocapillary interactions**  
R. Chinomona, J. Lajeunesse, W.H. Mitchell, Y. Yao, and S.E. Spagnolie,  
*Soft Matter*, **11**, 1828-1838, 2015.

#### 2014

18. **Locomotion and transport in a hexatic liquid crystal**  
M.S. Krieger, S.E. Spagnolie, and T.R. Powers, *Phys. Rev. E*, **90**, 052503, 2014.

17. **The instability of a sedimenting suspension of weakly flexible fibres**  
H. Manikantan, L. Li, S.E. Spagnolie, and D. Saintillan, *J. Fluid Mech.*, **756**, 935-964, 2014.

16. **Swimming and pumping of rigid helical bodies in viscous fluids**  
L. Li and S.E. Spagnolie, *Phys. Fluids*, **26**, 041901, 2014.  
*Editor's Pick*

#### 2013

15. **The sedimentation of flexible filaments**  
L. Li, H. Manikantan, D. Saintillan, and S.E. Spagnolie, *J. Fluid Mech.*, **735**, 705-736, 2013.

14. **Locomotion of helical bodies in viscoelastic fluids: Enhanced swimming at large helical amplitudes**  
S.E. Spagnolie, B. Liu, and T.R. Powers, *Phys. Rev. Lett.* **111**, 068101, 2013.  
Accompanied by a Physics Focus article from Philip Ball.

13. **Elastocapillary self-folding: buckling, wrinkling, and collapse of floating filaments**  
A. Evans, S.E. Spagnolie, D. Bartolo, and E. Lauga, *Soft Matter*, **9** (5), 1711-1720, 2013.

#### 2012

12. **Hydrodynamics of self-propulsion near boundaries: Predictions and accuracy of far-field approximations**  
S.E. Spagnolie and E. Lauga, *J. Fluid Mech.*, **700**, 105-147, 2012.

11. **The hydrodynamics of the double-wave structure of insect spermatozoa**  
O.S. Pak, S.E. Spagnolie, and E. Lauga, *J. R. Soc. Interface*, **9**, 1908-1924, 2012.

#### 2011

10. **Comparative hydrodynamics of bacterial polymorphism**  
S.E. Spagnolie and E. Lauga, *Phys. Rev. Lett.*, **106**, 058103, 2011.  
Also selected to appear in the *Virtual Journal of Biological Physics Research*, Feb 15, 2011.

9. **A bug on a raft: Recoil locomotion in a viscous fluid**  
S. Childress, S.E. Spagnolie, and T. Tokieda, *J. Fluid Mech.*, **669**, 527-556, 2011.

#### 2010

8. **Jet propulsion without inertia**  
S.E. Spagnolie and E. Lauga, *Phys. Fluids*, **22**, 081902, 2010.  
Featured as "Research Highlights" on the Physics of Fluids web site.

7. **Stokesian jellyfish: Locomotion of a bilayer vesicle**  
A. Evans, S.E. Spagnolie, and E. Lauga, *Soft Matter*, **6**, 1737-1747, 2010.  
Also selected to appear in the *Virtual Journal of Biological Physics Research*, April 15, 2010.

6. **The optimal elastic flagellum**

S.E. Spagnolie and E. Lauga, *Phys. Fluids*, **22**, 031901, 2010.  
Also selected to appear in the *Virtual Journal of Biological Physics Research*, March 15, 2010.

5. **Surprising behaviors in flapping locomotion with passive pitching**  
S.E. Spagnolie, L. Moret, M.J. Shelley, and J. Zhang, *Phys. Fluids*, **22**, 041903, 2010.

## 2009

4. **Rehinging bi-flagellar locomotion in a viscous fluid**  
S.E. Spagnolie, *Phys. Rev. E*, **80**, 046323, 2009.
3. **Shape-changing bodies in fluid: Hovering, ratcheting, and bursting**  
S.E. Spagnolie and M.J. Shelley, *Phys. Fluids*, **21**, 013103, 2009.  
Featured in “Outside JEB”, *Journal of Experimental Biology*, 2009.

## 2006

2. **Periodic sedimentation in a Stokesian fluid**  
S. Jung, S.E. Spagnolie, K. Parikh, M. Shelley, and A-K. Tornberg, *Phys. Rev. E*, **74**, 035302, 2006.

## 2002

1. **Probabilistically optimized airline overbooking strategies**  
K. Leder, S.E. Spagnolie, and S. Wild, *UMAP Journal*, **23**, 2002.

## OTHER

**Using math to solve riddles about microbiology**  
S.E. Spagnolie, *Wisconsin State Journal*, May 6, 2017.

## INVITED PRESENTATIONS

**2019**  
Department of Physics, University of Edinburgh, Edinburgh, Scotland  
“Mathematics of form in active and inactive media,” Isaac Newton Institute, Cambridge, UK  
Department of Applied Mathematics, University of Colorado, Boulder, CO  
Department of Mathematics, University of Hawaii at Manoa, Manoa, HI

## 2018

Department of Physics, New York University, New York, NY  
Department of Mathematics, University of Michigan, Ann Arbor, MI  
School of Engineering, Brown University, Providence, RI  
Department of Applied Mathematics, University of Washington, Seattle, WA  
Department of Aerospace & Mechanical Engineering, USC, Los Angeles, CA  
AIChE Annual Meeting, Pittsburgh, PA

## 2017

“Form and deformation in solid and fluid mechanics,” Isaac Newton Institute, Cambridge, UK  
Recent Advances in Nonlinear Waves, Seattle, WA  
Courant Institute of Mathematical Sciences, New York University, New York, NY  
Simons Foundation, Flatiron Institute, New York, NY  
Batsheva de Rothschild seminar on the Physics of Microfluidics, Sde Boker, Israel  
SIAM-CSE (Computational Science and Engineering), Atlanta, GA  
Department of Mathematics, University of Utah, Salt Lake City, UT

## 2016

UW MRSEC BREW on behalf of IRG-3, Madison, WI  
GFD Summer Program, Woods Hole Oceanographic Institute, Woods Hole, MA  
Department of Mathematics, University of British Columbia, Vancouver, Canada  
Department of Mechanical Engineering, University of British Columbia, Vancouver, Canada

Department of Chemical and Biomolecular Engineering, Cornell University, Ithaca, NY  
QBio Lecture series, University of Wisconsin-Madison, WI

#### **2015**

Department of Mathematics, University of Michigan, Ann Arbor, MI  
Frontiers in Applied and Computational Mathematics (FACM), Newark, NJ  
Department of Mechanical Engineering and Applied Mechanics, University of Pennsylvania, PA  
Department of Mathematics, Florida State University, Tallahassee, FL  
APS March Meeting 2015, San Antonio, TX

#### **2014**

Department of Mathematics, Massachusetts Institute of Technology, Cambridge, MA  
Department of Applied Mathematics, Brown University, Providence, RI  
Department of Mathematics, University of Minnesota, Minneapolis, MN

#### **2013**

Distinguished Lectures in Microbiology, University of Wisconsin-Madison, WI  
“Dynamics of Suspensions, Gels, Cells and Tissues,” Isaac Newton Institute, Cambridge, UK  
Department of Mathematical Sciences, University of Wisconsin-Milwaukee, WI  
Department of Mechanical and Aerospace Engineering, University of California San Diego, CA  
Department of Mechanical Science and Engineering, University of Illinois, Urbana-Champaign, IL  
Department of Mathematics, Tulane University, New Orleans, LA

#### **2012**

Mathematical Biosciences Institute (MBI), Columbus, OH  
GPS Applied Mathematics Seminar, University of Wisconsin-Madison, WI  
SIAM Life Sciences Meeting, San Diego, CA  
International Conference on Applied Mathematics (ICAM), City University of Hong Kong, China  
Institute of Natural Sciences, Shanghai Jiao Tong University, Shanghai, China (2 parts)  
CIRF Seminar, University of California, Santa Barbara, CA  
Department of Aero/Mechanical Engineering, University of Southern California, Los Angeles, CA  
Department of Applied Mathematics, Naval Postgraduate School, Monterey, CA  
Department of Mathematics, University of Wisconsin-Madison, WI  
Department of Applied Mathematics, University of California, Merced, CA

#### **2011**

Courant Institute of Mathematical Sciences, New York University, New York, NY  
Department of Mathematics, Massachusetts Institute of Technology, Cambridge, MA  
School of Engineering, Brown University, Providence, RI  
Department of Mechanical Engineering, Technion - Israel Institute of Technology, Haifa, Israel  
Department of Mathematics, Duke University, Durham, NC  
Department of Mathematics, University of North Carolina, Chapel Hill, NC  
Department of Structural Engineering, University of California San Diego, CA

#### **2010**

Department of Mathematics, University of California, Berkeley, CA  
Department of Mathematics, University of Wisconsin, Madison, WI  
“Fluid Dynamics: From Theory to Experiment” conference, Montana State U., Bozeman, MT  
Institute for Mathematics and its Applications (IMA) workshop, University of Minneapolis, MN

#### **2009**

Department of Mechanical Engineering, University of California, Los Angeles, CA  
Department of Applied Mathematics, University of Colorado, Boulder, CO  
Department of Applied Mathematics, University of California, Davis, CA

Center for Theoretical Biological Physics, University of California San Diego, San Diego, CA

**2008**

Department of Mechanical and Aerospace Engineering, University of California, La Jolla, CA  
Department of Mathematics, New Jersey Institute of Technology, Newark, NJ

CONTRIBUTED  
PRESENTATIONS

**2017**

70th Meeting of the APS Division of Fluid Dynamics, Denver, CO

**2016**

69th Meeting of the APS Division of Fluid Dynamics, Portland, OR

**2015**

86th Annual Meeting of the Society of Rheology, Baltimore, MD  
68th Meeting of the APS Division of Fluid Dynamics, Boston, MA  
Department of Mathematics, University of Wisconsin-Madison, Madison, WI

**2014**

SIAM Annual Meeting 2014, Chicago, IL  
67th Meeting of the APS Division of Fluid Dynamics, San Francisco, CA  
APS March Meeting 2014, Denver, CO

**2013**

85th Annual Meeting of the Society of Rheology, Montréal, Québec, Canada  
66th Meeting of the APS Division of Fluid Dynamics, Pittsburgh, PA

**2012**

Fluids and Elasticity 2012, San Diego, CA  
65th Meeting of the APS Division of Fluid Dynamics, San Diego, CA  
APS March Meeting 2012, Boston, MA  
Aspen Center for Physics - *Growth and Form: Pattern Formation in Biology*, Aspen, CO (poster)

**2011**

64th Meeting of the APS Division of Fluid Dynamics, Baltimore, MD  
New England Workshop - Mechanics of Materials and Struct. (NEW.Mech) MIT, Cambridge, MA  
7th International Conference on Bio. Phys. (ICBP), University of California San Diego, CA (poster)  
5th Southern California Symp. on Flow Physics, University of Southern California, Los Angeles, CA

**2010**

63rd Meeting of the APS Division of Fluid Dynamics, Long Beach, CA  
“Fluid Dynamics: From Theory to Experiment”, Montana State U., Bozeman, MT (poster)  
Institute for Mathematics and its Applications workshop, University of Minneapolis, MN (poster)  
4th Southern California Symposium on Flow Physics, University of California, Irvine, CA  
62nd Meeting of the APS Division of Fluid Dynamics, Minneapolis, MN

**2009**

3rd Southern California Symposium on Flow Physics, University of California San Diego, CA  
61st Meeting of the APS Division of Fluid Dynamics, San Antonio, TX

**2005-2008**

American Mathematical Society (AMS) Spring Eastern Meeting, New York, NY  
61st Meeting of the APS Division of Fluid Dynamics, Salt Lake City, UT (poster)

Citigroup, New York, NY  
60th Meeting of the APS Division of Fluid Dynamics, Chicago, IL (video)

- HONORS/AWARDS
- UW-Madison Annual Award for Mentoring Undergraduates in Research, Scholarly, and Creative Activities, 2015
  - UW-Madison Honored Instructor: 2015, 2017, 2018
  - National Defense Science and Engineering Graduate Fellowship (DoD), 2002-2005

SERVICE

**Organization:**

- Founder, Madison Applied Math Lab at UW-Madison, 2015 - present
- "Workshop: Mathematical Fluids, Materials, and Biology," University of Michigan, Ann Arbor, June 2019
- Workshop on Complex Fluids in Biological Systems, BIRS (Banff International Research Station), July 2018
- Moderator for the arxiv.org physics.flu-dyn category, 2016 - 2018
- Biocomotion and Fluid-Body Interactions @ SIAM Annual Meeting, 2014 (12 mini-symposia)
- Applied and Computational Math Seminar (UW-Madison, Mathematics), 2012 - present
- APS March 2012 Sorters Meeting
- A Conference in Memory of Thomas Bringley, New York University, March 2009

**Session chair:**

- SIAM Annual Meeting 2014 - Locomotion in complex fluids
- APS/DFD 2012, M15 - Biofluids: Microswimmer Suspensions
- APS March Meeting 2012, Biofluids
- APS/DFD 2010, Biocomotion XI: Micro-swimming collective behavior
- Southern California Symposium on Flow Physics, C3: Bluff-body flows, vortices, and numerics

**Committees (UW-Madison):**

- Dissertation defenses: Hannah Tuson (Biochem.), Sept. 2012; Qin Li (Math), May 2013; Leland Jefferis (Math), Apr. 2014; Zhennan Zhou (Math), Apr. 2014; Diane Holcomb (Math), Apr. 2014; Beth Skubak Wolf (Math), May 2014; Lei Li (Math), July 2015; Kushal Sinha (Chem. Biol. Eng.), August 2015; Daniel Abras (CBE), Oct. 2015; Yu Sun (Math), Dec. 2015; Xiaoqian Xu (Math), Apr. 2016; Peter Mueller (Math), May 2016; William Mitchell (Math), May 2017; Huanyu Wen (Math), May 2017; Sung-Ning Wang (CBE), June 2017; Anubhav Kushwaha (CBE), June 2017; Frank Nguyen (CBE), July 2018; Xuanrong Guo (CBE), August 2018
- Qualifying exam (Computational Math), 2012 - 2016
- Fundraising/Newsletter, Fall 2013
- Undergraduate advising (Math), Fall 2013 - present
- Undergraduate advising (AMEP), Fall 2013 - present
- Math/Botany IT search committee, Spring 2014
- Library, Fall 2012 - Spring 2013

**University Committees (UW-Madison):**

- UW-Madison Mentoring Undergraduates in Research Award Selection Committee, 2016
- AMEP Program Committee, Fall 2016 - present

**Refereeing:**

- Bioinspiration & Biomimetics, Biophysical Journal, Computers and Fluids, Current Opinion in Colloid and Interface Science, European Physical Journal E, IMA Journal of Applied Mathematics, International Journal of Non-Linear Mechanics, Journal of Computational Physics, Journal of Fluid Mechanics, Journal of Mathematical Biology, Journal of Non-Newtonian Fluid Mechanics, Journal of Theoretical Biology, Physical Review E, Physical Review Letters, Physics Letters A, Physics of Fluids, Physical Review Fluids, PLoS Computational Biology, Proceedings of the Royal Society A, Quarterly Journal of Mechanics and Applied Mathematics, Scientific Reports, SIAM Undergraduate Research Online, Soft Matter, Theoretical and Computational Fluid Dynamics

### **Educational outreach:**

- Faculty advisor for Research Experiences for Undergraduates (REU), UW-Madison, Summer 2013 and Summer 2015
- Faculty leader for undergraduate COMAP Mathematical Contest in Modeling at UW-Madison
- Presented at Kauai Community College on “The Mathematics of Love,” 2019
- Judge, Kauai Regional Science and Engineering Fair, Seniors and Juniors, 2019
- Participant in UW-Madison outreach to Puerto Rico via Partnerships for Research and Education in Materials (NSF - PREM), Fall 2012-present
- Presented at the UW Research Computing Workshop on Matlab/Mathematica, Sept. 2015
- Presented at the 50th Annual Wisconsin Math/Engineering/Science Talent Search Honors Day on “The Mathematics of Love,” May, 2014
- Presented in the UW Microbiology club on “Swimming in viscous fluids,” October, 2014
- UW Math Circle (lecture for middle- and high-school students on “Random walks: how gamblers lose and microbes diffuse”), University of Wisconsin-Madison, Fall 2012
- cSplash High School Festival (lecture on “Random Walks and Brownian Motion”) New York University, Spring 2008
- High School Honors Institute (lecture on “Interacting Population Dynamics”) University of Colorado, Summer 2002
- Lectures in Physical Biology, Shanghai Jiao Tong University, Spring 2012

### GRANTS

#### *Workshop: Mathematical Fluids, Materials, and Biology*

Role: PI (co-PIs Alben, Thomases, Veer- apaneni)      Award period: 06/12/18–06/14/18  
 Source: NSF DMS-1903035      Total award amount: \$22,500

#### *Multi-Scale Models for Membrane Fission Catalyzed by the Endosomal Sorting Complexes Required for Transport*

Role: PI (co-PIs Cui, Audhya)      Award period: 07/01/17–06/31/21  
 Source: NSF/NIH: DMS/NIGMS      Total award amount: \$1,200,000

#### *Configurations and dynamics of deformable particles in a liquid crystal*

Role: PI (co-PI Graham)      Award period: 01/2015–06/2017  
 Source: NSF MRSEC Seed Grant      Total award amount: \$193,162

### ADVISING ACTIVITIES

#### Postdocs:

- Perna Gera (UW-Madison)
- Arthur Evans (UW-Madison)

#### Graduate Students:

- Bryan Crompton (UW-Madison)
- Faustine Gomand (visiting student, University of Lorraine, France, 2018)



- Lei Li (UW-Madison) [John Nohel Prize in Applied Mathematics, UW-Madison, 2015]
- Wilson Lough (UW-Madison), UW-Madison, 2017-
- Will Mitchell (UW-Madison) [John Nohel Prize in Applied Mathematics, UW-Madison, 2017]
- Tom Morrell (UW-Madison)

Undergraduate students:

- Rujeko Chinomona (REU student at UW-Madison from Georgia College)
- Chris DuPre (UW-Madison)
- Shiyang Fang (REU student at UW-Madison)
- Weiqiao Han (REU student at UW-Madison from UC Berkeley)
- Janelle Lajeunesse (REU student at UW-Madison)
- Joseph Lukasik (UW-Madison)
- Aaron Raucher (Colorado State University)
- Austyn Simpson (UW-Madison)
- Anne Ulrich (UW-Madison), UW-Madison Hilldale Research Fellowship, 2017
- Colin Wahl (UW-Madison), UW-Madison Hilldale Research Fellowship, 2015
- Yining Wang (UW-Madison)
- Max Wrenn (UW-Madison)
- Chi Zhang (UW-Madison)
- Dake Zhang (REU student at UW-Madison)
- Yue Zhao (UW-Madison)
- Zonghao Zou (UW-Madison)