

Curriculum Vitae

Sally Gallano Pasion

Associate Professor of Biology
San Francisco State University
1600 Holloway Avenue, San Francisco, CA 94132
Tel: 415-405-0736
E-mail: pasion@sfsu.edu
Personal pronouns: she/her/hers
URL: <https://faculty.sfsu.edu/~pasion/home>

Education

The Salk Institute, La Jolla, CA, Postdoctoral Fellow, Molecular Biology & Virology Lab, 1995-2000
University of California, Los Angeles, CA, Ph.D., Biology, 1987-1995
Harvard University, Cambridge, MA, B.A., Chemistry, 1981

Professional Experience

San Francisco State University, SF, CA, Associate Professor, Biology, 2006-present
San Francisco State University, SF, CA, Assistant Professor, Biology, 2001-2006
The Salk Institute, La Jolla, CA, Postdoctoral Fellow, Molecular Biology & Virology Lab, 1995-2000
University of California, Los Angeles, CA, Ph.D., Biology, 1987-1995
Harvard School of Dental Med, Boston, MA, Research Assistant, Biology, 1984-1987

Honors & Awards

2021, Distinguished Faculty Award for Excellence in Service, SFSU
2004, Certificate of Merit, Office of Student Programs/Leadership Development, SFSU
2003, Certificate of Merit, Office of Student Programs/Leadership Development, SFSU
2002, Certificate of Merit, Office of Student Programs/Leadership Development, SFSU
1998-2000, National Science Foundation Minority Postdoctoral Fellowship, Salk Institute
1995-1997, USPHS Cell Regulation, Differentiation and Cancer Training Grant, Salk
1993-1994, University of California Dissertation Year Fellowship, UCLA Institute
1991-1993, University of California Research Assistantship/Mentorship Grant, UCLA
1991-1992, USPHS Genetics Mechanisms Training Grant, UCLA
1989-1990, National Science Foundation Conference Grant, UCLA
1988-1991, Ford Foundation Minority Pre-doctoral Fellowship, UCLA
1987-1988, University Graduate Opportunity Fellowship, UCLA

Grant Activity

2021 – 2024

Application Number: 2017293

NSF ADVANCE Adaptation proposal (PI: Carmen Domingo ; Co-PI: Laura Mamo; Faculty Associates: Laura Burrus, Petra Dekens, Nancy Gerber, Diane Harris, Colleen Hoff, & Sally Pasion)

SF State TRANSFORMS: Advancing Equity in Faculty Workload and Professional Development

The purpose of this grant is to implement three institutional approaches to deal with 1) inequitable and non-transparent service workload that taxes gender and racial/ethnic underrepresented (UR) faculty disproportionately (SF State VALUES), 2) lack of institutional structures to support professional scholarship on a primarily undergraduate public university campus that emphasizes teaching (SF State EXPANDS), and 3) lack of advocacy and structure to mitigate the role of implicit bias and the associated intersectional gender and race assumptions in university structures (SF State RESTORES).

Amount: \$ 999,991, for 3 years; 2 courses release time over 3 years

Role: Faculty Associate

Past support

2016 - 2019

Application Number: 160826

NSF ADVANCE IT-Catalyst proposal (PI: Sue Rosser; Co-PI: Carmen Domingo, Nancy Gerber, Diane Harris, & Sally Pasion)

IT Catalyst: Evaluating the Impact of Service on Career Advancement of Women Faculty at SF State

The purpose of this grant is to survey faculty and administration in order to determine how service affects the career progress of women faculty

Amount: \$ 250,000, for 3 years; 1.5wtu per year requested

Role: Co-Principal Investigator

2016 – 2017

HHMI Biology FEST (Faculty Exploration of Scientific Teaching) mini-grant award (“in-house grant part of larger HHMI award to Department of Biology

The purpose of this mini-grant is to develop a yeast UV sensitivity module for the SF State Introductory Biology laboratory (Biol 230). This award includes coordination with the lab instructors to develop the lab activity for 20 sections of Biol 230 in Spring 2016, pre- and post-assessment of the laboratory outcomes, presentation of the project on campus and at a national meeting.

Amount: \$10,000 (Role: Principal Investigator)

2007-2012

Grant: NIH Science Education Partnership Award (PI, Kimberly D. Tanner)

Application Number: 1 R25 RR024307-01

Title: Spectrum: Building Pathways to Biomedical Research Careers for Girls and Women of Color

Amount: \$ 1,320,045, 10% RRT each semester (Role: Faculty Role Model Participant)

2004-2007

Grant: MBRS SCORE Individual Research Project S06 GM 52588

Title: Subproject #4: Role of Fission Yeast Cdc24p in Genome Stability

Amount: \$447,876, direct costs

2001-2004

Grant: NIH NCI UCSF/SFSU Collaborative-Cancer Research and Research Training (1 P20 CA91471-01, PI, Dr. Frank Bayliss), Pilot Research Project (Pasion and Blackburn, co Principal Investigators)

Title: Characterization of telomere ends in fission yeast DNA replication and repair mutants

Amount: \$300,000, direct costs

2001-2002

Grant: Biomedical Research at San Francisco State University (5 P20 RR11805, Principal Investigator: President Robert Corrigan)

Title: Subproject: Testing direct interactions between the novel fission yeast replication protein Cdc24p and the suppressor protein Dna2p helicase.

Amount: \$5000

Publications

17. Domingo, CR.; Gerber, NC; Harris, D; Mamo, L; Pasion, SG.; Rebanal, RD, and SV Rosser. (2020). More Service or More Advancement: Institutional Barriers to Academic Success for Women and Women of Color Faculty at a Large Public Comprehensive Minority-serving State University. *Journal of Diversity in Higher Education* *Journal of Diversity in Higher Education*, 2020-09-24. Web.
16. Harrison CD, Nguyen TA, Seidel SB, Escobedo AM, Hartman C, Lam K, Liang KS, Martens M, Acker GN, Akana SF, Balukjian B, Benton HP, Blair JR, Boaz SM, Boyer KE, Bram JB, Burrus LW, Byrd DT, Caporale N, Carpenter EJ, Chan YM, Chen L, Chovnick A, Chu DS, Clarkson BK, Cooper SE, Creech CJ, de la Torre JR, Denetclaw WF, Duncan K, Edwards AS, Erickson K, Fuse M, Gorga JJ, Govindan B, Green LJ, Hankamp PZ, Harris HE, He ZH, Ingalls SB, Ingmire PD, Jacobs JR, Kamakea M, Kimpo RR, Knight JD, Krause SK, Krueger LE, Light TL, Lund L, Márquez-Magaña LM, McCarthy BK, McPheron L, Miller-Sims VC, Moffatt CA, Muick PC, Nagami PH, Nusse G, Okimura KM, Pasion SG, Patterson R, Pennings PS, Riggs B, Romeo JM, Roy SW,

- Russo-Tait T, Schultheis LM, Sengupta L, Spicer GS, Swei A, Wade JM, Willsie JK, Kelley LA, Owens MT, Trujillo G, Domingo C, Schinske JN, and KD Tanner. (2019). Investigating Instructor Talk in Novel Contexts: Widespread Use, Unexpected Categories, and an Emergent Sampling Strategy. *CBE Life Sci Educ*. 18(3):ar47. doi: 10.1187/cbe.18-10-0215.
15. Owens MT, Trujillo G, Seidel SB, Harrison CD, Farrar KM, Benton HP, Blair JR, Boyer KE, Breckler JL, Burrus LW, Byrd DT, Caporale N, Carpenter EJ, Chan YM, Chen JC, Chen L, Chen LH, Chu DS, Cochlan WP, Crook RJ, Crow KD, de la Torre JR, Denetclaw WF, Dowdy LM, Franklin D, Fuse M, Goldman MA, Govindan B, Green M, Harris HE, He ZH, Ingalls SB, Ingmire P, Johnson ARB, Knight JD, LeBuhn G, Light TL, Low C, Lund L, Márquez-Magaña LM, Miller-Sims VC, Moffatt CA, Murdock H, Nusse GL, Parker VT, Pasion SG, Patterson R, Pennings PS, Ramirez JC, Ramirez RM, Riggs B, Rohlf RV, Romeo JM, Rothman BS, Roy SW, Russo-Tait T, Sehgal RNM, Simonin KA, Spicer GS, Stillman JH, Swei A, Timpe LC, Vredenburg VT, Weinstein SL, Zink AG, Kelley LA, Domingo CR, and KD Tanner. (2018) Collectively Improving Our Teaching: Attempting Biology Department-wide Professional Development in Scientific Teaching. *CBE Life Sci Educ*. 17(1), ar2. <https://doi.org/10.1187/cbe.17-06-0106>
 14. Owens MT, Seidel SB, Wong M, Bejines TE, Lietz S, Perez JR, Sit S, Subedar ZS, Acker GN, Akana SF, Balukjian B, Benton HP, Blair JR, Boaz SM, Boyer KE, Bram JB, Burrus LW, Byrd DT, Caporale N, Carpenter EJ, Chan YM, Chen L, Chovnick A, Chu DS, Clarkson BK, Cooper SE, Creech C, Crow KD, de la Torre JR, Denetclaw WF, Duncan KE, Edwards AS, Erickson KL, Fuse M, Gorga JJ, Govindan B, Green LJ, Hankamp PZ, Harris HE, He ZH, Ingalls S, Ingmire PD, Jacobs JR, Kamakea M, Kimpo RR, Knight JD, Krause SK, Krueger LE, Light TL, Lund L, Márquez-Magaña LM, McCarthy BK, McPheron LJ, Miller-Sims VC, Moffatt CA, Muick PC, Nagami PH, Nusse GL, Okimura KM, Pasion SG, Patterson R, Pennings PS, Riggs B, Romeo J, Roy SW, Russo-Tait T, Schultheis LM, Sengupta L, Small R, Spicer GS, Stillman JH, Swei A, Wade JM, Waters SB, Weinstein SL, Willsie JK, Wright DW, Harrison CD, Kelley LA, Trujillo G, Domingo CR, Schinske JN, and KD Tanner. (2017) Classroom sound can be used to classify teaching practices in college science courses. *Proc Natl Acad Sci U S A*. 114: 3085-3090.
 13. Pasion, S.G. (2002) Fission yeast blooms in Kyoto. *Trends in Genetics* 18:342-343. (Review)
 12. Pasion, S.G. and S.L. Forsburg. (2001) Deconstructing a conserved protein family: the role of MCM proteins in eukaryotic DNA replication. In *Genetic Engineering, Principles and Methods*, vol. 23. J.K. Setlow, ed. New York: Plenum Press, pp. 129-156. (Review)
 11. Pasion, S.G., Gómez, E.B., and S.L. Forsburg. (2000) Dynamic chromosomes. *Genome Biology* 1:reports4020.1-4020.3. (Review)
 10. Pasion, S.G. and S.L. Forsburg. (1999) Nuclear localization of *Schizosaccharomyces pombe* Mcm2/Cdc19p requires MCM complex assembly. *Mol Biol Cell* 10: 4043–4057.
 9. Sherman, D.A., Pasion, S.G., and S.L. Forsburg. (1998) Multiple domains of fission yeast Cdc19p (MCM2) are required for its association with the core MCM complex. *Mol Biol Cell* 9: 1833-1845.
 8. Gould, K.L., Burns, C.G., Feoktistova, A., Hu, C.P., Pasion, S.G., and S.L. Forsburg. (1998) Fission yeast *cdc24+* encodes a novel replication factor required for chromosome integrity. *Genetics* 149: 1221-1233.
 7. Pasion, S.G., Hines, J.C., Ou, X., Mahmood, R., and D.S. Ray. (1996) Sequences within the 5' untranslated region regulate the levels of kinetoplast DNA topoisomerase mRNA during the cell cycle. *Mol Cell Biol* 16: 6724-6735.
 6. Pasion, S.G., Brown, G.W., Brown, L.M., and D.S. Ray. (1994) Periodic expression of nuclear and mitochondrial DNA replication genes during the trypanosomatid cell cycle. *J Cell Sci* 107: 3515-3520.
 5. Pasion, S.G., Hines, J.C., Aebersold, R., and D.S. Ray. (1992) Molecular cloning and expression of the gene encoding the kinetoplast-associated type II DNA topoisomerase of *Crithidia fasciculata*. *Mol Biochem Parasitol* 50: 57-68.
 4. Zhang, Z-X., Kumar, V., Rivera, R.T., Pasion, S.G., Chisholm, J., and D.K. Biswas. (1989) Suppression of prolactin gene expression in GH cells correlates with site-specific DNA methylation. *DNA* 8: 605-613.
 3. Rivera, R.T., Pasion, S.G., Wong, D.T.W., Fei, Y., and D.K. Biswas. (1989) Loss of tumorigenic potential by human lung tumor cells in the presence of antisense RNA specific to the ectopically synthesized alpha subunit of human chorionic gonadotropin. *J Cell Biol* 108: 2423-2434.
 2. Kumar, V., Wong, D.T.W., Pasion, S.G., and D.K. Biswas. (1987) Defective distal regulatory element at the 5' upstream of rat prolactin gene of steroid-nonresponsive GH subclone. *Biochim Biophys Acta* 910: 213-223.

1. Pasion, S.G., Hartigan, J.A., Kumar, V., and D.K. Biswas. (1987) DNA sequence responsible for the amplification of adjacent genes. *DNA* 6: 419-428.

Oral Presentations (*since SF State appointment)

27. Asilomar Chromatin, Chromosomes, & Epigenetics Conference (Dec 7 - 10, 2017) Asilomar Conference Center, Pacific Grove, CA. Identification of new allele of *pfh1* helicase as second-site suppressor of *cdc24*
26. 9th International Fission Yeast Meeting, (May 14 – 19, 2017) Banff, Alberta, CANADA The Cds1 dosage growth defect in fission yeast *cdc24* depends on the FEN1 homolog, Rad2.
25. Asilomar Chromatin, Chromosomes, & Epigenetics Conference (Dec 10-13, 2015) Asilomar Conference Center, Pacific Grove, CA. The Cds1 dosage growth defect in fission yeast *cdc24* depends on the *FEN1* homolog, Rad2.
24. Asilomar Chromatin and Chromosomes Conference (Dec 11-14, 2014) Asilomar Conference Center, Pacific Grove, CA. Chromatin association of the fission yeast replication protein, Cdc24.
23. Asilomar Chromatin and Chromosomes Conference (Dec 12-15, 2013) Asilomar Conference Center, Pacific Grove, CA. Characterization of the fission yeast *cdc24* replication mutant.
22. Asilomar Chromatin and Chromosomes Conference (Dec 13-16, 2012) Asilomar Conference Center, Pacific Grove, CA. Characterizing genome instability in the fission yeast *cdc24* replication mutant.
21. SF State Department of Biology Retreat (Aug 21, 2010) Romberg Tiburon Center, Tiburon, CA. Fission yeast Cdc24 genetically interacts with conserved lagging strand replication proteins.
20. Asilomar Chromatin and Chromosomes Conference (Dec 8-11, 2011) Asilomar Conference Center, Pacific Grove, CA. Identification of a second site suppressor of fission yeast *cdc24*.
19. Asilomar Chromatin and Chromosomes Conference (Dec 10-13, 2009) Asilomar Conference Center, Pacific Grove, CA. Interaction between replication protein Cdc24 and the flap endonuclease Rad2 in *Schizosaccharomyces pombe*
18. 3rd North American Fission Yeast Meeting 2008 (Jun 6 – 8, 2008), University of Southern California, Los Angeles, CA. Construction of a Cdc24-GFP fusion protein to study possible physical interactions with Cds1 checkpoint kinase*
17. Project SEED Summer Research Presentations (Aug 14, 2007) Richmond, CA. Detecting a gene in fission yeast cells, or...Tag! You're it! (presented by Project SEED high school intern, L. Liang)
16. Asilomar Chromatin and Chromosomes Conference (Dec 14-17, 2006) Asilomar Conference Center, Pacific Grove, CA. Genetic interaction between fission yeast replication protein Cdc24 and the checkpoint kinase Cds1*
15. Project SEED Summer Research Presentations (Aug 14, 2006) Albany, CA. Mutator phenotype of *cdc24* (presented by Project SEED high school intern, L. Lee)
14. SFSU Colloquium in Microbiology, Cell & Molecular Biology (Biol 871), (Sep 14, 2006), San Francisco, CA. DNA replication and genome integrity: insights on a novel fission yeast protein, Cdc24*
13. Asilomar Chromatin and Chromosomes Conference (Dec 8-11, 2005) Asilomar Conference Center, Pacific Grove, CA. Interactions between Cdc24 and lagging strand DNA synthesis machinery: Cdc17 (DNA ligase I homolog) and Rad2 (flap endonuclease-1 homolog) in *Schizosaccharomyces pombe* (presented by MS student, D. Bua).
12. West Coast Chromatin and Chromosomes Meeting (Dec 9-12, 2004) Asilomar Conference Center, Pacific Grove, CA. Analysis of fission yeast *cdc24* replication mutant genetic interactions with checkpoint kinases and testing of mutator phenotype*
11. West Coast Chromatin and Chromosomes Meeting (Dec 11-14, 2003) Asilomar Conference Center, Pacific Grove, CA. Genetic interactions between novel fission yeast replication gene and checkpoint kinases*
10. West Coast Chromatin and Chromosomes Meeting (Dec 12-14, 2002) Asilomar Conference Center, Pacific Grove, CA. Fission yeast telomere length and sequence in DNA replication and repair mutants.
9. San Jose State University Flow Cytometry National Science Foundation Workshop presentation (Aug 14-15, 2002), San Jose, CA.*
8. California Institute of Technology Postdoctoral Scholars Brown Bag Lunch presentation (Jun 21, 2002), Pasadena, CA. Getting a job (and keeping it?)*
7. Bridges to the Baccalaureate Program (Feb 26, 2002) City College of San Francisco, San Francisco, CA. Fission yeast nuclear proteins—how do they get in there?*

6. West Coast Chromatin and Chromosomes Meeting (Dec 6-9, 2001) Asilomar Conference Center, Pacific Grove, CA. Suppression analysis of the fission yeast S phase mutant *cdc24* *
5. Salk Institute Cell Cycle Meeting (Jun 18-22, 1999) Salk Institute, La Jolla, CA. Nuclear localization of *S. pombe* Mcm2/Cdc19p requires MCM complex assembly.
4. Conference of Ford Fellows (Oct 16-17, 1998) UC Irvine, CA. Characterization of the nuclear localization of the conserved fission yeast replication protein Cdc19.
3. Southern California Yeast Meeting (Apr 12, 1997) UC Irvine, CA. Molecular analysis of Cdc19p, an MCM replication protein in *S. pombe*.
2. Molecular Parasitology Meeting (Sep 1993), Marine Biology Laboratory, Woods Hole, MA. Coordinate expression of nuclear and kinetoplast DNA replication genes during progression through the cell cycle in *Crithidia fasciculata*.
1. West Coast Kinetoplastid Meeting (Jul 10-12, 1993), UCLA, Los Angeles, CA. Coordinate expression of nuclear and kinetoplast DNA replication genes in *Crithidia fasciculata*.

Poster Presentations

(listed only posters since SF State appointment, presenter in bold, SFSU [†]undergraduate or *graduate students)

54. N. Vang,* and S.G. Pasion. College of Science & Engineering Project Showcase (May 4, 2018) San Francisco, CA. Characterizing the interaction of PCNA and *cdc24* mutants in *S. pombe*.
53. N. Ly,* and S.G. Pasion. College of Science & Engineering Project Showcase (May 5, 2017) San Francisco, CA. Characterization of *cdc24* second site suppressors, *csc1* and *csc2*.
52. J. Ramos,[†] and S.G. Pasion. 2016 SACNAS National Diversity in STEM Conference (Oct 24, 2016) Long Beach, CA. Does *Schizosaccharomyces octosporus cdc24+* Rescue *Schizosaccharomyces pombe cdc24* Mutant?
51. J. Ramos,[†] and S.G. Pasion. College of Science & Engineering Project Showcase (May 6, 2016) San Francisco, CA. Does *Schizosaccharomyces octosporus cdc24+* Rescue *Schizosaccharomyces pombe cdc24* Mutant?
50. E. Lujan,[†] E. N. Sison,[†] A. Cabrera,[†] and S.G. Pasion. College of Science & Engineering Project Showcase (May 9, 2014) San Francisco, CA. Cdc24 chromatin association and localization in replication mutant backgrounds
49. E. N. Sison,[†] G. M. Guerrero* and S.G. Pasion. College of Science & Engineering Project Showcase (May 9, 2014) San Francisco, CA. Does a *rad2Δ* or *polδ-ts1(pol3)* second-site mutation suppress the *cds1-cdc24 cdc* phenotype in *S. pombe*?
48. G. M. Guerrero* and S.G. Pasion. College of Science & Engineering Project Showcase (May 9, 2014) San Francisco, CA. Characterization of DNA replication checkpoint toxicity in *Schizosaccharomyces pombe*
47. N. Hoang[†] and S.G. Pasion. College of Science & Engineering Project Showcase (May 17, 2013) San Francisco, CA. Construction of two *cdc24+*-myc strains with either the *rad2Δ* or *cdc17ts* background to determine localization of *cdc24* in *Schizosaccharomyces pombe*
46. A.X. Lopez* and S.G. Pasion. College of Science & Engineering Project Showcase (May 17, 2013) San Francisco, CA. Does fission yeast *cdc24* play a role in stabilizing replication forks during replication stress?
45. A.X. Lopez* and S.G. Pasion. Society for Advancement of Chicanos and Native Americans in Science (SACNAS) National Conference (Oct 11-14, 2012) Seattle, WA. Constructing a thermosensitive fission yeast mutant to monitor Cdc24 localization during the cell cycle.
44. G. Estrada Girona*, S.G. Pasion, J. Arsuaga. 2012 Bay Area Symposium on Viruses (May 17, 2012) Berkeley, CA. Testing for Writhe-Biased DNA Packing in Bacteriophage P4
43. A. Tuazon* and S.G. Pasion. Annual Biomedical Research Conference for Minority Students (Nov 9 – 12, 2011) St. Louis, MO. Characterization of Genome Instability in *cdc24* Mutants in *S. pombe*
42. S. Chapman* and S.G. Pasion. 6th International Fission Yeast Meeting (Jun 25 – 30, 2011) Boston, MA. Identification of a second site suppressor of fission yeast *cdc24*.
41. S. Chapman* and S.G. Pasion, American Association for the Advancement of Science, Pacific Division (Jun 12 – 16, 2011) San Diego, CA. Identification of a Second Site Suppressor of *cdc24* in *Schizosaccharomyces pombe*.
40. S. G. Pasion, D. J. Bua, * J. D. Chavez, II, * M. Malek, * G. Porwal, * J. L. Cabuhat, † J. Menjivar, † E. L. Pederson 111th General Meeting American Society for Microbiology (May 21-24, 2011) New Orleans, LA.

- Fission Yeast *cdc24* Exhibits Genetic and Physical Interactions with Conserved Lagging Strand Replication Proteins
39. A. Tuazon* and S.G. Pasion College of Science & Engineering Project Showcase (May 13, 2011) San Francisco, CA. Characterization of Genome Instability in *cdc24* Mutants in *S. pombe*.
 38. S. Chapman* and S.G. Pasion. College of Science & Engineering Project Showcase (May 14, 2010) San Francisco, CA. Identification of a second site suppressor of *cdc24* in *Schizosaccharomyces pombe*
 37. A. Moolla†, M.Hardin, S.G. Pasion, M. Vazquez, and J.Arsuaga. College of Science & Engineering Project Showcase (Apr 24, 2009) San Francisco, CA. Studying spooling-like conformations for DNA knots in writhe-directed organization of DNA in phage capsids of bacteriophage P4
 36. N. Cruz* and S. G. Pasion. College of Science & Engineering Project Showcase (Apr 24, 2009) San Francisco, CA. Towards the study of a physical interaction between *cdc24* and the *cds1* checkpoint kinase in *Schizosaccharomyces pombe*
 35. N. Cruz* and S. G. Pasion. 3rd North American Fission Yeast Meeting 2008 (Jun 6 – 8, 2008) Los Angeles, CA. Construction of a Cdc24-GFP fusion protein to study possible physical interactions with Cds1 checkpoint kinase
 34. N. Cruz* and S.G. Pasion. College of Science & Engineering Project Showcase (May 9, 2008) San Francisco, CA. Construction of Cdc24-GFP Fusion Protein and Detection of its Biological Activity in *Schizosaccharomyces pombe*
 33. G.Porwal* and S. G. Pasion. SFSU Graduate Research and Creative Works Showcase (May 8, 2008) San Francisco, CA. Determining the Physical Interactions between Fission Yeast Cdc24p and Flap Endonuclease Rad2p
 32. N. Cruz* and S.G. Pasion. CSUPERB, Oakland, (Jan 2008) Construction of Cdc24-GFP Fusion Protein and Detection of its Biological Activity in *Schizosaccharomyces pombe*
 31. M. Nguyen* and S. G. Pasion. SFSU Graduate Research and Creative Works Showcase (May 10, 2007) San Francisco, CA. Genetic Interaction between Cdc24p and Checkpoint Protein Cds1p
 30. T. Reyes† and S.G. Pasion. College of Science & Engineering Project Showcase (May 4, 2007) San Francisco, CA. Identification and Characterization of *Schizosaccharomyces pombe* Telomerase RNA Gene
 29. M. Nguyen* and S.G. Pasion. American Society for Cell Biology 46th Annual Meeting (Dec 9-13, 2006) San Diego, CA. Genetic Interaction between Cdc24p and the Checkpoint Kinase Cds1p
 28. T. Reyes† and S.G. Pasion. Annual Biomedical Research Conference for Minority Students (ABRCMS) (Nov 8-11, 2006) Anaheim, CA. Identification and Characterization of *Schizosaccharomyces pombe* telomerase RNA gene
 27. D. Bua,* J.D. Chavez, II,* S.L. Forsburg, and S.G. Pasion. 2006 FASEB Summer Research Conference: Yeast Chromosome Structure, Replication and Segregation (Jun 24-29, 2006) Indian Wells, CA. Analysis of interactions between fission yeast *cdc24* and conserved lagging strand replication machinery and characterization of mutator phenotype
 26. M. Nguyen* and S. G. Pasion. SFSU Graduate Research and Creative Works Showcase (May 11, 2006) San Francisco, CA. Genetic Interaction between Cdc24p and Checkpoint Protein Cds1p in *Schizosaccharomyces pombe*
 25. K. Ahmed† and S.G. Pasion. SFSU College of Science & Engineering Project Showcase (May 6, 2006) San Francisco, CA. Genetic interaction between *cdc24* and checkpoint mutants in *Schizosaccharomyces pombe*
 24. D. Bua,* S. L. Forsburg, S. G. Pasion, Asilomar Chromatin and Chromosomes Conference (Dec 8-11, 2005) Pacific Grove, CA. Genetic interaction between *cdc24+* and *rad2+* (yeast flap endonuclease-1 homolog) in *Schizosaccharomyces pombe*. [oral presentation]
 23. K. Ahmed† and S.G. Pasion. Annual Biomedical Research Conference for Minority Students (ABRCMS) (Nov 2-5, 2005) Atlanta, GA. Genetic interaction between *cdc24* and checkpoint mutants in *Schizosaccharomyces pombe*.
 22. J. Chavez* and S.G. Pasion. Society for Advancement of Chicanos and Native Americans in Science (SACNAS) National Conference (Sep 29- Oct 2, 2005) Denver, CO. Mutator phenotype of a novel fission yeast replication mutant *cdc24*.
 21. D. Bua,* S. L. Forsburg, S. G. Pasion, Cold Spring Harbor Eukaryotic DNA Replication Meeting (Sep 7-11, 2005) Cold Spring Harbor. Genetic interaction between *cdc24+* and *rad2+* (yeast flap endonuclease-1 homolog) in *Schizosaccharomyces pombe*.

20. D. Bua* and S.G. Pasion. College of Science & Engineering Project Showcase (May 6, 2005) San Francisco, CA. Genetic and physical interactions between *cdc24* and *rad2* in fission yeast.
19. A. Dhirapong,* J. Allen,[†] S.L. Forsburg, and S.G. Pasion. Third International Fission Yeast Meeting (Aug 24-29, 2004) San Diego, CA. Fission Yeast *cdc24* Replication Mutant Exhibits Synthetic Genetic Interactions with Checkpoint Kinases.
18. A. Dhirapong,* J. Allen,[†] S. Forsburg, and S.G. Pasion. Salk Institute DNA Replication and Genome Integrity meeting (Aug 11-15, 2004) San Diego, CA. Fission Yeast *cdc24* Replication Mutant Exhibits Synthetic Genetic Interactions with Checkpoint Kinases.
17. A. Dhirapong,* J. Allen,[†] S. Forsburg, and S.G. Pasion. 2004 FASEB Summer Research Conference: Yeast Chromosome Structure, Replication and Segregation (Jul 10-15, 2004) Pine Mountain, GA. Fission Yeast *cdc24* Replication Mutant Exhibits Synthetic Genetic Interactions with Checkpoint Kinases.
16. R. Kendle,* L. Cochrane, E.H. Blackburn, and S.G. Pasion. The American Society for Cell Biology 43rd Annual Meeting (Dec 13- 17, 2003) San Francisco, CA. Fission Yeast Telomere Length and Sequence in DNA Replication and Repair Mutants.
15. R. Kendle,* S.G. Pasion, F. Bayliss, L. Cochrane, and E.H. Blackburn. Annual Biomedical Research Conference for Minority Students (Oct 15-18, 2003) San Diego, CA. Yeast telomere length and sequence in DNA replication and repair mutants.
14. A. Dhirapong,* and S.G. Pasion. Annual Biomedical Research Conference for Minority Students (Oct 15-18, 2003) San Diego, CA. Deletion of DNA replication and damage checkpoint proteins in fission yeast affects the viability of *cdc24* temperature sensitive mutants
13. J. Allen,[†] S.G. Pasion, and F. Bayliss. Annual Biomedical Research Conference for Minority Students (Oct 15-18, 2003) San Diego, CA. Allelic differences in the viability of *cdc24* temperature sensitive mutants.
12. R. Kendle,* L. Cochrane, E.H. Blackburn, and S.G. Pasion. Fission Yeast Regional Meeting East Coast Pombe Meeting (Jul 25-27, 2003) Worcester, MA. Fission yeast telomere length and sequence in DNA replication and repair mutants.
11. R. Kendle,* S.L. Forsburg, and S.G. Pasion. Salk Institute Cell Cycle Meeting (Jun 27- Jul 1, 2003) La Jolla, CA. Suppression analysis of the fission yeast S phase mutant *cdc24*.
10. R. Kendle,* L. Cochrane, and S.G. Pasion. College of Science & Engineering Student Project Showcase (May 6, 2003) San Francisco, CA. Fission yeast telomere length and sequence in DNA replication and repair mutants.
9. S.G. Pasion, R. Kendle,* L. Cochrane, and E.H. Blackburn. Telomeres and Telomerase meeting, CSHL (Apr 30-May 4, 2003) Cold Spring Harbor, NY. Fission yeast telomere length and sequence in DNA replication and repair mutants.
8. S.G. Pasion, R. Kendle,* L. Cochrane, and E.H. Blackburn. American Society for Cell Biology 42nd Annual meeting (Dec 14-18, 2002) San Francisco, CA. Fission yeast telomere length and sequence in DNA replication and repair mutants.
7. R. Kendle,* L. Cochrane, E.H. Blackburn, and S.G. Pasion. American Association for Cancer Research meeting: The Role of Telomeres and Telomerase in Cancer. (Dec 7-11, 2002) San Francisco, CA. Fission yeast telomere length and sequence in DNA replication and repair mutants.
6. R. Kendle,* S.G. Pasion, F. Bayliss, L. Cochrane, and E.H. Blackburn. Annual Biomedical Research Conference for Minority Students (Nov 13-16, 2002) New Orleans, LA. Yeast telomere length and sequence in DNA replication and repair mutants.
5. R. Kendle,* L. Cochrane, E.H. Blackburn, and S.G. Pasion. Salk Institute DNA Replication and Genomic Integrity (Aug 17-21, 2002) La Jolla, CA. Fission yeast telomere length and sequence in DNA replication and repair mutants.
4. S.G. Pasion and S.L. Forsburg. National Cancer Institute Professional Development and Peer Review Workshop (Apr 29-30, 2002) Gaithersburg, MD. Suppression analysis of the fission yeast S phase mutant *cdc24*.
3. R. Kendle,* L. Cochrane, E. H. Blackburn, and S.G. Pasion. International Fission Yeast Meeting (Mar 25-30, 2002) Kyoto, Japan. Fission yeast telomere length and sequence in DNA replication and repair mutants.
2. M. Hararah,[†] S.L. Forsburg, S.G. Pasion. Annual Biomedical Research Conference for Minority Students (ABRCMS) (Oct 31-Nov 3, 2001) Orlando, FL. Suppression of fission yeast *cdc24* by Dna2p does not depend on flap endonuclease.

1. S.G. Pasion and S.L. Forsburg. Salk Institute Cell Cycle Meeting (Jun 22-26, 2001) Salk Institute, La Jolla, CA. Suppression analysis of the fission yeast S phase mutant *cdc24*.

Courses Taught

Undergraduate

Biology for Today's World
Genetic Revolution
General Parasitology
Molecular Genetics
Experiments in Cell and Molecular Biology
Honors Genetics

Graduate

Seminar: Biology of the Cell Cycle
Seminar: DNA Transactions
Colloquium in Microbiology, Cell, & Molecular Biology
Cell & Molecular Techniques

Academic Service

Internal – SF State

Department of Biology Service

Biology Summer Lab Activity Modification Project (BioSLAM) (Summer 2020) [*prepare for remote instruction in the fall 2020 semester, and to align our lab courses with our Core Competencies and develop modules grounded in equity and inclusion*]

NIH Bridges to Baccalaureate Program Directed Research Program, Co-instructor (Summer 2007 - 2019) [*taught ~20 community college students microbiology and molecular biology lab techniques, Mon-Fri, 9am – 4pm, for 4 weeks, mentored them through their research project which they presented at poster presentation*]

NIH Bridges to Baccalaureate Program Mentor (summer 2001, 2003, 2004, 2005, 2006) [*mentored one community college student in independent research project in my lab*]

Peer Assistants in Learning Science (PALS) program (Fall 2019, Fall 2020, Spring 2021)[*embeds students of color in the genetics/molecular genetics class as Learning Assistants who participate in helping support inclusive activities during class, as well as contribute to developing inclusive activities in genetics curricula*]

Faculty Partner, HHMI Biology FEST Learners Engaged in Advocating for Diversity in Science (2018-2019) [*use of student-authored Scientist Spotlights in class to increase student inclusivity in STEM*]

Microbiologist Search Committee, Department of Biology (Fall 2018-Spring 2019)

Department of Biology Web Site Revision Committee (Summer 2008)

Department of Biology Undergraduate Curriculum and Advising Committee (2006 – current)

Bioinformaticist Search Committee, Department of Biology (Fall 2005-Spring 2006)

Bioinformaticist Search Committee, Department of Biology (Fall 2003-Spring 2004)

Eukaryotic Geneticist Search Committee, Department of Biology (Fall 2002-Spring 2003)

General Biology Advisor, Department of Biology, SFSU (Fall 2001- present)

Scholarships Committee, Department of Biology, SFSU (Fall 2001-Spring 2005)

Graduate Assistance in Area of National Need (GAANN) Scholarships Committee, Department of Biology, SFSU (Spring 2001)

Sneak Preview Day – Participant for Biology Department (2003, 2005, 2006)

Sneak Preview Day – Coordinator (Spring 2007, 2008, 2010- 2019) [*recruit and organize volunteers for meeting with prospective students, coordinate with volunteers for lab open house activities, print up name badges for volunteers, generate and post signage to advertise biology activities, coordinate refreshments to support volunteers, coordinate with biology office, SEPAL, and stockroom to reserve rooms and tables*]

Biology Advising Coordinator (2007- 2018) [*approval of course equivalencies and substitutions, training new faculty for Biology advising, updating graduation checklists*]

Summer Biology Advising Coordinator (Summer 2007-2020) [*working with two – three other major advisors to advise all biology majors, probation advising, COSE Summer orientation transfer advising, graduation application approval, course selection*]

College of Science & Engineering Service

Subject Matter Waiver Program Renewal for Biology – for students entering Credential Program for Single Subject Credential in Biological Sciences (Summer and Fall 2018)

COSE Student Project Showcase, judge (May 2007, 2008, 2010, 2011, 2012, 2014, 2015, 2016, 2017, May 2018)

Women in Science & Engineering (WISE), COSE organization, Coordinating Committee member (Spring 2010 – present)

Bechtel Foundation Foundational Science Partnership A Model Collaboration Between Universities on Improved Science Preparation for K-8 Teachers, SFSU Participant (Fall 2011 – Spring 2012)

Bechtel Foundation Community College Transfer Program for Future Math/Science Teachers Grant, SFSU Participant (Spring 2010)

Subject Matter Waiver Program Renewal for COSE - Biology (Spring 2008)

Teaching Mentor for NIH IRACDA UCSF Postdoctoral Fellows (Miquella Chavez- Fall 2011-Spring2012; Teresa Monkonnen- Fall 2018-Spring 2019; Zer Vue- Spring 2020)

Teaching Mentor for US Department of Education FIPSE program, A Postdoctoral Curriculum: Preparing the Nation's Professoriate (Spring 2005; Dale Cameron-Spring 2007 and Fall 2007)

SFSU Math 490/414/714 (J. Arsuaga and M Vazquez, instructors) (Mar 6, 2007; Apr 10, 2008; May 10, 2010; Apr 21, 2011; Apr 18, 2012; May 9, 2013) Host of Laboratory visit for Gel Electrophoresis of DNA topic

College of Science and Engineering Annual Retreat (Jan 2006) Breakout Discussion Group, Co – Leader for Advising, Retention, and Graduation Group

College of Science and Engineering Annual Retreat (Spring 2004) Breakout Discussion Group, Co – Leader for Recruitment and Retention Group

College of Science and Engineering Advising Workshop Committee (Fall 2002)

Career Panel participant, Doctoral Preparation Workshop for SFSU RISE/MARC juniors (Jun 27, 2002)

College of Science and Engineering Safety Committee (Spring 2002)

University Service

SF State Faculty Ambassador – Transfer Orientation (Jun -Jul 2020; Jun -Jul 2021)

All-University Programs for Educator Preparation Council (AUPEP) member (Spring 2021)

Online Teaching Laboratory Faculty Mentor (CEETL) (Fall 2020)

SF State Faculty Ambassador for Freshmen and Transfer Orientations, College of Science & Engineering representative (Jun - Jul 2012; Jun - Jul 2013; Jun - Jul 2014)

Academic Senate COSE representative (2013 – 2020): Academic Policies Committee (Fall 2013-Spring 2015);

Curriculum Review & Approval Committee (Fall 2015 –Spring 2020)

Foundations of Excellence First Year – Learning Dimensions Committee – focus on courses with High DFWI rates (Spring 2017)

SF State University Undergraduate Academic Advising Task Force (Fall 2015 – Spring 2016)

Educational Opportunity Program – Explore a Career in Science – Panelist (Sep 29, 2011)

University Committee on Clicker Standardization (Fall 2010 & Spring 2011)

Participant in iLearn Learning Management System Presentation to Provost Gemello (Dec 2005)

Intersegmental Major Preparation Articulated Curriculum (IMPAC) project SFSU Biology Discipline representative (2004-2006)

California State University Lower Division Transfer Project Committee—SFSU representative (Fall 2004)

Pilipino American Science Society, Faculty Advisor, SFSU (2001-2003)

CSU Statewide

CSUPERB (CSU Program for Education in Research and Biotechnology)

32nd CSUPERB Symposium (Jan 16, 2020) Santa Clara Marriott, Graduate Research Fellowship Program Proposal Writing Workshop presenter and facilitator [*planning, developed carousel activity to introduce broader impacts for NSF GRFP applicants, present overview on NSF GRFP*]

31st CSUPERB Symposium (Jan 3, 2019) Hyatt Regency Orange County, Graduate Research Fellowship Program Proposal Writing Workshop presenter and facilitator

30th CSUPERB Symposium (Jan 11, 2018) Santa Clara Marriott, Graduate Research Fellowship Program Proposal Writing Workshop presenter and facilitator
29th CSUPERB Symposium, (Jan 5, 2017) Santa Clara Marriott, Graduate Research Fellowship Program Proposal Writing Workshop presenter and facilitator
26th Annual CSU Biotechnology Symposium (Jan 8, 2016), Hyatt Regency Orange County, Participant in Graduate School Information Session: How to Succeed in Graduate School
26th Annual CSU Biotechnology Symposium (Jan 9, 2015), Santa Clara Marriott, Participant in Graduate School Information Session: How to Succeed in Graduate School
22nd Annual CSU Biotechnology Symposium (Jan 8, 2010), Santa Clara Marriott, Co-organizer of Student Session: "Naturally Obsessed" film & discussion

Service: External – Community

SFSU Personalized Medicine Conference, Support (May 2008, 2009); Organizing Committee (May 2010 – 2019)
NSF Graduate Research Fellowship Program (GRFP) Panelist (Feb 2005, 2006, 2007, 2008, 2009, 2010, 2011-Chair of panel, 2013; Jan 2016) [*Genetics, Genomics & Proteomics Panel; Genetics & Evolutionary Biology Panel, Cell Biology Panel*]
Mentor Summer Visiting University Intern (Viivi Koivu, University of Turku, Finland) (summer 2016)
Expanding Your Horizons Conference, SFSU, Workshop Leader: DIY DNA Necklace (Nov 20, 2010; Oct 29, 2011; Oct 13, 2012; Nov 2, 2013; Nov 14, 2015)
Keynote speaker, Expanding Your Horizons Conference, SFSU (Nov 21, 2009)
Faculty participant for two discussions: "Teaching and Research at a Primarily Undergraduate Institution" and "Setting Up Your Lab," UCSF Leadership and Lab Management Course (Jun 30, 2009)
Intel International Science Fair, San Jose, CA (May 2010) Grand Award Judge in Microbiology
Mentor Summer High School Intern (summer 2009- Alice Liu)
Project SEED Mentor (summer 2006- Lori Lee, 2007- Lisa Liang)
Participant in the California Institute of Regenerative Medicine Diversity Focus Group Meeting (CIRM, San Francisco, CA, Aug 26 2006)
Mentor Summer High School Intern (summer 2005-Philbert Lee)
United States Environmental Protection Agency, Region IX, National African American History Month recognition activity – showing of documentary *The Real Eve*, scientist participant for Q&A (Feb 2003)
San Jose State University Flow Cytometry National Science Foundation Workshop presentation (Aug 14-15, 2002)
Caltech Postdoctoral Scholars Brown Bag Luncheon presentation (Jun 21, 2002)
City College of San Francisco - Bridges to Baccalaureate Program presentation, "Fission yeast nuclear proteins—how do they get in there?" (Feb 2002)

Service: External – Professional

Asilomar Chromatin & Chromosomes Conference, Co-organizer, Pacific Grove, CA (Dec 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020) [*coordinate registration, set up presentation schedule, maintain conference web page*]
Sabbatical Visiting Scholar Stanford University Spring 2009 (Laboratory: Dr. Teresa Wang, Stanford Medical School)
2006 NIH National Human Genome Research Institute Minority Action Plan Review panelist (July 2006)
Local Arrangements Committee member, American Society for Cell Biology 45th Annual Meeting (Apr 2005-Dec 2005)
Participant in National Cancer Institute MICCP Funded Investigators Workshop, Breakout Session (Bethesda, Nov 20-23, 2003)
Session Chair for Nuclear Structure and Function II session, West Coast Chromatin and Chromosomes Meeting (Dec 12-14, 2003)
Local Arrangements Committee member, American Society for Cell Biology 43rd Annual Meeting (April 2003-December 2003)
Session Chair for Nuclear Functions I session, West Coast Chromatin and Chromosomes Meeting (Dec 12-14, 2002)
Moderator Dissertation Sciences Workshop Ford Fellows Conference (Oct 4-5, 2002)
Panelist Special Interest Session Surviving Graduate School Ford Fellows Conference (Oct 4-5, 2002)
San Francisco Microscopical Society Member (Fall 2001 to 2003)

Intel International Science Fair, Grand Award Judge in Microbiology, San Jose, CA (May 2001)
NSF Minority Postdoctoral Fellows Meeting Panel (April 5-6, 2001)

Professional Development

Participant in Academics for Black Survival and Wellness Online (Jun 2020)
CEETL Online Teaching Lab Participant -Summer 2020
Variant Curation in the Classroom - Classification Workshop (CSU Monterey Bay, Aug 16 2019)
HHMI Biology FEST Summer Institute (Scientific Teaching), Participant (Jun 10 – 14, 2013)
Participant in SFSU CET Workshop: Online Teaching and Learning with iLearn (Jul 11-15, 2005)
Participant in Workshop: “Introduction to the UCSC Genome Browser”, UCSC Bioinformatics Group (UCSC Extension Campus, Cupertino, CA, Oct 5, 2004)
Participant in Dolan DNA Learning Center Bioinformatics Workshop (CSHL/UCLA-Harbor Research and Education Institute, Torrance CA Aug 4-8, 2003)
Participant in Workshop: Online Teaching with Blackboard, SFSU Center for the Enhancement of Teaching, (Jun 16-20, 2003)

Memberships

National Associate of Biology Teachers (2009, 2018-2020)
American Society for Human Genetics (2014, 2016, 2018)
Genetics Society of America (2018)
National Science Teachers Association member (2004, 2013, 2021)
California Science Teachers Association member (2009 2011, 2021)
American Society for Microbiology Member (2002 to present)
American Association for the Advancement of Science Member (2001 to present)
American Society for Cell Biology Member (2000 to present)

Professional and Civic Activities prior to joining SF State

Salk Institute Society of Research Fellows organizational committee member, founding member (1998-2000)
Salk Institute Mobile Science Van Middle School Outreach (1998-2000)
McNair Scholars Program Career Discussion Panel, San Diego State University (1997, 1998)
NSF Summer High School Student Researcher program, Salk Institute (1997)