

# **CURRICULUM VITAE of AMY E. PASQUINELLI, PhD**

## **CONTACT INFORMATION**

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## **EDUCATION**

1998 Ph.D., Department of Biomolecular Chemistry  
University of Wisconsin-Madison

1993 B.A., Major in Biology, Minors in Chemistry and English  
Bucknell University, Lewisburg, PA

## **TRAINING & POSITIONS**

2013 – present Professor of Molecular Biology  
2009 – 2013 Associate Professor of Molecular Biology  
2003 – 2009 Assistant Professor of Molecular Biology  
Division of Biology, UCSD  
Regulation of Gene Expression by MicroRNAs

1999 – 2003 Post Doctoral Research Fellow  
Department of Genetics, Harvard Medical School &  
Department of Molecular Biology, Massachusetts General Hospital  
Research Advisor: Dr. Gary Ruvkun  
Expression and Function of the let-7 MicroRNA

1993 – 1998 Graduate Student  
Department of Biomolecular Chemistry  
University of Wisconsin-Madison  
Thesis advisor: Dr. James E. Dahlberg  
RNA Export: Cis-acting Signals and Trans-acting Factors that  
Mediate Transport from the Nucleus

1991 – 1993 Undergraduate Honors Thesis Research  
Department of Biology  
Bucknell University, Lewisburg, PA  
Honors thesis advisor: Dr. Mitchell Chernin  
Genetic Analysis of the Histidase Gene

**TEACHING EXPERIENCE**

2004-06, 2010-11, 2013, 2015-21  
2012-22 Instructor, BIMM 100 Molecular Biology, UCSD

2007-09 Instructor, BGGN 290 Advances in Cellular & Molecular Mechanisms, UCSD

2007-09 Coordinator and Instructor of BGGN 220 Graduate Molecular Biology, UCSD

2005-11 Instructor, BGGN 280 Graduate Dev Biology, UCSD

2018 Guest lecturer, CHEM 215, Graduate Biochemistry, UCSD

2012, 2015 Guest lecturer, BIOM 254, Graduate Molecular Biology, UCSD

2004-06, 2010-18 Guest lecturer, BGGN 220 Graduate Molecular Biology, UCSD

2005, 2008 Guest lecturer, Cold Spring Harbor *C. elegans* course

2004 Guest lecturer, BIMM 100 Molecular Biology, UCSD

1996 Teaching Assistant, Biochemistry, U of Wisconsin-Madison

1991-92 Teaching Assistant, Organismal Biology, Bucknell U

**HONORS, FELLOWSHIPS AND AWARDS**

2018 Glenn Foundation for Medical Research Award

2015 Frontiers of Innovation in Science Program Awardee, UCSD

2013 Glenn/AFAR Breakthroughs in Gerontology (BIG) Award

2012, 2016-17 Travel Awards from the Academic Senate: San Diego Division

2011 President's Circle of the National Academy of Sciences/  
Engineering and Institute of Medicine participant

2007, 2009 Kavli Frontiers in Science participant

2007 Emerald Foundation Young Investigator Award

2006 Keck Distinguished Young Scholar in Medical Research

2006 Honorary Member Golden Key International Honor Society

2004 Rosalind Franklin Young Investigator Award

2004 V Foundation Scholar

2004 Searle Scholar Young Investigator Award

2000 Helen Hay Whitney Postdoctoral Fellowship

1999 MGH Fund for Medical Discovery Postdoctoral Fellowship

1996 NIH Pre-doctoral Training Grant

1993 Bison Award - excellence in academics/extracurricular activities

1993 Sigma Xi Research Honor Society

1992 – 1993 Phi Sigma Honor Society

1991, 1992, 1993 Undergraduate Summer Research Fellowships, Bucknell U

**SERVICE AND SCHOLARLY ACTIVITIES**

2021 – present Molecular Biology Faculty Search Committee

2020 – present BUMMP (Biology Undergraduate and Master's Mentorship Program) Mentor, UCSD

2020 – present Co-director Pathways in Biological Sciences Training Grant, Division of Biology, UCSD

2019 – 2020 Chair, Molecular Biology Faculty Search Committee

2019 NIH Peer Review Committee: MGB, *ad hoc* reviewer

2018 – present AFAR's National Scientific Advisory Council (NSAC) member

2017 – 2019 General Campus Research Grant Committee, UCSD  
 2017 – 2019 Biology graduate curriculum review committee, UCSD  
 2016 *Nature* Mentor Award Review Committee  
 2016 – 2017 Excellence Faculty Search Committee  
 2016 Reviewer for V Foundation internal nomination  
 2016 Reviewer for Wellcome Trust Investigator Award in Science  
 2015 Participant in Phi Delta Epsilon premedical fraternity's inaugural Professor's Dinner  
 2015 NIH/ NIGMS Council, *ad hoc*  
 2015 – present Committee for Biological Sciences Limited Submissions, UCSD  
Chair 2017 – present  
 2015 – 2019 Summer Sessions Review committee, UCSD  
 2013 – 2017 Poster Judge at Society for the Advancement of Chicanos and Native Americans in Science (SACNAS)  
 2013 – 2016 Vice Chair, Molecular Biology Section, Division of Biology, UCSD  
 2013 – 2015 Co-organizer 20<sup>th</sup> Anniversary RNA Meeting, Madison, WI  
 2013 – 2015 Associate Editor for *RNA Biology*  
 2013 – present Diabetes Research Connection, Scientific Advisory Committee  
 2013 Guest Associate Editor for *PLoS Genetics*  
 2013 – 2014 Marshall College Faculty Mentor for new transfer students, UCSD  
 2012 – 2019 Dean's Faculty Advisory Committee, Division of Biology, UCSD  
 2012 – present F1000 Research, Editorial Board member  
 2012 Academic Senate Awards Committee, UCSD  
 2011 – 2020 Co-director Cell, Molecular & Genetics Training Grant, Division of Biology, UCSD  
 2011 Beyond the Classroom presenter for Biological Sciences Student Association, UCSD  
 2011 *Ad hoc* promotion committee, Neurobiology section, UCSD  
 2011 – 2012 Next Step Mentor, UCSD  
 2010 Epigenetics Faculty Search Committee, Biology, UCSD  
 2010 Keck Symposium Organizational Committee  
 2010 – 2012 Chemical Safety and Surveillance Committee, UCSD  
 2010, 2013 NIH Peer Review Committee: MGA, *ad hoc* reviewer  
 2010 UCSD Biology Retreat Committee  
 2009 Co-organizer of Local RNA Club, UCSD  
 2009 Kamen Prize Committee, UCSD  
 2009 – 2012 UCSD Graduate Recruitment Committee  
 2007 – 2009 Co-organizer 2009 Keystone Meeting – MicroRNAs & Cancer  
 2007 – present Scientific Review Committee member for the Rosalind Franklin Young Investigator Award of the Peter Gruber Foundation  
 2007, 2008 Mentor for Biology Graduate Student Mentorship Dinner  
 2006 Organized UCSD CMG Training Grant sponsored workshop focused on peer review publishing with a seminar by *Nature* editor Angela Eggleston  
 2006-2008 Faculty Recruitment Committee, Molecular Biology, UCSD  
 2006 – present Member of RNA Society; Poster judge at 2005, 2010, 2012 RNA meetings; served on Nominating Committee 2010

2005 – 2010, 2012, 2015 2005	Panelist for RNA Society student/ post doc mentor luncheon American Cancer Society Institutional Research Grant Review Committee, UCSD
2005	<u>Co-organizer</u> for The 2005 Biology Dean's Symposium - RNA: Beyond the Central Dogma, UCSD, La Jolla, CA
2005, 2007 2005	Panelist for Genetics Society of America student mentor luncheon Reviewer for MRC Career Development Award
2004	Panelist for UCSD CMG Graduate Training Grant - Choosing a Post Doc
2004 – 2008, 2013 – present	UCSD Biology Graduate Committee
2004 – 2006	UCSD Biology Development Committee
2004 – present	Member of Genetics Society of America
2003, 2004, 2013	Mentor for STARS program summer students
2003 – present	Member of UCSD Cancer Center
2003 – present	Reviewer for Faculty of 1000
2003 – present	Manuscript reviewer for <i>Bioessays</i> , <i>Cell</i> , <i>Cell Reports</i> , <i>Current Biol</i> , <i>Dev Biol</i> , <i>Dev Cell</i> , <i>eLife</i> , <i>EMBO J</i> , <i>Expert Opinion in Biological Therapy</i> , <i>Genes &amp; Dev</i> , <i>JBC</i> , <i>J of Neurogenetics</i> , <i>MCB</i> , <i>Mol Cell</i> , <i>NAR</i> , <i>Nature</i> , <i>Nature Genetics</i> , <i>Nature Methods</i> , <i>Nature Reviews Mol Cell Biol</i> , <i>Nature Structure &amp; Molecular Biology</i> , <i>PLoS</i> , <i>PLoS Genetics</i> , <i>PNAS</i> , <i>RNA</i> , <i>RNA Biology</i> , <i>Science</i> , <i>Trends in Cell Biology</i> , <i>Trends in Genetics</i>
2003	Book Chapter reviewer for Weaver: Molecular Biology (3 <sup>rd</sup> Ed), chapters 13 & 14

### INVITED PRESENTATIONS – INTERNATIONAL CONFERENCES

2022	Argonaute Conference, Regensburg, Germany
2022 - postponed	Post-transcriptional Gene Regulation, Barbados
2022 - postponed	<i>C. elegans</i> smRNA Meeting, Todos Santos, Mexico
2022	4 <sup>th</sup> Int'l Conference on the Long & Short of ncRNAs, Rhodes, Greece
2022	<i>C. elegans</i> Meeting, Madison, WI
2021 - postponed	4 <sup>th</sup> Int'l Conference on the Long & Short of ncRNAs, Rhodes, Greece
2021 - postponed	EMBO Workshop: The Epitranscriptome, Heidelberg, Germany
2020	Post-transcriptional Gene Regulation, Barbados
2020 - postponed	<i>C. elegans</i> Meeting, Madison, WI
2019	Small RNAs Conference, Vienna, Austria
2019	RNA Stability, Montreal, Canada
2019	Worm Small RNAs, Todos Santos, Mexico
2018	IBS Conference on RNA Biology, Seoul, Korea
2018	RNA Symposium, National University of Singapore, Singapore
2018	Post-transcriptional Gene Regulation GRC, Sunday River, ME
2018	RNA Decay FASEB Meeting, Scottsdale, AZ
2018	<i>C. elegans</i> Meeting, Madison, WI
2018	ncRNAs EMBO Conference, Weizmann Institute, Israel

2017 ncRNAs & Epigenetics in Cancer, Basel, Switzerland  
 2017 RNAi, miRNAs, CRISPR: ncRNA as a Guide, Barbados  
 2017 Plant Animal Genomes (PAG), San Diego, CA  
 2016 Cells & Genes, La Jolla, CA  
 2016 Horizons, Gottingen, Germany  
 2016 NcRNAs: Current & Future Trends, Virtual Keystone Symposia  
 2016 American Federation for Aging Research, Santa Barbara, CA  
 2016 Keynote Speaker, Basel Worm Meeting, Basel Switzerland  
 2016 RNA MEDICINE 2016, Beth Israel Deaconess Medical Center, MA  
 2016 Small RNAs Keystone Conference, Keystone, CO  
 2016 ASBMB, San Diego, CA  
 2015 ISAFG, Piacenza, Italy  
 2015 miRNAs & Cancer Keystone Conference, Keystone, CO  
 2015 Epigenetics Keystone Conference, Keystone, CO  
 2014 Symposia on Cancer Research – ncRNA in Disease and Cancer,  
 MD Anderson Cancer Center, Houston, TX  
 2014 Cell Symposium – Regulatory RNAs, Berkeley, CA  
 2014 MiRNA Workshop, Barbados, VI  
 2013 ASCB (co-chair), New Orleans, LA  
 2013 RNAi, MicroRNAs, Single Cell Biology, Boston, MA  
 2013 Biogenesis and Turnover of smRNAs, Royal Society Edinburgh, UK  
 2012 International Society for the Study of Xenobiotics, Dallas, TX  
 2012 58<sup>th</sup> Brazilian Congress of Genetics, Foz do Iguacu, Brazil  
 2012 Regulatory and Non-coding RNAs, CSHL, NY  
 2012 *C. elegans* meeting, Madison, WI  
 2012 SDCSB MicroRNA Workshop, Salk, Institute, La Jolla, CA  
 2011 American Association for the Study of Liver Diseases, San  
 Francisco, CA  
 2011 Eukaryotic RNA Processing, CSHL, NY  
 2011 American Society for Biochemistry and Molecular Biology,  
 Washington, DC  
 2010 RNAi & miRNA Regulatory Functions, 32nd Annual Sanford  
 Burnham Medical Research Institute Symposium, CA  
 2010 AACR, Dead Sea, Jordan  
 2009 Kavli Frontiers of Science Symposium, Irvine, CA  
 2009 ISDBC, Edinburgh, Scotland  
 2009 MicroRNA and Cancer Keystone Meeting, Keystone, CO  
 2009 miRNAs in Development and Disease, Anderson Symposium, UVA  
 2009 Development of Non-coding RNA for Cancer Therapy, MD  
 Anderson Symposium, Baylor, TX  
 2008 Non-coding RNAs, American Society for Cell Biology Annual  
 Meeting, San Francisco, CA  
 2008 Post-transcriptional Gene Regulation Gordon Research  
 Conference, Colby College, Maine  
 2008 Nucleic Acids Gordon Research Conference, Newport, RI  
 2008 MiRNA & RNAi, Vienna, Austria  
 2007 Forbeck Forum on MiRNA & Cancer, Hilton Head, SC

- 2007 10th Annual Chinese-American Kavli Frontiers of Science Symposium, Beijing, China
- 2007 Queenstown Molecular Biology Meeting, New Zealand
- 2007 Keystone MiRNAs & Cancer Meeting, Keystone, CO
- 2007 RNAi e microRNA, Firenze, Italy
- 2007 MiRNAs in Cancer & Development Workshop, Columbus, OH
- 2007 Annual Biophysical Society Meeting, Baltimore, MD
- 2006 Harvard Center for Cancer Biology MicroRNA Symposium, MA
- 2006 FASEB Post-transcriptional Control of Gene Exp., Snowmass, CO
- 2006 Annual Bay Area Symposium on Modulatory Small RNAs, UCSF
- 2006 RNAi & Related Pathways Keystone Symposia, Vancouver
- 2005 15th Annual Beckman Symposium, City of Hope, CA
- 2005 Gordon Conference - Epigenetics, Plymouth, NH
- 2004 American Hematology Society, San Diego, CA
- 2004 FASEB - post-transcriptional control of gene regulation, Tucson, AZ
- 2004 American Association for Cancer Research (AACR), Orlando, FL
- 2004 siRNA in Drug Development and Discovery, del Mar, CA

#### **INVITED PRESENTATIONS – UNIVERSITIES, INSTITUTES & COMPANIES**

- 2022 Keynote Speaker, BMC 100<sup>th</sup> Anniversary, Madison, WI
- 2022 Cornell U, NY
- 2022 NCCR RNA & Disease seminar series, Zurich, Switzerland
- 2022 NCCR RNA & Disease seminar series, Bern, Switzerland
- 2021 - postponed NCCR RNA & Disease seminar series, Zurich, Switzerland
- 2021 - postponed NCCR RNA & Disease seminar series, Bern, Switzerland
- 2020 U of Colorado Anschutz Medical Campus, Denver, CO
- 2021 - postponed Stowers Institute, Kansas City, MO
- 2019 Keynote Speaker, BECUR Conference, U of Arizona, AZ
- 2019 Keynote Speaker for U of Utah Genetics Retreat, Deer Valley, UT
- 2019 Baylor U, Houston, TX
- 2019 NIH/NIDDK, Bethesda, MD
- 2019 Purdue U, Indiana
- 2019 Johns Hopkins Medical School, Baltimore, MD
- 2018 MarvFest, Madison, WI
- 2018 Gary66, Boston, MA
- 2018 UC Davis, CA
- 2018 Colgate U, NY
- 2018 Laval U, Quebec, Canada
- 2018 Colorado State U, Fort Collins, CO
- 2017 Hospital for Sick Children Research Institute in Toronto
- 2017 National Cancer Institute, Frederick, MD
- 2017 Kansas State U, Manhattan, KS
- 2016 UC Riverside, Riverside, CA
- 2016 Regulus, San Diego, CA
- 2016 U of Washington, Saint Louis, MO
- 2016 UCSD Genetics Retreat, UCSD, La Jolla, CA
- 2015 U of Washington, Saint Louis, MO
- 2014 Michigan State University, East Lansing, MI

2014 Ohio State, Columbus, OH  
2014 U of Calgary, Calgary, Canada  
2013 U of Wyoming, Laramie, WY  
2013 U of Washington, Saint Louis, MO  
2013 U of Michigan, Ann Arbor, MI  
2013 U of Nebraska, Lincoln, Nebraska  
2012 Johns Hopkins U, Baltimore, MD  
2012 Cal State San Bernardino, San Bernardino, CA  
2012 Cal State Fullerton, Fullerton, CA  
2012 UC Irvine, Irvine, CA  
2012 UCSD Genetics Training Grant Retreat, La Jolla, CA  
2012 Nitto Denko, Oceanside, CA  
2011 UCSD Medical School, La Jolla, CA  
2011 U of CA Riverside, CA  
2011 Case Western Reserve, Cleveland, OH  
2011 U of Texas, Houston  
2011 Scripps Research Institute, La Jolla, CA  
2010 Ribogroup, Madison, WI  
2010 Regulus, Carlsbad, CA  
2009 Columbia U, New York, NY  
2009 Yale U, New Haven, CT  
2008 Genetics Seminar Series, UCLA, Los Angeles, CA  
2008 Student Hosted Seminar Series, U of Buffalo, NY  
2007 U of Otago, Dunedin, New Zealand  
2007 U of Washington, Seattle, WA  
2007 U of Austin, TX  
2007 U of Wisconsin, Madison, WI  
2007 Case Western Reserve U, Cleveland, Ohio  
2007 UCSD Cancer Center  
2006 Leading Edge Seminar Series, City of Hope, CA  
2006 Frontiers in Biology Seminar Series, Stanford, CA  
2006 U of Utah, Salt Lake City, UT  
2005 U of Connecticut Health Center, Farmington, CT  
2005 U of Chicago, Chicago, IL  
2005 U of Pennsylvania, Philadelphia, PA  
2005 UCSD Medical School Hillcrest, San Diego, CA  
2005 Scripps Cancer Affinity Group, La Jolla, CA  
2004 U of CA, Los Angeles, Los Angeles, CA  
2004 U of Wisconsin, Madison, WI  
2004 Scripps Institute, La Jolla, CA  
2004 American Women in Science, San Diego, CA  
2003, 2004 Isis Pharmaceuticals, Inc. Carlsbad, CA  
2003 San Diego State University, San Diego, CA  
2003 UC Riverside, CA  
2002 Salk Institute, La Jolla, CA  
2002 Biochemistry Dept, UCSD, La Jolla, CA  
2002 Division of Biology, UCSD, La Jolla, CA  
2002 Johns Hopkins Medical School, Baltimore, MD

2002 Johns Hopkins School of Public Health, Baltimore, MD  
 2002 Caltech, Pasadena, CA  
 2002 U of Washington, Seattle, WA  
 2002 UC Davis, CA  
 2002 UC Santa Barbara, CA  
 2002 UCSF, CA  
 2002 Harvard Medical School

### **OTHER ORAL PRESENTATIONS AT INTERNATIONAL CONFERENCES**

2004 RNA Society International Meeting, Madison, WI  
 2001 International *C. elegans* Meeting, Los Angeles, CA  
 2001 RNA Society International Meeting, Banff, Canada  
 2001 Comparative Developmental Biology Meeting, Ischia, Italy  
 2000 RNA Society International Meeting, Madison, WI  
 2000 NASA Evolution and Development Meeting, Woods Hole, MA  
 1997 RNA Society International Meeting, Banff, Canada

### **ORGANIZING AND CHAIRING DUTIES AT PROFESSIONAL MEETINGS**

2022 - postponed Co-organizer of Worm Small RNAs Conference, Todos Santos, Mexico  
 2021 - present Co-organizer of Worm Small RNA Seminars, Virtual series  
 2019 Chair RNA Turnover & Quality Control session, CSHL Eukaryotic mRNA Processing  
 2019 Co-organizer of Worm Small RNAs Conference, Todos Santos, Mexico  
 2018 Chair of In vivo Functions of RNA and RNPs session, IBS Conference on RNA Biology, Seoul, Korea  
 2017 Scientific Program Committee, Salk/ Ipsen/ Science Symposium on RNA Biology  
 2015 Chair of miRNAs in Animal Development session, miRNAs & Cancer Keystone Conference, Keystone, CO  
 2015 Chair of smRNA session, Epigenetics Keystone Conference, Keystone, CO  
 2015 Co-organizer RNA Society Meeting, Madison, WI  
 2013 Co-chair of Organization, Stability & Expression of the Genome session, ASCB, New Orleans, LA  
 2013 Co-chair and panelist for Women in Biochemistry session, Biogenesis and Turnover of smRNAs, Royal Society Edinburgh, UK  
 2012 Co-chair of miRNA session, Regulatory and ncRNAs, CSHL, NY  
 2012 Co-chair of miRNA session at AACR, Chicago, IL  
 2011 Co-chair of RNAi and miRNAs, Eukaryotic RNA Processing, CSHL, NY  
 2009 Co-organizer MicroRNA and Cancer Keystone Meeting, Keystone, CO  
 2008 Co-chair Non-coding RNAs, American Society for Cell Biology Annual Meeting, San Francisco, CA  
 2006 Chair of Small Regulatory RNAs, FASEB Post-transcriptional Control of Gene Exp., Snowmass, CO



- 2006 Chair of RNA Silencing, RNA Society International Meeting, Seattle, WA
- 2005 Chair of Developmental Timing session, International C. elegans Meeting, Los Angeles, CA
- 2004 Co-organizer and chair for RNAi Workshop, West Coast Worm Meeting, Santa Barbara, CA
- 2002 Organizer and Introduction for RNAi Workshop & Genomics Session Chair, West Coast Worm Meeting, San Diego, CA
- 2002 Chair of RNAi and other RNA mediators of gene expression FASEB Post-transcriptional Control of Gene Exp., Tucson, AZ

## BIBLIOGRAPHY

1. Greenspan DS, Pasquinelli AE. BstUI and DpnII RFLPs at the COL5A1 gene. **Hum Mol Genet.** 1994 3:385.  
*Citations: 23 (Web of Science); 35 (Google Scholar)*
2. Pasquinelli AE, Dahlberg JE, Lund E. Reverse 5' caps in RNAs made *in vitro* by phage RNA polymerases. **RNA.** 1995 1:957-967.  
*Citations: 101 (Web of Science); 124 (Google Scholar)*
3. Pasquinelli AE, Powers MA, Lund E, Forbes D, Dahlberg JE. Inhibition of mRNA export in vertebrate cells by nuclear export signal conjugates. **Proc Natl Acad Sci USA.** 1997 94:14394-14399.  
*Citations: 48 (Web of Science); 103 (Google Scholar)*
4. Pasquinelli AE, Ernst RK, Lund E, Grimm C, Zapp ML, Rekosh D, Hammarskjöld ML, Dahlberg JE. The constitutive transport element (CTE) of Mason-Pfizer monkey virus (MPMV) accesses a cellular mRNA export pathway. **EMBO J.** 1997 16:7500-7510.  
*Citations: 196 (Web of Science); 281 (Google Scholar)*
5. Reinhart BJ, Slack FJ, Basson M, Pasquinelli AE, Bettinger JC, Rougvie AE, Horvitz HR, Ruvkun G. The 21-nucleotide *let-7* RNA regulates developmental timing in *Caenorhabditis elegans*. **Nature.** 2000 403:901-906.  
*Citations: 3,007 (Web of Science); 6,007 (Google Scholar)*  
*Highlighted in:*  
*Control of developmental timing by small temporal RNAs [Bioessays 2002]*
6. \*Pasquinelli AE, \*Reinhart BJ, Slack F, Martindale MQ, Kuroda MI, Maller B, Hayward DC, Ball EE, Degnan B, Muller P, Spring J, Srinivasan A, Fishman M, Finnerty J, Corbo J, Levine M, Leahy P, Davidson E, Ruvkun G. Conservation of the sequence and temporal expression of *let-7* heterochronic regulatory RNA. **Nature.** 2000 408:86-89. \*Co-first authors  
*Citations: 1,609 (Web of Science); 2,950 (Google Scholar)*  
*Highlighted in:*  
*Small but mighty timekeepers [Nature 2000]*  
*Great expectations of small RNAs [Nat Rev Mol Cell Biol 2010]*  
*Control of developmental timing by small temporal RNAs [Bioessays 2002]*
7. Pierce SB, Costa M, Wisotzkey R, Devadhar S, Homburger SA, Buchman AR, Ferguson KC, Heller J, Platt DM, Pasquinelli AE, Liu LX, Doberstein SK, Ruvkun G.

Regulation of DAF-2 receptor signaling by human insulin and *ins-1*, a member of the unusually large and diverse *C. elegans* insulin gene family. **Genes Dev.** 2001 15:672-686.

*Citations: 378 (Web of Science); 654 (Google Scholar)*

8. \*Grishok A, \*Pasquinelli AE, Conte D, Li N, Parrish S, Ha I, Baillie DL, Fire A, Ruvkun G, Mello CC. Genes and mechanisms related to RNA interference regulate expression of the small temporal RNAs that control *C. elegans* developmental timing. **Cell.** 2001 106:23-34. \*Co-first authors

*Citations: 1,382 (Web of Science); 2,406 (Google Scholar)*

*F1000 Article recommendation*

*Highlighted in:*

*Control of developmental timing by small temporal RNAs [Bioessays 2002]*

9. Hutvagner G, McLachlan J, Pasquinelli AE, Balint E, Tuschl T, Zamore PD. A cellular function for the RNA-interference enzyme Dicer in the maturation of the *let-7* small temporal RNA. **Science.** 2001 293:834-838.

*Citations: 1,941 (Web of Science); 3,454 (Google Scholar)*

*F1000 Article recommendation*

*Highlighted in:*

*Dicing up RNAs [Science 2001]*

10. Pasquinelli AE, Ruvkun G. Control of Developmental Timing by MicroRNAs and Their Targets. **Annu Rev Cell and Dev Biol.** 2002 18:495-513.

*Citations: 251 (Web of Science); 446 (Google Scholar)*

11. Pasquinelli AE. MicroRNAs: Deviants No Longer. **Trends in Genetics.** 2002 18:171-173.

*Citations: 54 (Web of Science); 150 (Google Scholar)*

12. Lin S, Johnson SM, Abraham M, Vella MC, Pasquinelli AE, Gamberi C, Gottlieb E, Slack F. The *C. elegans hunchback* homologue *hbl-1*, controls temporal patterning and is a probable microRNA target. **Dev Cell** 2003 4:639-650.

*Citations: 250 (Web of Science); 416 (Google Scholar)*

13. \*Bashirullah A, \*Pasquinelli AE, Kiger, AA, Perrimon N, Ruvkun G, Thummel C. Coordinate regulation of small temporal RNAs at the onset of *Drosophila* metamorphosis. **Dev Biol.** 2003 259:1-8. \*Co-first authors

*Citations: 97 (Web of Science); 148 (Google Scholar)*

14. \*Pasquinelli AE, McCoy A, Jimenez E, Salo E, Ruvkun G, Martindale MQ, Baguna J. Expression of the 22 nucleotide *let-7* heterochronic RNA throughout the Metazoa: A role in life history evolution? **Evol Dev.** 2003 5:372-378.

\*Corresponding author

*Citations: 76 (Web of Science); 18 (Google Scholar)*

15. Bracht J, Hunter S, Eachus R, Weeks P, Pasquinelli AE. Trans-splicing and polyadenylation of *let-7* microRNA primary transcripts. **RNA.** 2004 10:1586-1594.

*Citations: 120 (Web of Science); 233 (Google Scholar)*

*F1000 Article recommendation*

16. Mansfield JH, Harfe BD, Nissen R, Obenauer J, Srineel J, Chaudhuri A, Farzan-Kashani R, Zuker M, Pasquinelli AE, Ruvkun G, Sharp PA, Tabin CJ, McManus MT. MicroRNA-responsive 'sensor' transgenes uncover Hox-like and other developmentally regulated patterns of vertebrate microRNA expression. **Nat Genet.** 2004 36:1079-1083.  
*Citations: 340 (Web of Science); 523 (Google Scholar)*  
*F1000 Article recommendation*  
*Highlighted in:*  
*Tracing microRNA patterns in mice [Nat Genet 2004]*
17. Pasquinelli AE. MicroRNAs: a Small Contribution from Worms. In **RNA Interference Technology: From Basic Science to Drug Development**, ed. K Appasani. Cambridge, UK: Cambridge University Press. 2005. p69-83.
18. Pasquinelli AE, Hunter SE, Bracht J. MicroRNAs: A Developing Story. **Curr. Opin in Cell and Devel. Biol.** 2005 15:200-205.  
*Citations: 241 (Web of Science); 382 (Google Scholar)*
19. Kim JK, Gabel HW, Kamath RS, Tewari M, Pasquinelli AE, Rual JF, Kennedy S, Dybbs M, Bertin N, Kaplan JM, Vidal M, Ruvkun G. Functional genomic analysis of RNA interference in *C. elegans*. **Science.** 2005 308:1164-1167.  
*Citations: 207 (Web of Science); 350 (Google Scholar)*  
*F1000 Article recommendation*
20. Lancman JJ, Caruccio NC, Harfe BD, Pasquinelli AE, Schageman JJ, Pertsemliadis A, Fallon JF. Analysis of the regulation of lin-41 during chick and mouse limb development. **Dev Dyn.** 2005 234:948-60.  
*Citations: 45 (Web of Science); 68 (Google Scholar)*
21. Bagga S, Bracht J, Hunter S, Massirer K, Holtz J, Eachus R, Pasquinelli AE. Regulation by *let-7* and *lin-4* miRNAs results in target mRNA degradation. **Cell.** 2005 122:553-563.  
*Citations: 1,021 (Web of Science); 1,601 (Google Scholar)*  
*F1000 Article recommendation*  
*Highlighted in:*  
*MicroRNA function: multiple mechanisms for a tiny RNA? [RNA 2005]*
22. Bagga S, Pasquinelli AE. Identification and analysis of microRNAs. **Genet Eng (N Y)** 2006 27:1-20.  
*Citations: 34 (Google Scholar)*
23. Pasquinelli AE. Demystifying Small RNA Pathways - A Meeting Review. **Dev Cell** 2006 10:419-424.  
*Citations: 9 (Web of Science); 17 (Google Scholar)*
24. Massirer K, Pasquinelli AE. The evolving role of microRNAs in animal gene expression. **BioEssays** 2006 28:449-452.  
*Citations: 34 (Web of Science); 49 (Google Scholar)*

25. Chendrimada TP, Finn KJ, Ji X, Bailliant D, Gregory RI, Liebhaber SA, \*Pasquinelli AE, \*Shiekhattar R. MicroRNA silencing through RISC recruitment of eIF6. **Nature** 2007 447:823-828. \*Co-corresponding authors  
*Citations: 348 (Web of Science); 676 (Google Scholar)*  
*F1000 Article recommendation*
26. Norden-Krichmar TM, Holtz J, Pasquinelli AE, Gaasterland T. Computational prediction and experimental validation of *Ciona intestinalis* microRNA genes. **BMC Genomics** 2007 8:445.  
*Citations: 20 (Web of Science); 32 (Google Scholar)*
27. Holtz J, Pasquinelli AE. Uncoupling of lin-14 mRNA and protein repression by nutrient deprivation in *Caenorhabditis elegans*. **RNA**. 2009 15:400-5.  
*Citations: 17 (Web of Science); 26 (Google Scholar)*
28. Hinton A, Afrikanova I, Wilson M, King C, Maurer B, Yeo G, \*Hayek A, \*Pasquinelli A. A Distinct MicroRNA Signature for Definitive Endoderm Derived From Human Embryonic Stem Cells. **Stem Cells Dev**. 2010 19:797-807. \*Co-corresponding authors  
*Citations: 40 (Web of Science); 66 (Google Scholar)*
29. Zisoulis DG, Lovci MT, Wilbert ML, Hutt KR, Liang TY, \*Pasquinelli AE, \*Yeo GW. Comprehensive discovery of endogenous Argonaute binding sites in *Caenorhabditis elegans*. **Nat Struct Mol Biol**. 2010 17:173-9. \*Co-corresponding authors  
*Citations: 209 (Web of Science); 336 (Google Scholar)*  
*Highlighted in:*  
*HITS-CLIP: panoramic views of protein-RNA regulation in living cells [Wiley Rev RNA 2010]*  
*Desperately seeking microRNA targets [Nature Struct & Mol Biology 2010]*  
*MicroRNA-target interactions: new insights from genome-wide approaches [Annals of the NY Academy of Sciences 2012]*
30. Kai ZS, Pasquinelli AE. MicroRNA assassins: factors that regulate the disappearance of miRNAs. **Nat Struct Mol Biol**. 2010 Jan;17(1):5-10. Review.  
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*How does Lin28 let-7 control development and disease? [Trends Cell Biol. 2012]*
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*F1000 Article recommendation*

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*F1000 Article recommendation*

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*The long and short of lifespan regulation by Argonautes. [PLoS Genet. 2018]*
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## RESEARCH SUPPORT

### Current:

R35 GM127012, NIGMS

07/01/18-06/30/23

PI

*Biogenesis and function of regulatory RNAs*

The major goal of this research program is to understand how regulatory RNAs are expressed and function in the context of normal organismal development and in response to stressful conditions.

R01 AG056562, NIA

09/01/17-04/30/22

PI

*Role of miRNA Argonautes in organismal aging*

The major goal of this proposal is to investigate the differential roles of two microRNA Argonautes in organismal lifespan determination.

### Previous:

Glenn Foundation Medical Research Award

05/01/2018-04/30/20

PI

The GFMR Award supports research in the Pasquinelli lab focused on understanding the molecular mechanisms of aging and contributing to the extension of healthy human lifespan.

R01 GM071654, NIGMS

04/01/14-03/31/18

PI

(NCE to 1/31/19)

*The role of Argonaute in miRNA biogenesis and function*

The major goal of this project is to investigate new functions for Argonaute and the miRNA pathway in miRNA processing and targeting.

FRONTIERS OF INNOVATION SCHOLARS PROGRAM

03/01/15-02/28/16

PI for post doc and undergraduate trainees  
*Novel Biomarkers Induced by Climate Change and Oncogenesis*

GLENN/AFAR BREAKTHROUGHS IN GERONTOLOGY 07/01/13-6/30/15

PI

*Collapse of the microRNA pathway during aging*

To investigate how changes in the expression of miRNA pathway factors contribute to aging.

GENERAL CAMPUS ACADEMIC SENATE RESEARCH GRANT 07/01/13-06/30/14  
 Biology, UCSD

PI

To develop a novel method for analyzing gene regulation based on PolyA Tail length

GM071654, NIGMS 04/01/10-03/31/14

PI

*Regulation of biogenesis and function of let-7 microRNA in C. elegans*

The major goals of this project are to determine how expression of the *C. elegans* let-7 and related miRNAs is regulated *in vivo* and the molecular mechanisms of miRNA function.

R01 GM071654, NIGMS 06/1/04-05/31/09

PI

*Expression and function of the let-7 RNA in C. elegans*

The major goals of this project are to determine how expression of the *C. elegans* let-7 miRNA, and other miRNAs, are regulated and the molecular mechanisms of their function.

EMERALD FOUNDATION YOUNG SCHOLAR AWARD 01/1/07-12/31/09

PI

*Regulation of miRNA expression in stem cells*

The major goal of this project is to study how biogenesis of miRNAs is regulated in *C. elegans* germline and human stem cells.

W.M. KECK DISTINGUISHED YOUNG SCHOLAR GRANT 07/1/06-06/30/11

PI

*Regulation of Gene Expression by MicroRNAs*

To support studies aimed at identifying direct targets of miRNA regulation, using biological assays in the *C. elegans* system.

SEARLE SCHOLARS AWARD 07/1/04-06/30/07

PI

*The role of let-7 RNA, herald of the new microRNA world*

The major goal of this project is to study the regulation of transcription and processing of let-7 miRNA.

V FOUNDATION 11/1/04-10/31/06

PI

*Expression of miRNAs and cancer*

The major goal of this project is to investigate the role of let-7 in regulating cell division and differentiation.

ROSALIND FRANKLIN YOUNG INVESTIGATOR AWARD  
PI

07/1/04-06/30/07

*To explore the expression and function of miRNAs*

## CONTRIBUTIONS TO PROMOTING DIVERSITY

- 2022 Completed Biology Mentorship Best Practices Workshop, Biology, UCSD – this CIMER (Center for the Improvement of Mentored Experiences in Research) developed workshop focused on best practices mentoring for lab trainees.
- 2021 Completed BUMMP (Biology Undergraduate and Master’s Mentorship Program) Mentor Workshop – this workshop focused on best practices mentoring for STEM undergraduate and Masters students with an emphasis on inclusion and retention of URM students.
- 2020 – present Mentor for 2 undergraduates in BUMMP (Biology Undergraduate and Master’s Mentorship Program) – this program provides UCSD URM students with direct mentors to give guidance and resources to promote opportunities in STEM.
- 2020 - present CO-DIRECTOR OF PATHWAYS IN BIOLOGICAL SCIENCES (PiBS) TRAINING GRANT – this program provides an enhanced practices pathway for outstanding PhD candidates in the Division of Biology at UCSD to produce leaders in diverse biology careers, including academic and industrial research, education, writing, consulting, and policy. The PiBS mission is deeply dedicated to maximizing the diversity of the Trainee pool to provide opportunities to the broadest pool of talented students; we strive to create high cultural diversity in the Trainee experience, both to immediately foster distinct and creative viewpoints in the graduate environment and to eventually help create a fully diverse mentoring and participant base as the leadership of biological science and biology-oriented careers in the future.
- 2019 - 2020 TRELS (Triton Research and Experiential Learning Scholars) MENTOR – mentored 2 UCSD URM students in projects aimed at providing hands on research experience and project development; program aims to provide such experiences to students who face obstacles obtaining such opportunities.

- 2019 - 2020 RESEARCH ADVISOR for MCNAIR SCHOLAR – this program prepares first generation college students from low income households for doctoral programs and careers in science.
- 2019 PARTICIPANT IN THE ANNUAL BIOMEDICAL RESEARCH CONFERENCE FOR MINORITY STUDENTS (ABRCMS) – as a co-director of the UCSD Cell, Molecular & Genetics training grant funded by NIH, I attended this event to help recruit and retain students from underrepresented backgrounds in the UCSD Biology PhD program.
- 2016 – 2017 EXCELLENCE SEARCH COMMITTEE MEMBER – the goal of this search was to identify a new faculty member for the Division of Biological Sciences, who in addition to exhibiting potential for a successful research program, has demonstrated commitment to equity and inclusion in higher education and will serve as a leader in programs dedicated to increasing the access and success of underrepresented individuals at all levels.
- 2003, 2004, 2013 RESEARCH ADVISOR for STARS (Summer Training Academy of Research in the Sciences) – STARS is a federally funded program providing ethnically under-represented, PhD-bound students research experience.
- 2013 PARTICIPANT IN UC ADVANCE PAID WORKSHOP – this NSF supported 1 day Workshop focused on the role of contributions to diversity in faculty hiring and academic review. Presentations, panels and group activities were utilized to discuss the relationship of academic excellence and contributions to diversity in STEM disciplines with the goal of developing measures for evaluating and rewarding contributions to diversity.
- 2013, 2014, 2016, 2017 PARTICIPANT IN THE SOCIETY FOR ADVANCEMENT OF CHICANOS AND NATIVE AMERICANS IN SCIENCE (SACNAS) CONFERENCE – as a co-director of the UCSD Cell, Molecular & Genetics training grant funded by NIH, I have attended this event and served as a poster judge to help recruit and retain students from underrepresented backgrounds in the UCSD Biology PhD program.
- 2009-2010 RESEARCH ADVISOR FOR NSF-FUNDED BIOTECHNOLOGY, EDUCATION AND TRAINING SEQUENCE INVESTMENT (BETSI) PROJECT – this is a federally funded outreach program, to broaden biotechnology training instruction, leading to more students accessing high technology careers and college education.
- 2010-2012 AWARDED NIH SUPPLEMENT TO PROMOTE DIVERSITY IN HEALTH RELATED RESEARCH – this award helped fund an

underrepresented PhD candidate in my lab, increasing her opportunities to present research at international meetings and develop technical and communication skills.

- 2012 INVITED SPEAKER FOR MINORITY ACCESS TO RESEARCH CAREERS (MARC) – this program encourages high achieving minority students to pursue advanced degrees and careers in science. CA State, San Bernardino.
- 2009 – 2012 DIVISION OF BIOLOGY GRADUATE STUDENT RECRUITMENT COMMITTEE – a major goal of this committee is to recruit an outstanding and diverse class of new PhD students.
- 2011 - 2020 CO-DIRECTOR OF CELL, MOLECULAR & GENETICS TRAINING GRANT – this program provides rigorous basic research training to outstanding biomedical PhD candidates in the Biology and Biochemistry/Chemistry Departments at UCSD. This program is committed to the recruitment and retention of students from underrepresented backgrounds.
- 2009 CO-ORGANIZER OF MICRORNA & CANCER KEYSTONE MEETING - our efforts to include women and minorities in this international meeting was recognized with a grant for scholarships from the NIH. In all, we were able to offer 17 travel awards for post docs and graduate students to present their work.
- 2004 – present ACTIVITIES TO PROMOTE WOMEN IN SCIENCE - To enhance the visibility and accessibility of women in science, I have served as a panelist, poster judge, or mentor for Genetics Society of America, RNA Society, ASCB and SACNAS conferences. I also have been a member of the Scientific Review Committee for the Rosalind Franklin Young Investigator Award of the Peter Gruber Foundation since 2007; every 3 years this foundation chooses two excellent female investigators within their first 3 years of independence for recognition and a monetary award.

### **OUTREACH ACTIVITIES**

- 2014-2016 Hosted lab tours for UCSD OASIS Summer Bridge program
- 2009, 2010 Biobridge Scientific Outreach Initiative – hosted local high school teachers and students for in lab demonstrations about RNAi Program for a lab tour
- 2007 Hosted pre-college students in UCSD's Academic Connections
- 2004 Hosted middle school students from The Academy at Black Mountain Middle School (San Diego, CA) for a lab tour

### **MENTORING**

**Ph.D. Thesis Advisor**

2004 – PhD granted 2009	John Bracht, UCSD CMG Training Grant NIH Kirschstein NRSA Post doctoral Award Associate Professor, American University
2004 – PhD granted 2009	Shaun Hunter, UCSD CMG Training Grant Scientist, Illumina Biotech
2005 – PhD granted 2009	Katlin Massirer, CAPES-Brazil Principal Investigator, CBMEG-UNICAMP, Brazil
2007 – PhD granted 2011	Zoya Kai, UCSD CMG Training Grant & UCSD Growth Regulation & Oncogenesis Training Grant Lecturer, UC San Marcos
2010 – PhD granted 2015	Vanessa Mondol, UCSD CMG Training Grant & F32 NIH Ruth L. Kirchstein Research Service Predoctoral Fellowship Post Doc, Joan Steitz Lab, Yale U
2012 – PhD granted 2016	Sarah Azoubel Lima, HHMI International Student Fellowship Science Communications Program, Brazil
2012 – PhD granted 2016	James Broughton, NSF Graduate Fellowship UCSD Chancellor's Dissertation Award Post Doc, Howard Chang Lab, Stanford U Scientist, Mammoth Biosciences
2014 – PhD granted 2019	Will Schreiner, UCSD CMG Training Grant Scientist, Illumina Biotech
2016 – present	Laura Chipman, UCSD CMG Training Grant, NSF Graduate Fellowship Achievement Rewards for College Scientists (ARCS)
2016 – PhD granted 2021	Angela Nicholson, UCSD CMG Training Grant, NSF Graduate Fellowship Scientist, Illumina Biotech
2017 – PhD granted 2021	Delaney Pagliuso, UCSD CMG Training Grant Ray Thomas Edwards Awardee Genetics Education and Engagement Fellow with the American Society of Human Genetics
2018 – present	Erin Schiksnis, UCSD CMG Training Grant
2018 – present	Corrina Elder, UCSD Genetics Training Grant
2021 – present	Nathan Barney, UCSD PiBS Training Grant

**Masters Thesis Advisor**

2005 – Masters granted 2008	Bradley Hehli (Scientist, Agilent)
2009 – Masters granted 2011	Emily Finnegan (Regulatory Specialist, ThermoFisher)
2010 – Masters granted 2011	Roger Chang (PhD, Karolinska Institute)
2018 – Master granted 2019	Jesse Hulahan (Research Assistant, Scripps)
2020 – present	Runtian Jiang

**Postdoctoral Research Advisor**

2004 – 2007	Shveta Bagga, PhD
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2007 -- 2010	Research Scientist, E.I., Dupont, Iowa Priscilla Van Wynsberghe, PhD NIH Kirschstein NRSA Award
2007 – 2011	Associate Professor, Colgate U Dimitrios Zisoulis, PhD Leukemia & Lymphoma Society Special Fellow Scientist, Regulus Therapeutics
2008 – 2010	Katya Melnik-Martinez, PhD, UCSD Growth Regulation & Oncogenesis Post Doc Training Grant
2012 – 2016	Assistant Professor, Universidad Central del Caribe Antti Aalto, PhD The Finnish Cultural Foundation Fellowship Sigrid Juselius Foundation Award Sr. Scientist, VTT Technical Research Center of Finland
2013 – 2015	Jerry Chen, PhD NIH Kirschstein NRSA Award
2017 – 2021	Bioinformatics Scientist, Encoded Genomics, Inc. Jacob Garrigues, PhD, UCSD Growth Regulation & UCSD Oncogenesis Post Doc Training Grant Bioinformatician, LA County Dept of Public Health

### **Undergraduate Biology Honors Thesis Advisor**

Fall 2005 – Summer 2006	Kenneth Finn UCSD Eureka Summer Research Fellowship PhD, UCSF; post doc, UCSF
Summer 2006 – Summer 2007	Fong Koh PhD, UCSF; post doc Singapore
Summer 2006 – Summer 2007	Hayley Pemble (co-advised with Karen Oegema, Biomedical Sciences) PhD, UCSF; BioMarin Pharmaceuticals
Fall 2008 – Summer 2011	Aleksander Gorin UCSD Eureka Summer Research Fellowship MD/PhD candidate, UCLA
Winter 2015 – Spring 2016	Jessica Huang UCSD Eureka Summer Research Fellowship PhD candidate, U of CA, Davis
Winter 2018 – Spring 2020	Devavrat Bodas UCSD Eureka Summer Research Fellowship PhD candidate, Johns Hopkins

### **Research Advisor for UCSD Undergraduate Students**

Fall 2004 – Winter 2005	Carolyn Lindsay
Fall 2005 – Spring 2006	Shehla Admani
Winter 2007	Zhi-Yang Tsun
Summer 2008 -- 2010	Victoria Burton (PhD candidate, UT Southwestern)

Spring 2009 – Fall 2009	UCSD Summer Research Fellowship
Fall 2009 – Winter 2010	Marisa Gilbert (Medical school, U of Chicago)
Spring 2010 – Winter 2011	Matthew King
	Stacy Huang (Internal Quality Auditor, Carlsbad Technology, Inc.)
Spring 2011 – 2013	Hubert Jenq (Data analyst, Pocket Gems)
Spring 2012 – 2013	Ashley Weaver
Spring 2013 – 2014	Alanna Campos
Fall 2013 – Summer 2014	Kian Nassiri
Winter 2014 – Fall 2014	Edward Aminov
Spring 2014 – Spring 2016	Kevin Wong (Research Assistant, Broad Inst.)
Spring 2014 – Fall 2014	Katherine Chan
Spring 2014 – Fall 2014	Jasmine Tat
Fall 2014 – Winter 2015	Payaam Mahdavian
Winter 2015 – Spring 2018	Gwendolyn Chang (Optometry School)
Winter 2017 – Fall 2017	Mark Holton
Winter 2018 – Spring 2019	Christina Clarke (PhD candidate, Scripps Research Institute)
Summer 2019	Lien Hardister, TRELS fellow
Winter 2019 – Spring 2020	Miguel Sanchez
	McNair Scholar, TRELS fellow
Winter 2020 – Spring 2021	Xinyi Wang
	Masters Program, UC Berkeley

### PhD Thesis Committees

2003 – PhD granted 2005	Jeremy Babendure (Roger Tsien, BMS, UCSD)
2003 – PhD granted 2007	Isaac Mehl (Ron Evans, Biology, The Salk)
2003 – PhD granted 2007	Mitchell Titus (William Stumph, SDSU/UCSD)
2004 – PhD granted 2010	James Cregg (William Schafer, Biology, UCSD)
2004 – PhD granted 2010	Derek Lemons (William McGinnis, Biology, UCSD)
2004 – PhD granted 2010	Jenni Durieux (Andrew Dillin, Biology, UCSD)
2004 – PhD granted 2009	Pepper Stockton (Jan Karlseder, Biology, The Salk)
2004 – PhD granted 2006	Xiao Guan (Steve Wasserman, Biology, UCSD)
2005 – PhD granted 2009	Jill Harrington (Richard Kolodner, BMS, UCSD)
2005 – PhD granted 2010	Susannah McKay (Tracy Johnson, Biology, UCSD)
2005 – PhD granted 2009	Joost Monen (Karen Oegema, BMS, UCSD)
2006 – PhD granted 2010	Chihunt Wong (Leanne Jones, Biology, The Salk)
2006 – PhD granted 2011	Nicole Orazio (Matthew Weitzman, Biology, The Salk)
2007 – PhD granted 2011	Julia Claggett (Tracy Johnson, Biology, UCSD)
2007 – PhD granted 2011	Benjamin O'Connor (Jean Wang, Biology, UCSD)
2007 – PhD granted 2009	Chun Ye (Eleazar Eskin, Bioinformatics, UCSD)
2007 – PhD granted 2009	Trina Norden-Krichman (Terry Gaasterland, Marine Biology, UCSD)
2008 – PhD granted 2010	Siler Pankowski (Andrew Dillin, Biology, The Salk)
2009 – PhD granted 2011	Adam Pare (William McGinnis, Biology, UCSD)
2009 – PhD granted 2011	Dana Gwinn (Reuben Shaw, Biology, The Salk)
2010 – PhD granted 2012	Stacy Erickson (Jens Lykke-Andersen, Biology, UCSD)



2010 – PhD granted 2013	John Ruedas (Jacques Perrault, SDSU/UCSD)
2010 – PhD granted 2013	Boris Reznik (Jens Lykke-Andersen, Biology, UCSD)
2010 – PhD granted 2014	Thomas Stark (Gene Yeo, Biology, UCSD)
2010 – PhD granted 2012	Maria Mihaylova (Reuben Shaw, The Salk)
2010 – PhD granted 2014	Bessie Xu (Lorraine Pillus, Biology, UCSD)
2011 – PhD granted 2013	Melissa Wilbert (Gene Yeo, BMS, UCSD)
2011 – PhD granted 2015	Panid Sharifnia (Yishi Jin, MD/PhD, UCSD)
2011 – PhD granted 2014	Shannon Muir (Webster Cavenee, BMS, UCSD)
2011 – PhD granted 2015	Rui Fu (Jens Lykke-Andersen, Biology, UCSD)
2011 – PhD granted 2017	Thomas Suter (Geoff Rosenfeld, Biology, UCSD)
2012 – PhD granted 2014	Michael Lovci (Gene Yeo, BMS, UCSD)
2012 – PhD granted 2017	Yiren Hu (Geoff Rosenfeld, Biology, UCSD)
2012 – PhD granted 2013	Heather Schultheisz (Jeanne Loring, Scripps)
2012 – PhD granted 2013	Janina Moretti (Ulrich Muller, Biochemistry, UCSD)
2013 – PhD granted 2017	Yiren Hu (Geoff Rosenfeld, Biology, UCSD)
2013 – PhD granted 2015	Ada Shao (Miles Wilkinson, BMS, UCSD)
2013 – PhD granted 2016	Russell Chan (Navtej Toor, Biochemistry, UCSD)
2013 – PhD granted 2017	Jessica Peters (Navtej Toor, Biochemistry, UCSD)
2013 – PhD granted 2015	Victoria Hurless (Robert Zeller, SDSU/UCSD)
2014 – PhD granted 2017	Olga Botvinnik (Gene Yeo, Biology, UCSD)
2014 – PhD granted 2017	Lawrence Du (Scott Rifkin, Biology, UCSD)
2014 – PhD granted 2017	Julia Nussbacher (Gene Yeo, BMS, UCSD)
2014 – present	Jason Dang (Tariq Rana, Bioengineering, UCSD)
2015 – PhD granted 2017	Bryan Arias (Simpson Joseph, Biochemistry, UCSD)
2015 – PhD granted 2021	Neeraja Vegesna (Julie Law, The Salk)
2016 – present	Antonia Darragh (Scott Rifkin, Biology, UCSD)
2016 – PhD granted 2019	Lianne Cohen (Emily Troemel, Biology, UCSD)
2016 – PhD granted 2020	Emily Wheeler (Gene Yeo, BMS, UCSD)
2016 – PhD granted 2016	Fernando Martinez (Gene Yeo, BMS, UCSD)
2017 – PhD granted 2020	En-Ching Luo (Gene Yeo, Bioengineering, UCSD)
2017 – PhD granted 2021	Alberto Carreno (J. Lykke-Andersen, Biology, UCSD)
2017 – PhD granted 2020	Timothy Shaw (J. Lykke-Andersen, Biology, UCSD)
2017 – PhD granted 2019	Jonathan Lubin (Vicki Lundblad, The Salk)
2017 – PhD granted 2021	Anna Guzikowski (Bryan Zid, Biochemistry, UCSD)
2017 – PhD granted 2020	Tian Wang (Mark Montminy, Biology, UCSD)
2018 – present	Ryan Marina (Gene Yeo, BMS, UCSD)
2018 – present	Cody Ocheltree (Jens Lykke-Andersen, Biology, UCSD)
2019 – present	Katherine Lee (H. Cooke-Andersen, Biology, UCSD)
2019 – present	Amy Pribadi (S. Chalasani, Biology, UCSD)
2019 – PhD granted 2021	Cyrus de Rozieres (J. Simpson, Biochemistry, UCSD)
2021 – present	Tiantai Ma (Jens Lykke-Andersen, Biology, UCSD)
2021 – present	Qishan Liang (Gene Yeo, BMS, UCSD)

### **Masters Thesis Committees**

2003 – Masters granted 2004	Brad Barrows (Raffi Aroian, Biology, UCSD)
2004 – Masters granted 2005	Megan Palm (William Schafer, Biology, UCSD)

2004 – present	Jia Hu (Karen Oegema, BMS, UCSD)
2005 – Masters granted 2006	Steven Nishiyama (Russell Richardson, BMS, UCSD)
2006 – Masters granted 2007	Edward Pang (David Gough, Bioengineering, UCSD)
2006 – Masters granted 2007	Kendra Hogan (Jeffrey Long, Biology, The Salk)
2007 – present	Shauna Kanel (Oliver Ryder, Biology, UCSD)
2007 – Masters granted 2007	Elizabeth Nakae (Mitchell Diccianni, Biology, UCSD)
2011 – Masters granted 2011	Merrill Mathew (Simpson Joseph, Biochemistry, UCSD)
2011 – Masters granted 2011	Andrew Yatteau (Alain Dabdoub, Biology, UCSD)
2011 – Masters granted 2012	Aaron Tsai (Jean Wang, UCSD Med School)
2012 – Masters granted 2012	Connie Chen (Alex Terskikh, Biology, UCSD)
2012 – Masters granted 2012	Melody Chang (Gene Yeo, Biology, UCSD)
2012 – Masters granted 2012	Neghin Jafarzadeh (Beverly Emerson, Biology, Salk)
2015 – Masters granted 2015	Louis Nguyen (Jean Wang, UCSD Med School)
2015 – Masters granted 2015	Mili Navani (Charles King, Biology, UCSD)
2015 – Masters granted 2015	Myanna Olsen (Jens Lykke-Andersen, Biology, UCSD)
2016 – Masters granted 2016	Kendall Higgins (Miles Wilkinson, UCSD Med School)
2016 – Masters granted 2016	Layla Fijany (Gene Yeo, UCSD Med School)
2017 – Masters granted 2017	Josolyn Chan (Jean Wang, Biology, UCSD)
2017 – Masters granted 2017	Karina Jean Kono (Yishi Jin, Biology, UCSD)
2017 – Masters granted 2018	Lourdes Myjak (Thomas Herman, Biology, UCSD)
2017 – Masters granted 2018	Aden Haskell-Mendoza (Jean Wang, Biology, UCSD)
2018 – Masters granted 2019	Elena Estrada (Matthew Daugherty, Biology, UCSD)
2018 – Masters granted 2018	Roxanne Archer (M. Daugherty, Biology, UCSD)
2018 – Masters granted 2018	Rachael Tang (Tariq Rana, UCSD Med School)
2018 – Masters granted 2019	Yinchi Li (K. Oegema, UCSD Med School)
2019 – Masters granted 2020	Teresa Chou (P. Mellon, UCSD Med School)
2019 – Masters granted 2020	Wanyu Li (T. Rana, UCSD Med School)
2020 – Masters granted 2020	Theresa Bui (Emily Troemel, Biology, UCSD)
2020 – Masters granted 2020	Paola Orozco (Shannon Lauberth, Biology, UCSD)
2020 – Masters granted 2021	Li Wang (Ju Chen, UCSD Med School)
2020 – Masters granted 2021	Bryant Cao (M. Daugherty, Biology, UCSD)

### Minor Proposition Thesis Committees

2005	Rhiannon Nolan (Lawrence Goldstein, BMS, UCSD)
2005	Justin Voog (Leanne Jones, BMS, The Salk)
2019	Patrick Bruck (A. Muorti, BMS, UCSD)
2021	Lakshmi Batachari (E. Troemel, BMS, USCD)

### Outside Thesis Committees

2016	Nicole Schirle (Ian MacRae, Scripps)
2018	Jessica Sheu-Gruttadauria (Ian MacRae, Scripps)
2018	Gregory Solis (Michael Petraschek, Scripps)

### Outside Reader Thesis Committees

2006	Mona Nolde (Frank Slack, Yale U)
2011	Michael Turner (Frank Slack, Yale U)

**First Year PhD Graduate Student Advisor**

2005	Christie Chang
2007	Emily Grossman
2008	Meghan Hogan
2009	Marcus Arribas-Layton
2010	Varahenage Ranmali Perera
2011	Sarah Azoubel Lima
2015	Laura Chipman
2016	Erica Birkholtz
2017	Megan Aubrey
2019	Hua Bai
2021	Khaisan Luc