

## CURRICULM VITAE: Kyounghae Kim

### ADDRESS:

Department of Biology  
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Missouri State University  
Springfield, MO, 65897

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### EDUCATION:

Post-Doc. 2005. Cell biology/Physiology, Washington University in St. Louis, MO.  
Ph.D. 2001. Biology, Florida State University, Tallahassee, FL.  
M.A. 1993. Biological Science, Kyungpook National University, Taegu, Korea.  
B.A. 1988. Biological Science, Kyungpook National University, Taegu, Korea.

### EMPLOYMENT (RESEARCH):

2017-present Associate Dean, College of Natural and Applied Science.  
2016-present Professor, Missouri State University: "Endocytosis, membrane Trafficking, plasma membrane organization, and nanomaterial cytotoxicity."  
2011-2016 Associate Professor, Missouri State University: "Endocytosis, membrane Trafficking, eisosome organization, and nanomaterial cytotoxicity."  
2006-2011. Assistant Professor, Missouri State University: "Actin-based endocytosis and membrane organization" (Independent research).  
2002-2005. Post-doctor, Cell Biology/Physiology, Washington University: "Structure and Function of Actin Capping Protein" (John Cooper Lab)  
1996-2001. Ph.D., Biology, Florida State University: "Characterization of Titin-like protein in Smooth Muscle" (Thomas Keller lab).  
1994-1995. Special Student, Biological Science, Florida State University: "The Function of Cellular Titin in Brush Border" (Advisor: Thomas Keller).  
1990-1993. M.A., Biological Science, Kyungpook National University, Taegu, Korea. "The Effect of Transforming Growth Factor- $\beta_2$  on the Chondrogenesis and Expression of Fibronectin" (Thesis Advisor: Dr. Shinsung Kang). "The Regulatory Mechanism of Differentiation of Rat Monocytes to Macrophage" (Project Advisor: Dr. Shinsung Kang).  
1988-1990. Army service, Korea (Specialty in Biochemical Service: Biochemical Gas).

### EMPLOYMENT (TEACHING):

2017-present Associate Dean, College of Natural and Applied Science.  
2016-present Professor, Missouri State University, MO  
2011-2016 Associate Professor, Missouri State University, MO.  
2006-2011. Assistant Professor, Missouri State University, MO.  
2005-2006. Visiting Assistant Professor, Missouri State University, Springfield, MO.  
2001. Teaching Assistant, Signal Transduction of Flagella Regeneration in Green algae Chlamydomonas (Lab, L. Keller), Florida State University (FSU).

2000. Teaching Assistant, Cell motility Lab Course (Dr. Thomas Roberts), FSU.  
2000. Teaching Assistant, Cell Structure and Function (Dr. Thomas Keller), FSU.  
1990-1993 Teaching Assistant, Animal Physiology (Dr. S. Kang), Kyungpook National Univ. Korea  
1987. Assistant Teacher, Biology, Pyunglee High School, Korea.

**PROFESSIONAL ORGANIZATIONAL MEMBERSHIPS:**

- 1998-present American Society of Cell Biology.  
2008-present American Society of Microbiology.  
2010-present National Academy of Science, MO.  
2017-present Member of the Council of Colleges of Art & Science (CCAS)

**AWARD and HONORS BY Dr. Kim**

- Faculty Excellence in Research Award, College of Applied and Natural Science, 2017  
Governor's Award for Excellence in Education, 2017  
Nominated as a faculty who has made an impact on Christopher Heye's life, 2017  
Nominated as a faculty who has made a significant impact on Hannah Ingram's life, 2016  
Governor's Excellence in Teaching Award, 2016  
Excellence in Teaching Award, College of Natural Applied Science, 2016  
Outstanding Graduate Mentor nominee, 2016  
Foundation Award for Teaching, 2016  
Outstanding Graduate Mentor Award, 2015  
Student Award for Faculty Excellence, College of Natural Sciences, 2014  
Missouri State Outstanding Graduate Mentor Nominee, 2014  
Peer-selected CNAS Faculty Excellence Nominee, 2014  
Special Recognition for Exemplifying the Missouri State Experience through Student Engagement, Missouri State University, 2013  
Excellence in Teaching Award, College of Natural Applied Science, 2012  
Outstanding Member of the Faculty of Missouri State by Theta Chi Fraternity, 2008

**OUTSTANDING THESIS AWARDS by advisee students (Biology)**

- Hyoeyun McDermott 2015. Novel physical interactions of Vps1 with major intracellular traffic regulators.  
Katelyn Bartlett. 2014. TORC2 and eisosomes are spatially interdependent, requiring optimal level of PI(4,5)P2 for their integrity.  
Jacob Hayden. 2012. Vps1's implication on late endosome-to-vacuole traffic.

**OUTSTANDING TEACHING ASSISTANT AWARDS by advisee students (Biology)**

- Hyoeyun McDermott. 2014  
Katelyn Bartlett. 2013  
Michelle Williams. 2013

**DISTINGUISHED TEACHING ASSISTANT AWARD by advisee students (University)**

- Midwest Regional Distinguished Teaching Assistant Award, 2014-15 (Hyoeyun McDermott)  
Missouri State University Distinguished Teaching Assistant Award, 2014-15 (Hyoeyun McDermott)

Midwest Regional Distinguished Teaching Assistant Nominee, 2013-14 (Katelyn Bartlett)  
Missouri State University Distinguished Teaching Assistant Award, 2013-14 (Katelyn Bartlett)

**DISTINGUISHED THESIS AWARD by advisee students (University)**

Hyoeun McDermott 2015-2016. Novel physical interactions of Vps1 with major intracellular traffic regulators.

**OTHER AWARDS by advisee students (32 awards)**

- 2017 Jared Smothers, **Second place** at CNAS undergraduate symposium, MSU
- 2016 John Short, **First** Biology Undergraduate Poster Award. Arkansas INBRE 2016
- 2016 Mariel Delgado Cruz, **Outstanding Senior** Student Award Winner
- 2016. Mariel Delgado Cruz, **First place** at CNAS undergraduate symposium, MSU
- 2016. Mariel Delgado Cruz, **First place** in undergraduate student oral presentation in ASM branch meeting (Missouri, Nebraska, Kansas, and Oklahoma)
- 2016. Pelin Makaraci, **First place** in graduate student oral Presentation in ASM branch meeting (Missouri, Nebraska, Kansas, and Oklahoma)
- 2016. Pelin Makaraci, **Fourth Place** in 3MT presentation (CNAS)
- 2016. Sara Woodman, **First Prize** in 3MT presentation (CNAS)
- 2015. Justin Conover, **Outstanding Senior** Student Award Winner
- 2015. Sara Woodman, **Outstanding Senior** Student Award Winner
- 2015. Shiva Kumar Goud Gadila. **Outstanding Poster presentation award**, IDF.
- 2015. Sara Woodman. **First** prize in oral presentation at ASM Missouri Valley Meeting (Lincoln, Nebraska)
- 2014. Hyoeun Ahn. **First place** in poster presentation at CNAS Undergraduate Research Symposium at MSU
- 2014. Sara Woodman. **Second place** in poster presentation at CNAS Undergraduate Research Symposium at MSU
- 2014. Michelle Williams. **Poster presentation award** at Interdisciplinary forum, MSU
- 2014. Hyoeun Ahn. **Oral presentation award** at Interdisciplinary forum, MSU
- 2014. Hyoeun Ahn. **First place** in graduate oral presentation at the Missouri Branch of American Society of Microbiology, Kansas, MO
- 2013. Joshua Lukehart. Poster presentation award at Interdisciplinary forum, MSU
- 2013. Michelle Williams. **First place** in poster presentation at CNAS Undergraduate Research Symposium at MSU
- 2013. Katelyn Bartlett. **First place** in graduate oral presentation at the Missouri Branch of American Society of Microbiology, Colombia, MO
- 2013. Katie Schmelzle. **First place** in undergraduate oral presentation at the Missouri Branch of American Society of Microbiology, Colombia, MO
- 2013. Michelle Williams. **Second** place in undergraduate oral presentation at the Missouri Branch of American Society of Microbiology, Colombia, MO
- 2012. Brandon Tenay. **Second** place in oral presentation at the Missouri Branch of American Society of Microbiology, St. Joseph, MO
- 2012. Alexis Brummett. **First** place in poster presentation at CNAS Undergraduate Research Symposium at MSU
- 2011. Erin Murphy. **First** place in oral presentation at the Missouri Branch of American Society of Microbiology, St. Louis, MO

- 2011. Jacob Hayden. **Second** place in oral presentation at the Missouri Branch of American Society of Microbiology, St. Louis, MO
- 2011. Joshua Lukehart. **First** place in poster presentation at CNAS Undergraduate Research Symposium at MSU
- 2010. Jacob Boxberger. **Second** winner in biology presentation at CNAS undergraduate Research symposium at MSU
- 2010. Chitra Kamble. **Second** winner (Graduate) in ASM
- 2010. Erin Murphy. **First** winner (Graduate) at ASM
- 2009. Sandhya Jain. **Second** winner (Graduate) at ASM (American Society of Microbiology) MO-branch meeting. Columbia, MO
- 2009. Erin Murphy. **Second** winner (Undergraduate) at ASM, Columbia, MO

**GRADUATE STUDENTS mentored by Dr. Kim:**

A. Graduate Advisees completed: 19

- 1) Srikant Nannapaneni (2006- 2008).
- 2) Sandhya Jain (2008-2009)
- 3) Daobing Wang (2008- 2010)
- 4) Christopher Berg (2009- 2010)
- 5) Chitra Kamble (2009-2010)
- 6) Erin Murphy (2009-2011)
- 7) Chad Highfill (2010-2011)
- 8) Jacob Hayden (2010-2012)
- 9) Joshua Lukehart (2011-2013)
- 10) Brandon Tenay (2011-2013)
- 11) Katelyn Donley (2012-2014)
- 12) Michelle Williams (2013-2014)
- 13) Hyoeun McDermott (2013-2014)
- 14) Christopher Trousdale (2013-2015)
- 15) Suzanne Agsunod (2014-2015)
- 16) Shiva Kumar Goud Gadila (2013-2015)
- 17) Bryan Banh (2014-2016)
- 18) Uma Saimani (2015-2016)
- 19) Sara Woodman (2015-2017)

B. Advisor and current:

- 1) Pelin Makaraci (2014-present)
- 2) Mariel Delgado (2016-present)
- 3) John Short (2017-Present)
- 4) Jared Smothers (2017-present)
- 5) Sravya Kottapalli (2017-present)

C. On thesis committee and have finished: 66

Vinit Patil (2006), Carrie Vause (2006), Lauren Langford (2007), Stacy freeman (2007), Srikant Thalakoti (2008), Srikant Damodaram (2008), Filip Garret (2008), Ryan Cady (2008), Debra Deloach (2008), Saraschand Vadlamudi (2008), Ashok Valluri (2009), Amanda Herbster (2009), Clark Mallory (Chemistry, 2009), Neal Van Asch (2009), Brian Peterson (2010), Melissa Reynolds (2010), Chad Highfill (2011), Erin Murphy (2011), Sarah Nicholas (2011), Allison Overmyer (2011), Jacob Norton

Rye (2011), Joseph Kerwin (2011), Zsofia Toth (2011), Kael Smith (2011), Jacob Hayden (2012), Joseph Glenn (2012), Darin Dieckhoff (2012), Kelly Crowe (2012), Kelli Hastings (2011), Joshua Hayden (2012), Jordan Hawkins (2012), Tyler Smith (2013), Joshua Lukehart (2013), Brandon Tenay (2013), Daniel Pap (2013), Alyxandria Shibley (2013, Chemistry), Richard Wells (2013), Zach Durham (2013), Katelyn Bartlett (2014), Michelle Williams (2014), Mohammed Alshahami (2014), Chunling Cao (2014, chemistry), Hyeun McDermott (2014), Bernice Agana (2014, Chemistry), Kaleb Pearson (2014), Nick Moore (2015), David Miley (2015), Xiaozheng Dou (Chemistry, 2015), Shannon Stiles (2015), Brittany Twibell (2015), Jennifer Denson (2015), Suzanne Agsunod (2015), Chris Trousdale (2015), Kumar Gadila (2015), Bryan Banh (2016), Lindsey Koop (2016), Adalie Padgett (2016), Michelle Butts (2016), Christopher Reynolds (Chemistry, 2016), Uma Saimani (2016), Neva Agarwala (2016), Sara Woodman (2017), Taiaba Afrin (2017), Neelima Chelliboina (2017), Marshall Blank (2017), Nicholas Mundt (2017, chemistry)

D. On committee and active:

Pelin Makaraci (Biology), Angeline Rodriguez,

#### **UNDERGRADUATE STUDENT RESEARCH ADVISOR: 53 students**

**Adam Maysent** (2007-2008).

**Pittsley Delilah** (2008): Quality Engineer (<https://www.linkedin.com/in/delilahpittsley>)

**Ryan McDowell** (2008): Physician, MO

**Anne Reustle** (2008): Faculty for Neosho County Community College in Chanute, KS.

**Erin Murphy** (2008-2009): Senior Molecular Biologist at Merieux NutriSciences.

**Blake Schroeder** (2008-2009): Pipeline Operator II, Southern Star Central Gas Pipeline.

**Wesley Brundridge** (2008): Physician at San Antonio military medical center

**Shawn Moulder** (2008-2009): Physician, Trenton, MO.

**Chad Highfill** (2008-2010): Postdoctoral research at North Carolina State Univ., Raleigh.

**Tiffany Whitney** (2009):

**Lisa Trask** (2009): Physician, Cox Family Medical Care Center.

**Ryan Regelsperger** (2009): Medical Lab Scientist at CoxHealth

**Purav Trivedi** (2009).

**Mark Pence** (2009): Physician, Internal Medicine Department, Bethesda, MD.

**Jacob Boxberger** (2009-2010): PhD at Kansas City University at Medicine and Biosciences.

**Geoffrey Zahn** (2009-2010): Postdoctoral researcher at the University of Hawaii.

**Jeff Sletto** (2009-2010): Microbiologist, Chemist and Researcher, Kansas City, MO.

**Robert Colvin** (2010): MD program.

**Fred Loor** (2010-11).

**Joshua Fakilahyel** (2010-11).

**Douglas Gilliam** (2010-11).

**Elizabeth Kapustka** (2010): Concierge Manager.

**Brendon Tenay** (2010-11): Process Engineer, Thermo Fisher Scientific, Kansas.

**Sukje Lee** (2010-11): Physical Therapy program, Missouri State University.

**Joshua Lukehart** (2011): BioPharma Scientist II, Viracor-IBT Lab.

**Andrew Watkin** (2011): Dental School, UMKC.

**Sarah Dobard** (2011-2012): Graduate Research Assistant at AT Still University.

**Evin Kimberlin** (2011):  
**Hyoeyn McDermott** (2011-2013): Nursing Program at Missouri State University.  
**Alexis Brummett** (2012).  
**Michelle Williams** (2012-2013): PhD program at University of Missouri.  
**Ann Granich** (2012-2013).  
**Juliette Dennis** (2012-2013): Dental School, UMKC.  
**Katie Schmelzle** (2012-2013):  
**Yulia Karnyushina** (2013): Actor, Model, Musician, Dancer.  
**Anna Krovyakova** (2013): Hospital & Health Care Professional.  
**Courtney Hofstetter** (2013).  
**Andrew Sandoval** (2013): Dental school, UMKC.  
**Brett Alcox** (2014): System Engineer, Cerner Corporation.  
**Sara Woodman** (2014-2015): Master program, Missouri State University.  
**Emily Humphrey** (2014 Spring): Missouri State University  
**Short John** (2014-2016): Master Program, Missouri State University.  
**Justin Conover** (2014-present): PhD program, Iowa State University.  
**Ashley Smock** (2015): Missouri State University.  
**Mariel Degado Cruz** (2016): Master program, Missouri State University.  
**Brianna Steiert** (2015): William Jewell College.  
**Chelsea Campbell** (2016-2017): Missouri State University.  
**Jared Smothers** (2016-2017): Missouri State University.  
**Brett Somogye** (2016): University of Missouri.  
**Julie Curless** (2016-2017): Missouri State University.  
**Cullen Horstmann** (2017-present)  
**Ryan Windish** (2017-present)  
**Paul Balhorn** (2017-present)

#### **HIGH SCHOOL STUDENT RESEARCH:**

Racheal Choi (2010)  
Peter Liu (2011)  
Chase (2013)  
Daniel Kim (2017)

#### **RESEARCH FUNDING by advisee students:**

A. Thesis Research Grant: 21

Srikant Nannapaneni (2007), Sandhya Jain (2008), Daobing Wang (2008).  
Christopher Berg (2009), Chitra Kamble (2009), Erin Murphy (2009), Chad Highfill (2010), Jacob Hayden (2010), Elizabeth Kapustka (2011), Joshua Lukehart (2011), Brandon Tenay (2011), Michelle Williams (2013), Katelyn Bartlett (2013), Shiva Kumar Gadila (2014), Hyoeyn Ahn (2014), Christopher Trousdale (2014), Bryan Banh (2014), Pelin Makaraci (2015), Uma Saimani (2015), Sara Woodman (2016), Mariel Delgado Cruz (2016)

B. Topping Summer Research/teaching Fellowship: 13

Sandhya Jain (2008), Delilah Pittsley (2008), Daobing Wang (2009),  
Chitra Kamble (2009), Erin Murphy (2009), Jacob Hayden (2011), Joshua Lukehart (2011), Michelle Williams (2013), Katelyn Bartlett (2013), Hyoeyn McDermott (2014),

- Uma Saimani (2015), Mariel Delgado Cruz (2017), Jared Smothers (2017)  
C. Undergraduate Summer Research Fellowship: 3  
Jacob Boxberger (2010), Sara Woodman (2015), Chelsea Campbell (2017)

**Committee Chair for STUDENT THESIS (20 theses)**

- 2017 Pelin Makaraci  
2017 Sara Woodman. Yeast membrane lipid imbalance leads to trafficking defects toward the Golgi.  
2016 Uma Saimani. “Yeast dynamin associated with the GARP tethering complex for endosome-to-Golgi traffic”.  
2016 Bryan Banh. “Yeast dynamin functions with ESCRT-II at the endosome and potential roles with novel binding partners”.  
2015 Shiva Kumar Goud Gadila. “Dynamin Association with clathrin and its physiological roles at the Golgi and targeting mechanism to the Golgi.”  
2015 Suzanne Agsunod. “Mechanism of host and viral IL-10 suppressing anti-viral cytokines IFN- $\alpha$  and IFN- $\beta$ .”  
2015 Chris Trousdale. “Functional connection between yeast dynamin and retromer at the Endosome.”  
2014 Hyoeun McDermott. “Novel physical interactions of Vps1 with major intracellular traffic regulators.”  
2014 Michelle Williams. “Yeast dynamin functions with clathrin at the Golgi.”  
2014. Katelyn Bartlett. “TORC2 and eisosomes are spatially interdependent, requiring optimal level of PI(4,5)P2 for their integrity.”  
2013. Brendon Tenay. “Inactivation of tor proteins affects the dynamics of endocytic proteins in early stage of endocytosis.”  
2013. Joshua Lukehart. “Vps1, a novel recycling factor for the traffic of early endosome to late Golgi.”  
2012. Jacob Hayden. “Vps1’s implication on late endosome-to-vacuole traffic.”  
2011. Erin Murphy. “Pil1, an eisosome organizer, plays an important role in the recruitment of synaptojanins and amphiphysins to facilitate receptor-mediated endocytosis.”  
2011. Chad Highfill. “Vps1’s implication in early endosomal trafficking to the Golgi in *Saccharomyces cerevisiae*.”  
2010. Daobing Wang. “Vps1 on the dynamics of endocytic components and endocytic scission”  
2010. Chitra Kamble. “Requirements of Slm proteins in eisosome organization, endosome trafficking, and membrane recycling”  
2010. Christopher Berg. “The functional synergy between yeast dynamin and key membrane recycling factors”  
2009. Sandhya Jain. “Roles of Slm genes in eisosome organization and endocytosis in *Saccharomyces Cerevisiae*”  
2008. Srikant Nannapaneni. “Characterization of the role of Vps1p in endocytosis in *Saccharomyces Cerevisiae*”

**COURSE TAUGHT:**

- A. Pre-existing courses  
1. Biological Concepts (BIO 101, 3 credits)

2. Principles/biological Science (BIO102, 4 credits)
  3. Intro to Cellular Biology (BIO320, 4 credits)
  4. Advanced Topics in Biology (BIO730, 1-3 credits)
  5. Special Topics in Biology (BIO499, 1-3 credits)
- B. New courses/Seminar Courses
1. Cytoskeletal Dynamics (BIO728, 2 credit)
  2. Cell Movement (BIO 728, 2 credit)
  3. Membrane dynamics (BIO 728, 2 credit)
  4. Cell organization (BIO 730, 3 credit)
  5. Recent advances in biology (BIO728, 2 credit)
  6. Eosome and trafficking (BIO730, 3 credit)
  7. Study of cellular dynamics (BIO728, 2 credit)
  8. Protein targeting (BIO728, 2 credit)
  9. Cancer cell Motility (BIO597/697, 2 credit): 2014, 2016 spring
  10. Inner Cell Traffic (BIO597/697, 2 credit):2014 Fall
  11. New Cancer therapy (BIO597/697, 2 credit):2015 Spring
  12. Biotech/Micro Colloquium (BIO597/697, 2 contact hours): 2017 Spring
  13. Membrane fusion (BIO730, 3 credit): 2017 Summer

**PEER-REVIEWED PUBLICATION at MSU: (\*Graduate Student; \*\*Undergraduate Student)**

35. Sara Woodman\* and **Kyungtae Kim**. 2017. *In Press*. SM Journal of Biology. Membrane Lipids: Implication for diseases and Membrane Trafficking.
34. Sara Woodman\*, Christopher Trousdale\*, Justin Conover\*\*, and **Kyungtae Kim**. 2017. *Submitted*. BBA Molecular Cell Research. Yeast Membrane Lipid Imbalance Leads to Trafficking Defects toward the Golgi
33. Christopher Trousdale\*, Mariel Delgado Cruz\*, Shiva Kumar Goud Gadila\*, Uma Saimani\*, and **Kyungtae Kim**. 2017. The functional relationship between the retromer and yeast dynamin at the endosome. Vol 5 Issue 6, p12-23. International Journal of Science and Technology.
32. Uma Saimani\*, Pelin Makaraci\*, Jared Smothers\*\*, Hyoeun McDermott\*, and **Kyungtae Kim**. 2017. Yeast dynamin associates with the GARP tethering complex for endosome-to-Golgi traffic. *Eur J Cell Biol*. 2017 May 8. pii: S0171-9335(16)30279-5. doi: 10.1016/j.ejcb.2017.04.004. [Epub ahead of print]
31. Uma Saimani\* and **Kyungtae Kim**. 2017. Traffic from the endosome towards *trans*-Golgi Network. *Eur J Cell Biol*. 2017 Feb 24. pii: S0171-9335(16)30278-3. doi: 10.1016/j.ejcb.2017.02.005.
30. Shiva Kumar Goud Gadila\*, Michelle Williams\*, Uma Saimani\*, Mariel Delgado Cruz\*\*, Pelin Makaraci\*, Hyoeun McDermott\*, and **Kyungtae Kim**. 2017. Yeast dynamin Vps1 associates with clathrin to facilitate vesicular trafficking and controls Golgi homeostasis. *Eur J Cell Biol*. 2017 Feb 22. pii: S0171-9335(16)30241-2. doi: 10.1016/j.ejcb.2017.02.004.
29. Bryan T Banh\*, Hyoeun McDermott\*, Sara Woodman\*, Chris Trousdale\*, Shiva Kumar Goud Gadila\*, Uma Saimani\*, John CW Short\*\*, and **Kyungtae Kim**. Dynamin interaction with ESCRT proteins at the endosome. 2017. *Cell Biol Int*. 2017 Feb 9. doi: 10.1002/cbin.10738.
28. Bryan T Banh\*, Hyoeun McDermott\*, Michelle Williams\*, Shiva Kumar Goud Gadila\*, **Kyungtae Kim**. Yeast two-hybrid library screen reveals novel binding partners of



- Vps1 and links Vps1 to a novel role in budding. **2016**. Vol4, Issue 9, P14-20. Int. Journal of Sci and Tech.
27. Shiva Kumar Goud Gadila\* and **Kyoungtae Kim**. Cargo trafficking from trans-Golgi network toward the endosome. **2016**. Vol108, Issue 8. P205-218. Biology of the Cell.
  26. Sara Woodman\*\*, John Short\*\*, Shiva Kumar Goud Gadila\*, Hyoeun McDermott\*, Alexander Linan\*\*, Katelyn Bartlett\*, Katie Schmelzle\*\*, Adam Wanekaya and **Kyoungtae Kim**. Carbon Nanomaterials Alters Gene Expression Profiles. **2016**. Vol16, number 5. pp. 5207-5217. J. of Nanoscience and Nanotechnology.
  25. Christopher Trousdale\* and **Kyoungtae Kim**. Retromer: Structure, Function, and Roles in Mammalian Disease. **2015**. Nov; 94(11):513-21. E Journal of Cell biology.
  24. Hyoeun McDermott\* and **Kyoungtae Kim**. Molecular Dynamics at the Endocytic Portal and Regulations of Endocytic and Recycling Traffics. **2015**. Vol. 94, Issue 6, June, P235-48. E. Journal of Cell Biology.
  23. Katelyn Bartlett\*, Shiva Kumar Goud Gadila\*, Brandon Tenay\*, Hyoeun McDermott\*, Brett Alcox\*\*, and **Kyoungtae Kim**. TORC2 and eisosomes are spatially interdependent, requiring optimal level of PI(4,5)P<sub>2</sub> for their integrity. **2015**. Vol.40, Issue 2, P299-311. Journal of Bioscience.
  22. Michelle Williams\* and **Kyoungtae Kim**. From membranes to organelles: emerging roles for Dynamin-like proteins in diverse cellular processes. **2014**. Vol. 93, Issue 7, July, P267-277. E. Journal of Cell Biology.
  21. Katelyn Bartlett\* and **Kyoungtae Kim**. Insight into Tor2, a budding yeast microdomain protein. **2014**. Volume 93, Issue 3, March, P87–97. E. Journal of Cell Biology.
  20. Joshua Lukehart\*, Chad Highfill\*, and **Kyoungtae Kim**. Vps1, a Recycling Factor for the Traffic from Early Endosome to the Late Golgi. **2013**. Dec; 91(6):455-65. Biochemistry and Cell Biology
  19. Tenay Brandon\*, Kimberlin Evin\*\*, Williams Michelle\*\*, Dennis Juliette\*\*, Joshua Fakilahyel\*\*, and **Kim Kyoungtae**. Inactivation of Tor proteins affects the dynamics of endocytic proteins in early stage of endocytosis. **2013**. 38(2), 351-361. Journal of Bioscience.
  18. Alexis Brummett\*\*, Michelle Williams\*\*, Jacob Hayden\*, **Kyoungtae Kim**. Implication of yeast dynamin-related protein Vps1 in endocytosis and organelle fission. **2013**. V2 (1). The International Journal of Science and Technology.
  17. Jacob Hayden\*, Michelle Williams\*\*, Ann Granich\*\*, Hyoeun Ahn\*\*, Brandon Tenay\*, Joshua Lukehart\*, Chad Highfill\*, Sarah Dobard\*\*, and **Kyoungtae Kim**. Vps1 in the late endosome-to-vacuole traffic. **2013**. 38(1), 73-83. Journal of Bioscience.
  16. Erin Murphy\* and **Kyoungtae Kim**. Insights into eisosome assembly and organization. **2012**. V37(2), June, p 295-300. Journal of Bioscience.
  15. Joseph Harvey\*, Lifeng Dong, **Kyoungtae Kim**, Jacob Hayden\*, and Jianjie Wang. Uptake of Single-Walled Carbon Nanotubes Conjugated with DNA by Microvascular Endothelial Cells. **2012**. doi:10.1155/2012/196189. Journal of Nanotechnology.
  14. Erin R. Murphy\*, Jacob Boxberger\*\*, Robert Colvin\*\*, Suk Je Lee\*\*, Geoffrey Zahn\*\*, Fred Loor\*\*, and **Kyoungtae Kim**. Pil1, an eisosome organizer, plays a key role in the recruitment of synaptojanins and amphiphysins to facilitate receptor-mediated endocytosis in yeast. *Vol 90, 825-833, 2011 (October)*. E Journal of Cell biology.
  13. Daobing Wang\*, Jeff Sletto\*\*, Brandon Tenay\*\*, and **Kyoungtae Kim**. Yeast dynamin implicated in endocytic scission and the disassembly of endocytic components. *4:2, 178-*

- 181; March/April, 2011. Communicative and integrative Biology.
12. Chitra Kamble\*, Sandhya Jain\*, Erin Murphy\*\*, and **Kyoungtae Kim**. Requirements of Slm proteins for proper eisosome organization, endocytic trafficking, and recycling. Vol 36(1), March/April 2011, 79-96. Journal of Bioscience.
  11. Nannapaneni Srikant\*, Wang Daobing\*, Jain Sandhya\*, Schroeder Blake\*\*, Highfill Chad\*\*, Reustle Lindsay\*\*, Pittsley Delilah\*\*, Maysent Adam\*\*, Moulder Shawn\*\*, McDowell Ryan\*\*, and **Kyoungtae Kim**. The yeast dynamin-like protein Vps1:*vps1* mutations perturb the internalization and the motility of endocytic vesicle and endosome via the disorganization of actin cytoskeleton. 2010. Jul:89(7):499-508. E. Journal of Cell Biology.
  10. **Kyoungtae Kim**, Michelle E. McCully, Nandini Bhattacharya, Boyd Butler, David Sept and John A. Cooper. Structure/Function Analysis of the Interaction of PIP2 with Actin Capping Protein: Implication for how Capping Protein Binds the Actin Filament. 2007. *Journal Biological Chemistry*. 282, 5871-5879
  9. Sarawit Bruck, Tobias Huber, Rob Ingham, **Kyoungtae Kim**, Hanspeter Niederstrasser, Paul Allen, Tony Pawson, John Cooper, Audrey S. Shaw. 2006. Identification of a Novel Inhibitory Actin-Capping Protein Binding Motif in CD2-associated Protein. *J. Biol. Chem.* 2006. Vol. 281, Issue 28, 19196-19203.
  8. **Kyoungtae Kim**, Brian J. Galletta, Kevin O. Schmidt, Fanny S. Chang, Kendall J. Blumer and John A. Cooper. 2006. Actin-based Motility during Endocytosis in Budding Yeast. *Molecular Biology of Cell*. 2006. Vol.17, 1354-1363.
  7. David A. Canton, Mary Ellen K. Olsten, **Kyoungtae Kim**, Amanda Doherty-Kirby, Gilles Lajoie, John A. Cooper and David W. Litchfield. 2005. The Pleckstrin Homology Domain-Containing Protein CKIP-1 is Involved in Regulation of Cell Morphology and the Actin Cytoskeleton and Interactions with Actin Capping Proteins. *Molecular and Cellular Biology*. 2005. May Vol 25 (9);3519-3534.
  6. Chi RJ, Olenych SG, **Kim KT**, Keller TC 3rd. 2005. Smooth Muscle alpha Actinin Interaction with Smitin. *Int J Biochem Cell Biol*. 2005. Jul;37(7):1470-82
  5. **Kyoungtae Kim**, Peng Hou, Jerome L. Gorski, John A. Cooper. Effect of Fgd1 on Cortactin in Arp2/3 Complex-mediated Actin Assembly. 2004. *Biochemistry*. Mar 9; 43(9): 2422-7.
  4. **Kyoungtae Kim**, Atsuko Yamashita, Martin A. Wear, Yuichiro Maeda, John A. Cooper. 2004. Capping Protein Binding to Actin in Yeast: Biochemical Mechanism and Physiological Relevance. *J Cell Biol*. Feb 16; 164(4): 567-80. Epub 2004 Feb 09.
  3. Wear MA, Yamashita A, **Kim KT**, Maeda Y, Cooper JA. 2003. How Capping Protein Binds the Barbed End of the Actin Filament. *Curr Biol*. Sep 2; 13(17): 1531-7.
  2. **Kyoungtae Kim** and Thomas C.S. Keller. 2002. Smitin, a Novel Smooth Muscle Titin-like Protein, Interacts with Myosin Filaments *in vivo* and *in vitro*. *J Cell Biol*. 156: 101-111.
  1. Keller, T.C.S., K, Eilertsen, M, Higginbotham, S, Kazmierski, **K.T. Kim**, and M, Velichkova. 2000. Role of Titin in Non-muscle and Smooth Muscle Cells. *Adv Exp Med Biol*. 481: 265-77.

**NON-PEER-REVIEWED PUBLICATION at MSU: (\*\*Undergraduate Student)**

1. Chad Highfill\*\* and **Kyoungtae Kim**. 2009. P25-31. Vol2. LOGOS (MSU). Vps1 functions in intracellular trafficking during endocytosis.

**INVITED RESEARCH SEMINAR PRESENTATION: (\*Graduate Student; \*\*Undergraduate Student)**

- Kyoungtae Kim. 2015. June 28. Carbon nanomaterials negatively affect cell viability and gene Expression. Talk at the Sixteenth International Conference on the Science and Application of Nanotubes, Nagoya, Japan.
- Kyoungtae Kim. 2014. Apr 7. Dynamin-like protein Vps1 in vesicular traffic. Wichita State University, Kansas.
- Katelyn Bartlett\*, Kyoungtae Kim, and Katie Schmelzle\*. 2013. Carbon nano tubes toxicity in yeast, Springfield, MSU.
- Kyoungtae Kim. 2012. Oct 31. Dynamin-like protein Vps1 in intracellular traffics. Williams Baptist College, Walnut Ridge, AK.
- Kyoungtae Kim. 2012. Oct 1. Implication of Dynamin-like Protein Vps1 in Endocytic and Recycling traffics. Department of Biology. Missouri Science and Technology, Rolla, MO
- Kyoungtae Kim. 2011, Oct 13. Yeast dynamin-like protein Vps1 in endocytic and recycling traffics. University of Missouri, Kansas City, MO
- Kyoungtae Kim, Daobing Wang\*, Jeff Sletto\*\*, Jacob Hayden\*, Brandon Tenay\*\*. 2010. Nov. Yeast dynamin in endosomal trafficking. The Department of Cell Physiology and Biophysics, University of Arkansas Medical School, Little Rock, Arkansas.
- Kyoungtae Kim, S. Nannapaneni\*, S. Jain\*, D. Pittsley\*\*, A. Maysent\*\*, and R. McDowell\*\*. 2008. New insights into the endocytic roles of yeast dynamin-like protein Vps1. The Department of Biochemistry, University of Kansas Medical School, KA.

**PRESENTATIONS since employment at MSU: (\*Graduate Student; \*\* Undergraduate Student):  
127 presentations**

**2017**

- Jared Smothers, Uma Saimani, and Kyoungtae Kim. 2017. Dynamic dynamin interacts with the tether GARP. CNAS Undergraduate Research Symposium. April, 2017
- Chelsea Campbell, Daniel S Kim, and Kyoungtae Kim. 2017. Differential Gene Expression profile Saccaromyces cerevisiae exposed to Ag and CdSe/ZnS nanoparticles. CNAS Undergraduate Research Symposium. April, 2017
- Sara Woodman, Justin Conover, Chris Trousdale, Kyoungtae. Endosome to Golgi trafficking requires optimal levels of lipids. 2017 ASM Branch meeting. Springfield, MO.
- John Short, Kyoungtae Kim. Dull-length Vps1 targets Golgi and endosomes, not endocytic sites. 2017 ASM Branch meeting. Springfield, MO.
- Pelin Makaraci, Kyoungtae Kim, Hyeon McDermott. Yeast dynamin and Ypt6 in parallel pathways during protein recycling from the early endosomes to the late Golgi. 2017 ASM Branch meeting. Springfield, MO.
- Jared Smothers, Uma Saimani, Kyoungtae Kim. The Golgi organizer, Vps1, functions together with the tethering GARP. 2017 ASM Branch meeting. Springfield, MO.
- Mariel Delgado Cruz, Shiva Kumar Goud Gadila, Uma Saimani, John short, Hyeon McDermott, Kyoungtae Kim. Yeast dynamin Vps1 association with clathrin: an important interaction for Golgi homeostasis. 2017 ASM Branch meeting. Springfield, MO.
- Chelsea Campbell, Julie Curless, Daniel Kim, Kyoungtae Kim. Investigating the effects of nanomaterials in yeast. 2017 ASM Branch meeting. Springfield, MO.

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**2016**

- Pelin Makaraci\*, Hyoeun McDermott\*, Mariel Delgado Cruz\*, Kyoungtae Kim. Yeast dynamin for the fusion of endosome-derived vesicles at the Golgi. American Society of Cell Biology, 2016. San Francisco, CA.
- Uma Saimani\*, Jared Smothers\*\*, Kyoungtae Kim. Vps1 functions with the GARP tethering complex for endosome-to-Golgi traffic. American Society of Cell Biology, 2016. San Francisco, CA.
- Sara Woodman\*, Justin Conover\*\*, Chris Trousdale\*, Kyoungtae Kim. Yeast membrane lipid imbalance leads to trafficking defect toward the Golgi. American Society of Cell Biology, 2016. San Francisco, CA.
- Shiva Gadila\*, Uma Saimani\*, M.A. Williams\*, M. Delgado Cruz\*\*, P. Makaraci\*, Kyoungtae Kim. Yeast dynamin association with clathrin and its physiological roles. American Society of Cell Biology, 2016. San Francisco, CA.
- Mariel Delgado Cruz\*, Shiva Kumar Goud Gadila\*, Uma Saimani\*, Michelle Williams\*, Pelin Makaraci\*, and Kyoungtae Kim. Yeast dynamin Vps1 associates with clathrin to facilitate vesicular trafficking and controls Golgi homeostasis. Arkansas INBRE research Conference, 2016, Fayetteville, AR
- Uma Saimani\*, Jared Smothers\*\*, and Kyoungtae Kim. Vps1 functions with the GARP tethering complex for endosome -to- Golgi traffic. Arkansas INBRE research Conference, 2016, Fayetteville, AR
- Pelin Makaraci\* and Kyoungtae Kim. Yeast dynamin for the fusion of endosome-derived vesicles at the Golgi. Arkansas INBRE research Conference, 2016, Fayetteville, AR
- Sara E. Woodman\*, Justin Conover\*\*, Chris Trousdale\*, and Kyoungtae Kim. Yeast Membrane Lipid Imbalance Leads to Trafficking Defects toward the Golgi. Arkansas INBRE research Conference, 2016, Fayetteville, AR
- John Short\*\* and Kyoungtae Kim. Subcellular Targeting and Physiological Significance of Dynamin-like Protein, Vps1. Arkansas INBRE research Conference, 2016, Fayetteville, AR
- Pelin Makaraci\* and Kyoungtae Kim. Yeast dynamin GTPase for the fusion of endosome-derived vesicles at the Golgi. 2016. IDF, MSU.
- Uma Saimani\* and Kyoungtae Kim. Functional connection between Vps1 and GARP Vps51 at the Golgi in budding yeast. 2016. IDF, MSU.
- Sara Woodman\* and Kyoungtae Kim. Membrane lipid imbalance in *Saccharomyces cerevisiae* leads to trafficking defects toward the Golgi. 2016. IDF, MSU.
- Mariel Delgado Cruz\*\*, Chris Trousdale\*, and Kyoungtae Kim. Understanding the functional relationship between the retromer complex and Vps1. CNAS Symposium, April. 2016.
- John Short\*\* and Kyoungtae Kim. Subcellular localization and function of truncated Vps1 informs physiological significance of dynamin-like proteins. CNAS Symposium, April. 2016.
- Mariel Delgado Cruz\*\*, Chris Trousdale\* and Kyoungtae Kim. Understanding the functional relationship between the retromer complex and Vps1. Annual Meeting of the Missouri Valley Branch and The Missouri Branch of the American Society of Microbiology (March, 2016).
- Bryan Banh\*, Hyoeun McDermott\*, Shiva Kumar Goud Gadila\*, and Kyoungtae Kim. Characterization of Vps1 Domain Interaction with ESCRT Subunits. ASM. Kansas.

- Uma Saimani\*, Ashley Smock\*\* and Kyoungtae Kim. Functional Connection between Vps1 and GARP Vps51 at the Golgi in Budding Yeast. ASM. Kansas.
- Pelin Makaraci\*, Aria H. McDermott\*, and Kyoungtae Kim. Dynamin Acts Downstream of Ypt6 for Membrane Fusions. ASM. Kansas.
- Sara Woodman\*, Justin Conover\*\*, Chris Trousdale\*, and Kyoungtae Kim. Membrane Lipid Imbalance in *Saccharomyces cerevisiae* Leads to Trafficking Defects toward the Golgi. ASM. Kansas.
- John Short\*\*, Shiva Kumar Goud Gadila\*, and Kyoungtae Kim. Hitting the Target: Biochemical Interaction of Vps1 and the Golgi. ASM. Kansas.
- John Short\*\* and Kyoungtae Kim. Fullerenols alter growth and gene expression of yeast cells. JVIC-CNAS Symposium, February 24, 2016. Jordan Valley Innovation Center.

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**2015**

- Bryan Banh\*, Hyoeun McDermott\*, Shiva Kumar Goud Gadila\*, and Kyoungtae Kim. 2015. Yeast dynamin interacts with subunits of ESCRT complexes and with novel binding proteins. *Arkansas InBre. Fayetteville, AK.*
- Shiva Kumar Goud Gadila\*, Michelle Williams\*, Hyoeun McDermott\*, John short\*\*, Mariel Delgado Cruz\*\*, and Kyoungtae Kim. 2015. Physical interaction between the scission protein dynamin and the coat protein clathrin at the TGN in *Saccharomyces cerevisiae*. *Arkansas InBre. Fayetteville, AK.*
- Sara Woodman\*, Justin Conover\*\*, Chris Trousdale\*, and Kyoungtae Kim. 2015. Lipid Homeostasis required for proper protein recycling. *Arkansas InBre. Fayetteville, AK.*
- Pelin Makaraci\*, Hyoeun McDermott\*, and Kyoungtae Kim. 2015. Rab GTPase and dynamin function together at the late Golgi in Yeast. *Arkansas InBre. Fayetteville, AK.*
- Uma Saimani\*, Ashley Smock\*\*, and Kyoungtae Kim. 2015. Physical interaction between Vps1 and GARP Vps51 at the Golgi in *Saccharomyces cerevisiae*. *Arkansas InBre. Fayetteville, AK.*
- Kyoungtae Kim, Sara Woodman\*\*, and Short John\*\*. Carbon nanomaterials negatively affect cell viability and gene Expression. 2015. The Sixteenth International Conference on the Science and Application of Nanotubes, Nagoya, Japan.
- John short\*\* and Kyoungtae Kim. Fullerenol induced changes in mRNA and growth of yeast cells. 2015. MSU nano research workshop.
- Sara Woodman\*\* and Kyoungtae Kim. The effect of carbnn nanotubes on yeast growth and gene expression. 2015. MSU nano research workshop.
- Chris Trousdale\*, Hyoeun Mcdermott\*, Katie Schmelzle\*\*, Katelyn Bartlett\*, and Kyoungtae Kim. Functional connection between yeat dynamin and retromer at the endosome. 2015. IDF, MSU
- Bryan Banh and Kyoungtae Kim. Novel yeast dynamin binding proteins. 2015. IDF, MSU
- Shiva Kumar Goud Gadila\*, Michelle Williams\*, Hyoeun McDermott\*, and Kyoungtae Kim. Yeast dynamin and clathrin interaction. 2015. IDF, MSU (**Outstanding poster presentation Award**)
- Pelin Makaraci\*, Hyoeun McDermott\*, and Kyoungtae Kim. Vps1 in action with the membrane fusion machinery at the late Golgi. 2015. IDF, MSU
- Uma Saimani\*, Pelin Makaraci\*, and Kyoungtae Kim. Interaction study of Vps1 with GARP Vps51. 2015. IDF, MSU
- Justin Conover\*\*, Chris Trousdale\*, and Kyoungtae Kim. Changes in membrane lipid

- composition disrupt yeast protein recycling. 2015. CNAS symposium, MSU
- John, C. W\*\*. Short and Kyoungtae Kim. Fullerenols alter growth and protein activity in yeast cells. 2015. CNAS symposium, MSU
- Sara E. Woodman\*\* and Kyoungtae Kim. Toxicity of carbon nanotubes to budding yeast. 2015. CNAS symposium, MSU
- Pelin Makaraci\* and Kyoungtae Kim. Vps1 and Cytosolic Protein Interactions During Protein Recycling. 2015. ASM Missouri Valley. Lincoln, Nebraska
- Bryan Banh\*, Hyoeun McDermott\*, Shiva Kumar Goud Gadila\*, and Dr. Kyoungtae Kim. Novel yeast dynamin binding proteins. 2015. ASM Missouri Valley. Lincoln, Nebraska
- Shiva Kumar Goud Gadila\*, Michelle Williams\*, Hyoeun McDermott\*, and Kyoungtae Kim. Yeast dynamin and Clathrin interaction. 2015. ASM Missouri Valley. Lincoln, Nebraska
- John Short\*\*, Sara Woodman\*\*, and Kyoungtae Kim. Fullerenols Impact Cell Growth and Gene Expression of *Saccharomyces cerevisiae*. ASM Missouri Valley. Lincoln, Nebraska
- Sara E. Woodman\*\* and Kyoungtae Kim. The Effects of Carbon Nanotube Exposure on Cell Growth and Gene Expression of *Saccharomyces cerevisiae*. 2015. ASM Missouri Valley. Lincoln, Nebraska (**Won First prize award in undergraduate oral presentation**)
- Christopher R. Trousdale\* and Kyoungtae Kim. Functional Connection between Yeast Dynamin and Retromer at the endosome. 2015. ASM Missouri Valley. Lincoln, Nebraska
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## 2014

- Hyoeun McDermott\* and Kyoungtae Kim. Novel Physical Interaction of Vps1 with Major Intracellular Traffic Regulators. 2014. *Arkansas InBre. Fayetteville, AK*.
- Christopher Trousdale\*, Katie Schmelzle\*\*, Hyoeun McDermott\*, and Kyoungtae Kim. Retrograde transport: Defining the Relationship and Recruitment of the Retromer Complex and Vps1 in *Saccharomyces cerevisiae*. 2014. *Arkansas InBre. Fayetteville, AK*
- Bryan Banh\*, Hyoeun McDermott\*, Kumar Gadila\*, and Kyoungtae Kim. Yeast Two-Hybrid Screen for VPS1 Protein Interactions. 2014. *Arkansas InBre. Fayetteville, AK*
- Kumar Gadila\*, Michelle Williams\*, Hyoeun McDermott\*, and Kyoungtae Kim. Assessment of Functional Relationship between *VPS1* and Clathrin. 2014. *Arkansas InBre. Fayetteville, AK*
- Sara Woodman\*\*, Katelyn Bartlett\*, and Kyoungtae Kim. Examining Cytotoxicity and Gene Expression Effects of Carbon Nanotubes on *Saccharomyces Cerevisiae*. 2014. *Arkansas InBre. Fayetteville, AK*
- Sara Woodman\*\*, Hyoeun McDermott\*, John short\*\*, and Kyoungtae Kim. Effect of Fullerenols on Growth and Gene Expression in *Saccharomyces cerevisiae*. 2014. *Arkansas InBre. Fayetteville, AK*
- Sara Woodman\*\*, Katie Schmelzle\*, Katelyn Bartlett\*, and Kyoungtae Kim. Examining the Effect of Carbon Nanotubes on *Saccharomyces cerevisiae* Cell Growth and Gene Expression. 2014. 2014. CNAS symposium. (**Second prize winner in undergrad student poster presentation**).
- HyoEun Ahn\*, Michelle Williams\*, and Kyoungtae Kim. Elucidation of Vps1 Action Mode via Its Physical Interactions. 2014. 2014. IDF. Missouri State Univ. (**First prize winner in graduate student oral presentation**).
- Michelle Williams\*, Hyoeun Ahn\*, Courtney Hofstetter\*, and Kyoungtae Kim. Yeast dynamin-like protein Vps1 functions with clathrin at the Golgi. 2014. IDF. Missouri State Univ. (**received poster presentation award**).

- Katelyn Bartlett\*, Brandon Tenay\*, Brett Alcox\*\*, and Kyoungtae Kim. TORC2 and eisosomes are spatially interdependent requiring optimal level of PIP2. 2014. IDF. Missouri State Univ.
- Hyoeyun Ahn\*\* and Kyoungtae Kim. 2014. Elucidation of Vps1 action mode via its physical interaction. 2014. CNAS symposium. (First prize winner in undergrad poster presentation).
- Hyoeyun Ahn\* , Michelle Williams\*, and Kyoungtae Kim. Study of Vps1 Action Mode via Genetic and Physical Interactions. Missouri Branch of American society of microbiology. Apr 4-5, Kansas, MO. (First prize winner in graduate student oral presentation)
- Shiva Kumar Goud Gadila\*, Kyoungtae Kim. Assessment of Functional Connection Between ESCRT Proteins and Vps1 on Ste2-GFP Trafficking from Endosome to Vacuole. Missouri Branch of American society of microbiology. Apr 4-5, Kansas, MO.
- Christopher R. Trousdale\*, Katie Schmelzle\*, Kyoungtae Kim. Retrograde Transport: Defining the Relationship and Recruitment of the Retromer Complex and Vps1 in *Saccharomyces cerevisiae*. Missouri Branch of American society of microbiology. Apr 4-5, Kansas, MO.
- Sara Woodman\*\*, Katie Schmelzle\*, Katelyn Bartlett\*, and Kyoungtae Kim. Examining Cytotoxicity of Carbon Nanotubes on *Saccharomyces cerevisiae*. Missouri Branch of American society of microbiology. Apr 4-5, Kansas, MO.

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**2013**

- Katie Schmelzle\*, Brandon Tenay\*, Joshua Lukehart\*, Katelyn Bartlett\*, Michelle Williams\*, Courtney Hofstetter\*\*, and Kyoungtae Kim. Tentative Functional Relationship between Retromer and Vps1. *Arkansas InBre. Fayetteville, AK*
- Michelle Williams\*, Hyoeyun Ahn\*\*, Courtney Hofstetter\*\*, and Kyoungtae Kim. A functional role for Dynamin-like protein Vps1 at the Golgi. *Arkansas InBre. Fayetteville, AK*
- Katelyn Bartlett\*, Brandon Tenay\*, Erin Murphy\*, Kyoungtae Kim. An Interdependent Relationship between Microdomains in the Plasma Membrane of Budding Yeast. *Arkansas InBre. Fayetteville, AK*
- Hyoeyun Ahn\*\*, Michelle Williams\*, and Kyoungtae Kim. Searching for Vps1 binding partners. *Arkansas InBre. Fayetteville, AK*
- Brittany Stufflebeam\*, Katelyn Bartlett\*, Katie Schmelzle\*, Kyoungtae Kim, and Paul Schweiger. Examination of the cytotoxicity of carbon nano tubes on *Escherichia coli* and *Saccharomyces cerevisiae*. *Arkansas InBre. Fayetteville, AK*
- Joshua Lukehart\* and Kyoungtae Kim. Recycling traffic passing Golgi requires functional VPS1 protein (IDF, poster presentation winner)
- Brandon Tenay\*, Evin Kimberlin\*\*, Michelle Williams\*, Juliette Denise\*\*, Joshua Fakilahyel\*\*, and Kyoungtae Kim. Inactivation of Tor proteins affects the dynamics of endocytic proteins in early stage of endocytosis (IDF)
- Michelle Williams\*, Hyoeyun Ahn\*\*, Courtney Hofstetter\*\*, Jeff Sletto\*\*, and Kyoungtae Kim. Potential Functional Connection Between Dynamin and the Coat Protein Clathrin (CNAS Symposium, First prize winner)
- Katie Schmelzle\*\*, Brandon Tenay\*, Josh Lukehart\*, and Dr. Kyoungtae Kim. Investigation of Vps1 for the assembly of retromer implicated in the pathology of Alzheimer's disease (CNAS Symposium)
- Katelyn Bartlett\*, Brandon Tenay\*, Erin Murphy\*, and Kyoungtae Kim. Reassessment of microdomains in budding yeast (First prize winner in graduate student oral presentation). Missouri Branch of American society of microbiology. March 22-23, 2012 .Columbia, MO.

Katie Schmelzle\*\*, Brandon Tenay\*, and Kyoungtae Kim. The functional cooperation between Vps1 and the retromer for endosome-to-Golgi recycling (**First prize winner in undergraduate student oral presentation**). Missouri Branch of American society of microbiology. March 22-23, 2012. Columbia, MO.

Michelle Williams\*, Hyoeun Ahn\*\*, Jeff Sletto\*\*, and Kyoungtae Kim. Vps1 at the trans Golgi Network and functions with clathrin (**Second prize winner in undergraduate student oral presentation**). Missouri Branch of American society of microbiology. March 22-23, 2012. Columbia, MO.

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## 2012

Michelle Williams\*\*, Ann Granich\*\*, Jacob Hayden\*, Joshua Lukehart\*, Brandon Tenay\*, Kyoungtae Kim. Vps1 in the traffic of endocytosed materials toward the vacuole. Arkansas InBre, Oct 5-6, 2012. Springdale, Arkansas

Tenay, Brandon\*, Kimberlin, Evin\*\*, Williams, Michelle\*\*, Dennis, Juliette\*\*, Fakilahyel, Josh\*\*, Kim, Kyoungtae. Tor proteins are required for efficient endocytosis. Arkansas InBre, Oct 5-6, 2012. Springdale, Arkansas

Joshua Lukehart\*, Chad Highfill\*, and Kyoungtae Kim. Vps1, a Recycling Factor for the Traffic from Early Endosome to Golgi. Arkansas InBre, Oct 5-6, 2012. Springdale, Arkansas

Katelyn Bartlett\*, Brandon Tenay\*, Erin Murphy\*, and Kyoungtae Kim. Spatial relationship between eisosome and a subdomain called MCT. Arkansas InBre, Oct 5-6, 2012. Springdale, Arkansas

Jacob Hayden\*, Chad Highfill\*, Joshua Lukehart\*, Brandon Tenay\*, Sarah Dobard\*\*, and Kyoungtae Kim. The membrane pinching-off protein, Vps1, on the cellular garbage disposal traffic. Missouri Academy of Science, April, 2012. Columbia, MO

Sukje Lee\*\*, Erin Murphy\*, Brandon Tenay\*, Joshua Fakilahyel\*, and Evin Kimberlin\*, and Kyoungtae Kim. Optimal level of phosphatidylinositol 4, 5-bisphosphate is required for proper organization of the membrane compartment eisosome. April, 2012. CNAS undergraduate symposium, Missouri State University.

Kimberlin Evin\*\*, Brandon Tenay\*, and Fakilahyel Josh\*\*, and Kim Kyoungtae. Tor protein kinases affect recruitments of endocytic proteins and endocytic scission efficiency. April, 2012. CNAS undergraduate symposium, Missouri State University.

Alexis Brummett\*\*, Hyoeun Ahn\*\*, Jacob Hayden\*, Joshua Lukehart\*, and Chad Highfill\*, and Kyoungtae Kim. Vps1 localizes at cellular recycling and degradation centers. April, 2012. CNAS undergraduate symposium, Missouri State University.

Joshua Lukehart\*, Chad Highfill\*, and Kyoungtae Kim. A novel role for Vps1 in early endosome to Golgi trafficking. 2012. Missouri Branch of American society of microbiology, St. Joseph, MO.

Brandon Tenay\*, Kimberlin Evin\*\*, Fakilahyel Josh\*\*, and Kim Kyoungtae. 2012. Survey novel roles of Tor protein kinases on endocytosis. Missouri Branch of American society of microbiology, St. Joseph, MO.

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## 2011

Joseph Harvey\*, Lifeng Dong, Kyoungtae Kim, Jacob Hayden\*, Jianjie Wang. 2011. Uptake of single-walled carbon nanotubes conjugated with DNA by microvascular endothelial cells. Arkansas INBRE Research Conference, Fayetteville, Arkansas.

Jacob Hayden\*, Chad Highfill\*, Brandon Tenay\*, Sarah Dobard\*\*, Kyoungtae Kim. 2011.



- Localization of the dynamin-like protein Vps1 and its implication in endosomal trafficking. Arkansas INBRE Research Conference, Fayetteville, Arkansas.
- Joshua Lukehart\*, Jacob Hayden\*, Chad Highfill\*, and Kyungtae Kim. 2011. Disruption of Snc1 recycling via Vps1 mutations and search for Vps1 binding partners in membrane recycling pathway. Arkansas INBRE Research Conference, Fayetteville, Arkansas.
- Brandon Tenay\*, Evin Kimberlin\*\*, Fakilahyel Joshua\*\*, Kyungtae Kim. 2011. Tor proteins are required for the integrity of eisosome and endocytosis. Arkansas INBRE Research Conference, Fayetteville, Arkansas.
- Elizabeth Kapustka\*, Erin Murphy\*, Brandon Tenay\*, Fakilahyel Joshua\*\*, Evin Kimberlin\*\*, Kyungtae Kim. 2011. Membrane lipids on the organization of eisosome and spatial relationship between eisosome and membrane compartments. Arkansas INBRE Research Conference, Fayetteville, Arkansas.
- Jacob Hayden\*, Chad Highfill\*, Brandon Tenay\*\*, Kyungtae Kim. 2011. Vps1's role in endosomal trafficking. The Missouri branch of American Society of Microbiology Conference, St. Louis, MO.
- Chad Highfill\*, Joshua Lukehart\*\*, Brandon Tenay\*\*, and Kyungtae Kim. 2011. Vacuolar sorting protein one is implicated in early endosome to Golgi trafficking. The Missouri branch of American Society of Microbiology Conference, St. Louis, MO.
- Erin Murphy\*, Elizabeth Kapustka\*, Sukje Lee\*\*, Douglas Gilliam\*\*, and Kyungtae Kim. 2011. Disruption of plasma membrane components affects eisosome organization. The Missouri branch of American Society of Microbiology Conference, St. Louis, MO.
- Brandon Tenay\*\*, Jeff Sletto\*\*, Daobing Wang\*, and Kyungtae Kim. 2011. Yeast dynamin implicated in endocytic scission and the disassembly of endocytic component. CNAS undergraduate research symposium at MSU.
- Joshua Lukehart\*\*, Chad Highfill\*, Jacob Hayden\*, and Kyungtae Kim. 2011. Vps1's involvement in protein recycling from early endosome to late Golgi. CNAS undergraduate research symposium at MSU.

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## 2010

- Erin Murphy\*, Jacob Boxberger\*\*, Robert Colvin\*\*, Sukje Lee\*\*, Fred Loor\*\*, Geoffrey Zahn\*\*, and Kyungtae Kim. 2010. The Eisosome Protein Pil1 Plays a Role in the Recruitment of Endocytic Components via Regulating Membrane PIP<sub>2</sub> Levels. The American Society for Cell Biology, Philadelphia, PA
- C. Kamble\*, S. Jain\*, E. Murphy\*\*, K. Kim. 2010. Requirements of Slm proteins for proper eisosome organization, endocytic trafficking, and recycling. The American Society for Cell Biology, Philadelphia, PA
- D. Wang\*, C. Highfill\*, K. Kim. 2010. The yeast dynamin-like protein Vps1:*vps1* mutations perturb the internalization and the motility of endocytic vesicle and endosome via the disorganization of actin cytoskeleton The American Society for Cell Biology, Philadelphia, PA
- Daobing Wang\*, Jeff Sletto\*\*, Chad Highfill\*, and Kyungtae Kim. 2010. Yeast dynamin on receptor mediated endocytosis. Arkansas INBRE Research conference.
- Chitra Kamble\*, Sandhya Jain\*, Erin Murphy\*\*, and Kyungtae Kim. 2010. The phosphoinositide binding Slm proteins implicated in eisosome organization and endocytic trafficking. Arkansas INBRE Research conference.
- Erin Murphy\*, Suk Je Lee\*\*, Jacob Boxberger\*\*, Robert Colvin\*\*, Elizabeth Kapustka\*\*, and Kyungtae Kim. 2010. The yeast dynamin-like protein Vps1:*vps1* mutations perturb the internalization and the motility of endocytic vesicle and endosome via the disorganization of actin cytoskeleton. Arkansas INBRE Research conference.

- Douglas Gilliam\*\*, and Kyungtae Kim. 2010. Disruption of plasma membrane components affects eisosome localization. Arkansas INBRE Research conference.
- Erin Murphy\*, Jacob Boxberger\*\*, Robert Colvin\*\*, Suk Je Lee\*\*, Fred Loor\*\*, Geoffrey Zahn\*\*, and Kyungtae Kim. 2010. Pil1's Role on Regulating Membrane PIP<sub>2</sub> Levels. Arkansas INBRE Research conference.
- Chad Highfill\*, Chitra Kamble\*, and Kyungtae Kim. 2010. Potential proteins involved with Vps1 in recycling. Arkansas INBRE Research conference.
- Chad Highfill\*\* and Kyungtae Kim. 2010. Perturbed endosome motility in vps1 mutants. National Academy of Science conference, MO.
- Kamble Chitra\*, Jain S\*, Murphy E\*\*, and Kim K. 2010. Implication of *SLM* Genes in endocytosis and the organization of eisosome. American Society of Microbiology Conference, Springfield, MO.
- Berg Christopher\* and Kim, K. 2010. The Functional Synergy between Yeast Dynamin and Key Membrane Recycling Factors. American Society of Microbiology Conference, Springfield, MO.
- Wang Daobing\* and K. Kim. 2010. The C-terminal GTPase effector domain of yeast dynamin plays an important role in early endocytosis and interacts genetically with amphiphysin. American Society of Microbiology Conference, Springfield, MO.
- Murphy, E.\*, Boxberger, J.\*\*, Zahn, G.\*\*, Loor, F.\*\*, and Kim, K. 2010. Loss of Pil1 Disrupts Cell-eating Ability. American Society of Microbiology Conference, Springfield, MO.
- Chad Highfill\*\* and Kyungtae Kim. 2010. Perturbed endosome motility in vps1 mutants. CNAS undergraduate research symposium at MSU.
- Jeff Sletto\*\*, Daobing Wang\*, and Kyungtae Kim: Genetic interaction between Vps1 and Chc1 genes investigated by tetrad analysis. 2010. CNAS undergraduate research symposium at MSU.
- Jacob Boxberger\*\*, Fred Loor\*\*, Geoffrey Zahn\*\*, Erin Murphy\*, and Kyungtae Kim. 2010. Cell eating disorder by loss of Pil1. CNAS undergraduate research symposium at MSU
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## 2009

- Erin Murphy\*\*, Sandhya Jain\*, and Kyungtae Kim. 2009. The role of Pil1 and Slm1 targeting to the eisosome and its interaction with Slm1. Missouri Branch of American Society for Microbiology & Midwest Microbiology Educators joint meeting. Columbia, MO.
- Daobing Wang\*, Blake Schroeder\*\*, and Kyungtae Kim. 2009. The yeast dynamin and its role in early endocytosis. Missouri Branch of American Society for Microbiology & Midwest Microbiology Educators joint meeting. March 27-28, 2009. Columbia, MO.
- Sandhya Jain\*, Erin Murphy\*\*, and Kyungtae Kim. 2009. Characterizing the role of Slm1 in endocytosis. Missouri Branch of American Society for Microbiology & Midwest Microbiology Educators joint meeting. March 27-28, 2009. Columbia, MO.
- Chitra Kamble\*, Sandhya Jain\*, Christopher Berg\*, and K. Kim. 2009. Roles of Slm1 proteins in endocytosis. Arkansas IDeA Network of Biomedical Research Excellence (InBRE), Arkansas University, AK
- Erin Murphy\*, Geoffrey Zahn\*\*, and K. Kim. 2009. Endocytic roles of Pil1, the main organizer of eisosomes. Arkansas IDeA Network of Biomedical Research Excellence (InBRE), Arkansas University, AK
- Daobing Wang\* and K Kim. 2009. The yeast dynamin and its roles in early endocytosis. Arkansas IDeA Network of Biomedical Research Excellence (InBRE), Arkansas University,

AK

**2008**

Srikant Nannapaneni\*, Blake Schroeder\*\*, Adam Maysent\*\*, Sandhya Jain\*, Daobing Wang\*, Delilah Pittsley\*\*, Lindsay Reustle\*\*, and K. Kim. 2008. The Yeast Dynamin-related protein Vps1 Function in Endocytic Vesicle Assembly and Internalization. American Society of Cell Biology. San Francisco, CA.

Sandhya Jain\*, Srikant Nannapaneni\*, Ryan McDowell\*\*, Chad Highfill\*\*, Erin Murphy\*\*, Delilah Pittsley\*\*, and Kyoungtae Kim. 2008. The effect of Vps1 loss on the intracellular motility of membrane-derived endocytic vesicles. American Society of Cell Biology. San Francisco, CA.

Blake Schroeder\*\*, Adam Maysent\*\*, Daobing Wang\*, Delilah Pittsley\*\*, Lindsay Reustle\*\*, and K. Kim. 2008. The yeast dynamin-related protein Vps1p functions in endocytic patch assembly/maturation and internalization. Arkansas IDeA Network of Biomedical Research Excellence (InBRE), Arkansas University, AK

Srikant Nannapaneni\* and Kyoungtae Kim. 2008. The Yeast Dynamin-related protein Vps1 Function in Endocytic Vesicle Assembly and Internalization. Interdisciplinary Forum at MSU.

**2007**

Srikant Nannapaneni\* and Kyoungtae Kim. 2007. The role of Vps1p during endocytosis in *Saccharomyces cerevisiae*. American Society of Cell Biology. Washington D.C.

**2006**

Kyoungtae Kim, Michelle E. McCully, Nandini Bhattacharya, Boyd Butler, David Sept and John A. Cooper. 2006. Structure/Function Analysis of the Interaction of Phosphatidylinositol-4,5-bisphosphate (PIP2) with Actin Capping Protein. American Society of Cell Biology, San Diego.

Kyoungtae Kim. 2006. Actin Capping Protein: Biochemical mechanism of capping actin and biological role in actin dynamics in yeast at MSU

**PRESENTATIONS before employment at MSU:**

Kyoungtae Kim, A. Yamashita, M. A. Wear, Y. Maeda, J. A. Cooper. 2004. Capping Protein Binding to Actin in Yeast: Biochemical Mechanism and Physiological Relevance. FEBS Special Cytoskeleton Meeting. Helsinki, Finland.

M. A. Wear, A. Yamashita, K. Kim, Y. Maeda, J. A. Cooper. 2003. How Capping Protein Binds the Barbed End of the Actin Filament. American Society of Cell Biology. SF.

Kyoungtae Kim, P. Hou, J. L. Gorski, J. A. Cooper. 2002. Effect of Fgd1 on Cortactin in Actin Polymerization. American Society of Cell Biology. SF.

R. J. Chi, K. Kim, S. G. Olenych, T. C. Keller. 2002. Smitin, a Titin-like Component of the Smooth Muscle Contractile Apparatus, Interacts with  $\alpha$ -actinin. American Society of Cell Biology. SF.

Kyoungtae Kim and Tom Keller. 2000. Smooth Muscle Titin Localization and Interaction with Myosin II and  $\alpha$ -actinin. American Society of Cell Biology. SF.

Kyoungtae Kim and Tom Keller. 1999. Smooth Muscle Titin Interaction with Myosin II and Localization *in vivo*. American Society of Cell Biology. WA.D.C

Kyungtae Kim and Tom Keller. 1998. Smooth Muscle Titin Identification and Interaction with Myosin. American Society of Cell Biology. SF. CA

**POSTDOCTORAL GRANT:**

2003-2005. American Heart Association. Project Title: Structure and Functional Relationship of Actin Capping Protein. \$80,685.

**GRANT (since employment at MSU):**

2017-2018 Third round of Nanomaterial toxicity test funding from ERDC and Brewer Science  
2017-2018 Faculty Research Grant. \$7,500  
2017 Summer GA Fund grant (~\$3,000)  
2016-2017 Second round of Nanomaterial toxicity test funding from ERDC and Brewer Science (\$10,000)  
2016 MSU summer Faculty Fellowship. \$6,000.  
2015-2016 Nanomaterial toxicity test funding from ERDC and Brewer Science. \$10,000  
2015 International travel funding award (Sixteenth's International meeting of Carbon Nanotube, in Nagoya, Japan). \$3,500.  
2015 MSU Provost's Research Incentive Funding. Acquisition of microfluidic perfusion system for long-term live imaging. \$25,000.  
2014-2015 Faculty Research Grant. Investigation of dynamin in inner-cellular material transport systems. \$7,366  
2014-2015 Research Incentive Funding (Carbon Nanotube project). \$7, 000  
2013-2014 Research Incentive Funding (Carbon Nanotube project). \$10, 000  
2012-2013 Faculty Research Grant. Implication of Vps1 in Membrane Recycling and its Interaction with Recycling Factors. \$7,370.  
2011. MSU summer Faculty Fellowship. Novel roles of Vps1 on endocytic and recycling traffics. \$6,000.  
2010. MSU Faculty Research Grant. The endocytic role of Dynamin-like protein Vps1 in Yeast \$7,500.  
2009-2012. MRI-RUI: Acquisition of a Spinning Confocal Microscope to Advance Interdepartmental Research and Training at Missouri State University (Proposal Number: 0923024). \$350,000.  
2007-2009. MSU Provost's Research Incentive Funding. Use of Real-Time PCR to Quantify Sources of Fecal Pollution in Ozark Streams: Participants (with John Steiert). \$77,000.  
2007. MSU Faculty Research Grant. Uncovering the Molecular Mechanisms of Endocytic Vesicle Motility in Yeast. \$7,500.  
2007. MSU Summer Faculty Fellowship. Molecular Binding Mechanism of Capping protein-phospholipid interaction. \$5,000.

**RESEARCH GRANTS APPLIED (since employment at MSU):**

2014. NSF-RUI (Research Grant).  
2014. NSF-REU (Research Training Grant).  
2011. NSF-RUI (Research Grant).  
2010. NSF-RUI (Research Grant).

- 2009. Electron Microscopy Grant.
- 2009. American Heart Association-SDG.
- 2009. NSF-MRI.
- 2009. MSU Faculty research Grant.
- 2008. American Heart Association-GIA.
- 2008. American Heart Association-SDG.
- 2008. NIH AREA (R15).
- 2008. CCSA full proposal submission.
- 2008. MSU pre-NSF-MRI proposal for electron microscope.
- 2007. MSU Provost's Research Incentive Funding (RT-PCR, with Jack Steiert).
- 2006. American Heart Association-GIA.
- 2006. American Heart Association-SDG.
- 2006. MSU Provost's Research Incentive funding for 2007 (with Laszlo Kovacs).
- 2006. MSU Faculty Research Grant.
- 2006. MSU Summer Faculty Fellowship.

**PUBLIC PRESENTATIONS:**

- 2007. Cell Structure and Function. The ELI (English Language Institute) at MSU.
- 2008. Cancer cell. The ELI (English Language Institute) at MSU.
- 2009. Fighting Cancer. The ELI (English Language Institute) at MSU

**OFF-CAMPUS TEACHING WORKSHOP:**

- 2007. McGraw-Hill Biology San Diego Symposium, held Oct 25-28. Non-Major Biology Instructor Conference.
- 2008. AACU (Association of American Colleges and Universities) meeting. "Engaging Science, Advancing Learning" Conference, held November 6-8.

**OFF-CAMPUS GRANT WRITING WORKSHOP:**

- 2007. National Scientific Foundation, Oklahoma City, held March 19-20. Discussion of NSF proposal and award policies and procedures.

**SERVICE:**

COMMITTEES:

A. Department

1. Graduate Committee, 2007-Present
2. Geneticist Search Committee, 2009-2010
3. Departmental Equipment Committee, 2009 and 2017
4. Faculty Compensation Evaluation Committee, 2010
5. Faculty personnel committees, 2012, 2016
6. Course time change committee (Sep 2013)
7. Developmental Biology Search Committee Chair, 2013-2014
8. Departmental the Micro/Biotech curriculum committee Chair (2013-present)
9. Microbiology/immunology visiting professor search committee, 2014.
10. Microbiologist Search Committee, 2016-2017

B. College

1. Undergraduate Research Activity Day CNAS Committee (2010-2012)
2. CNAS Budget committee (2015-present)
3. MNAS (Master of Natural and Applied Science)-BIO coordinator (2017-Present)

C. University

1. English Proficiency Exam Committee, 2006-present
2. Faculty Concerns Committee, 2007- 2015
3. Pre-dental Advisor, 2007-Present
4. Pre-medical committee, 2011-present
5. Graduate council Committee, 2016-present
6. Graduate Council Executive Committee, 2016-present
7. Graduate Council Scholarship Selection Committee Chair, 2016-present
8. Premed Scholarship Committee (2016-present)
9. Foundation Scholarship Committee (2016-present)
10. Institutional Biosafety Committee Chair (2017-Present)

OTHER:

A. Departmental

1. Major Fair Representative, 2006-Present
2. Graduate Program Representative, 2010
3. Recruitment Fair Representative, 2007
4. Graduate Student Recruitment Travel, 2007
5. International Student Speaking Test Judge, 2007-2015
6. Invite Katie Shannon for Departmental Seminar (March 2013)  
Invite Melanie Mormile for Departmental Seminar (March 2013)

B. University and Community

1. Member of editorial board of “international journal of research studies in bioscience (IJRSB)”
2. Editorial Board Member for Journal of Biochemistry and Molecular Biology Research
3. Editorial Board Member for Journal of Molecular Signaling Update
4. Judge at Interdisciplinary Forum, 2007-Present
5. Judge at Ozark Science Fair, 2006-Present
6. Judge at American Society of Microbiology, 2007-2009. 2016.
7. Reviewer of textbook (Krogh 5<sup>th</sup> Edition), 2008, 2011, 2014.  
Reviewer of textbook (biology for the informed citizen 1<sup>st</sup> edition). 2013.
8. Reviewer of a manuscript submitted to the MSU Journal LOGOS, 2009
9. Reviewer of manuscripts submitted to peer-reviewed Journals, 2012-present
10. Attended MSU Teaching Showcase, 2006-Present
11. Attended Internal Grant Workshops
12. Attended Master Advisor Workshop and Refresher Workshop
13. Attended Tenure/Promotion Workshops (2010, 2015)
14. Attended a seminar entitled “ General perspectives and specific suggestions about campus shooting case
15. Attended a seminar entitled “Best practices in mentoring faculty (Sep 2013)
16. Attended CNAS college council meeting (Nov 2013)
17. Attended Green-Dot Training (2016, 2017): CNAS.
18. SOAR-Presentation (2017 summer)

19. Frequent Student tour (2017 summer)