Geoffrey Paul Lin-Cereghino, Ph.D.
Professor
Department of Biological Sciences
University of the Pacific
3601 Pacific Avenue
Stockton, CA 95211
Phone: (209) 946-2988, FAX: (209) 946-3022
Email: glincere@pacific.edu

Education:

B.S. 1989, Biochemistry, University of California, Davis
Ph.D. 1995, Biology, University of California, San Diego

Honors, Awards, and Grants:

Collegiate:

Graduation with Highest Honors
Award of Distinction, Department of Biochemistry
Outstanding Junior Award, College of Agriculture
University of California Regents Scholar
Outstanding Inductee, Golden Key National Honor Society

Graduate:

National Science Foundation Predoctoral Fellowship, 1990-1993
Departmental Excellence in Teaching Award, 1993, 1994

Postdoctoral:

National Institute of Environmental Health Sciences National Research Service Award ES05759 (1997-99)

Professional:

Intramural

Arthur A. Dugoni School of Dentistry Research Pilot Project Award, 2022
Scholarly and Artistic Activity Grants, University of the Pacific, 2001, 2007, 2009, 2013, 2018, 2022
Open Educational Resources Faculty Pilot Program Grant, 2017
Pacific Fund Grant, 2015, 2017
College Research Fund Grant, 2015, 2016
Excellence in Undergraduate Research Mentoring Award, 2014
Robert and Jeanette Powell Mentor Award, 2014
Faculty Seed Grant, University of the Pacific, 2010, 2012
Stephen E. Corson Award for Distinguished Teaching of Freshmen, 2008
Pacific Fund Grant with undergraduate Amy Huang, 2008
Outstanding Student Organization Advisor, University of the Pacific, 2005
Sponsor, Dreyfus Research Award, student Matthew Hashimoto, 2004
Academic Facilities Improvement Grant, University of the Pacific, 2003
Holmok Cancer Research Grant, University of the Pacific, 2001

Extramural

National Institutes of Health-AREA Grant 1R15 GM129758-01, "Analysis of Secretory Mechanisms and Heterologous Proteins in *Pichia pastoris*," Co-PI with Andreas H. Franz and Joan Lin-Cereghino, $298,426 (2018-2022)
National Science Foundation Major Research Instrumentation Grant 1531417, "Acquisition of Mass Spectrometry for Research and Training," Co-PI with Craig Vierra, PI, $579,135 (2015-2018)

National Science Foundation RUI Grant DMR-1105310, "The Molecular Mechanisms and Mechanical Behavior of Spider Glue Silks," Co-PI with Craig Vierra, PI, $320,000 (2011-2015)
National Institutes of Health-AREA Grant 2R15 GM065882-03, "Analysis of Protein Secretion in *Pichia pastoris*," Co-PI with Joan Lin-Cereghino, $175,391 (2009-2013)
National Institutes of Health-AREA Grant 2R15 GM065882-02, "Analysis of Protein Secretion in *Pichia pastoris*," Co-PI with Joan Lin-Cereghino, $163,500 (2006-2009)
National Science Foundation Instrument Acquisition Grant, Acquisition of DNA Microarray Technology for Biological Research, C. Vierra PI, $66,725 (2003-2005)
National Institutes of Health-AREA Grant 1R15 GM065882-01, "Analysis of Protein Secretion in *Pichia pastoris*," Co-PI with Joan Lin-Cereghino, $121,500 (2002-2005)
Contracts for protein expression services, Protein Scientific Corp, $28,700 (2006-7, 2003-4, 2002-3)
Contract for recombinant protein production, Dr. Andrew Singson, Rutgers University, $5,000 (2001)

Professional Experience

9/11-present — Professor (Joint appointment with wife, Joan Lin-Cereghino), Department of Biological Sciences, University of the Pacific
• Teaching the following courses: Principles of Biology I and II, Microbiology, Industrial Microbiology, Gene Expression Technology, Graduate Seminar, Undergraduate Research
• Jointly supervising the research projects of graduate and undergraduate students, focusing on the improvement of the yeast *Pichia pastoris* as a host for recombinant protein expression
• Advising biological science majors and pre-dental students (approximately 30 advisees/year)
• Acted as the faculty liaison for Career Resource Center (2017-2018)
• Served on various departmental faculty search and tenure/promotion committees (Faculty Compensation, Experiential Learning Oversight, Faculty Grievance, Student Judicial, Athletics Advisory)

9/06-8/11 — Associate Professor (Joint appointment with wife, Joan Lin-Cereghino), Department of Biological Sciences, University of the Pacific

8/00- 8/06 — Assistant Professor (Joint appointment with wife, Joan Lin-Cereghino)
Department of Biological Sciences, University of the Pacific

4/97-7/00 — Postdoctoral Research Associate/Acting co-Principal Investigator (8/99-5/00), Advisor: James M. Cregg
Department of Biochemistry and Molecular Biology, Oregon Graduate Institute of Science and Technology
• Recipient of National Institute of Environmental Health Sciences Postdoctoral Fellowship
• Studied the *cis*- and *trans*-acting factors that regulate the expression of the alcohol oxidase 1 gene of the methylotrophic yeast *Pichia pastoris*
• Co-managed laboratory operations (purchasing, equipment maintenance, etc.)

7/96-4/97 — Postdoctoral Research Associate, Advisor: Michael H. Gold
Department of Biochemistry and Molecular Biology, Oregon Graduate Institute of Science and Technology

• Investigated the transcriptional regulation of the manganese peroxidase genes and the overexpression of the quinone reductase gene of the lignin-degrading fungus *Phanerochaete chrysosporium*

7/95-6/96 — Visiting Assistant Professor, Department of Biology, Haverford College
• Instructed the following courses: Cell Structure and Function, Laboratory in Immunology, Senior Seminar in Gene Expression, Advanced Protein Structure
• Supervised the thesis research projects of senior undergraduates in the field of regulated mRNA turnover in *Saccharomyces cerevisiae*
• Coordinated resources for summer research opportunities for undergraduates at outside institutions

9/89-5/95 — National Science Foundation Predoctoral Fellow, Advisor: Dr. Immo E. Scheffler
Department of Biology, University of California, San Diego
• Investigated the mechanism by which the expression of the genes of the succinate dehydrogenase complex is regulated in *Saccharomyces cerevisiae* in response to changes in carbon source.
• Served as a teaching assistant for: Laboratory in Biochemical Techniques, Introductory Biochemistry, Cell Biology, and Human Genetics.

3/89-8/89 — Intern/Biologist, Syntex Pharmaceuticals, Palo Alto, CA
• Assayed the effects of various immmunological reagents on the growth and secretion of B and T cells in culture

9/88-3/89 — Research Technician, Department of Avian Sciences
University of California, Davis
• Analyzed mRNA levels and specific activities of enzymes associated with fatty liver hemorrhagic disease in chickens

1/88-3/89 — Counselor/Resident Advisor, Upward Bound Project
University of California, Davis
• Provided tutoring and advising to underprivileged high school students to motivate them to attend college

7/87-9/87 — Research Intern, Heublein Wines, Madera, CA
• Assessed losses incurred by ion exchange chromatography in the production of grape concentrate

Peer Reviewed Publications and Invited Reviews (* = University of the Pacific students)

Lin-Cereghino J, Naranjo CA*, and **Lin-Cereghino GP**. 2022. Protocol for Competent Cell Preparation and Transformation of *Pichia pastoris. Methods in Molecular Biology,* Springer Science+ Business Media, New York, NY vol 2513: pp.113-120

Ingram Z*; Patkar A*; Oh D*; Zhang KK*, Chung C*; Lin-Cereghino J; and **Lin-Cereghino, GP**. 2021. Overcoming Obstacles in Protein Expression in the Yeast *Pichia pastoris*: Interviews of Leaders in the Pichia Field," Pacific Journal of Health: Vol. 4 : Iss. 1 , Article 2.
https://scholarlycommons.pacific.edu/pjh/vol4/iss1/2

Le HH*, Vang D, Amer, N*, Vou T*, Yee C*, Kaou H*, Harrison JS, Xiao N, Lin-Cereghino J, **Lin-Cereghino GP**, and Thor D. 2020. Enhancement of cell proliferation and motility of mammalian cells grown in co-culture with Pichia pastoris expressing recombinant human FGF-2. *Protein Expr Purif* 176:105724. doi:https://doi.org/10.1016/j.pep.2020.105724

Naranjo CA*, Jivan AD*, Vo MN, de Sa Campos KH*,Deyarmin JS*, Hekman RM*, Uribe C, Hang A*, Her K*, Fong MM*, Choi JJ*, Chou C*, Rabara TR*, Myers G*, Moua P*, Thor D, Risser DD, Vierra CA, Franz AH, Lin-Cereghino J and **Lin-Cereghino GP**. 2019. Characterization of the role of *BGS13* in the secretory mechanism of *Pichia pastoris*. *Applied and Environmental Microbiology* 85 (24) e01615-19; DOI: 10.1128/AEM.01615-19

Wang S*, Singh M*, Ling M, Li D, Christison KM, Lin-Cereghino J, **Lin-Cereghino GP**, and Xue L. 2018. Synthesis of nucleobase-neomycin conjugates and evaluation of their DNA binding, cytotoxicities, and antibacterial properties. *Medicinal Chemistry Research* 27(5):1517-1527.

Chahal, S*, Wei P*, Moua P*, Park SP*, Kwon J*, Patel A*, Vu AT*, Catolico JA*, Tsai YF*, Shaheen N*, Chu TT*, Tam V*, Khan ZE*, Joo HH, Xue L, Lin-Cereghino J, Tsai JW, and **Lin-Cereghino GP**. 2017. Structural characterization of the α-mating factor prepro-peptide for secretion of recombinant proteins in *Pichia pastoris*. *Gene* 598: 50-62.

Moua, PS*, Gonzalez A*, Oshiro KT*, Tam V*, Li Z*, Chang J*, Leung W*, Yon A*, Thor D, Venkatram S, Franz AH, Risser DD, Lin-Cereghino J, and **Lin-Cereghino GP**. 2016. Differential Secretion Pathways of Proteins Fused to the *Escherichia coli* Maltose Binding Protein (MBP) in *Pichia pastoris*. *Protein Expr Purif* 124: 1-9.

Winkler, W, J Lin-Cereghino, and **GP Lin-Cereghino**. 2015. Random Mutagenesis *Methods in Molecular Biology (389) Pichia Protocols, 3rd edition*. Humana Press, Totowa, NJ.

Larsen S*, Weaver J*, de Sa Campos K*, Bulahan R*, Nguyen J*, Grove H*, Huang A*, Low L*, Tran N*, Gomez S*, Yau J*, Ilustrisimo T*, Kawilarang J*, Lau J*, Tranphung M*, Chen,I*, Tran C*, Fox M, Lin-Cereghino J and **Lin-Cereghino GP**. 2013. Mutant Strains of *Pichia pastoris* with Enhanced Secretion of Recombinant Proteins. *Biotech. Letters* 35(11):1925-35.

Lin-Cereghino, GP, Stark, CM*, Kim D*, Chang J*, Shaheen N*, Moua P*, Poerwanto H*, Agari K*, Low LK*, Chang JW*, Tran N*, Nattestad M*, Oshiro KT*, Chavan A*, Tsai JW, and Lin-Cereghino J. 2013. The Effect of α-Mating Factor Secretion Signal Mutations on Recombinant Protein Expression in *Pichia pastoris. Gene* 519: 311-317.

Staley CA*, Huang A*, Nattestad M*, Oshiro K*, Ray L*, Mulye T*, Li Z*, Le T*, Stephens JJ*, Gomez SR*, Moy A*, Nguyen JC*, Franz AH, Lin-Cereghino J, and **Lin-Cereghino GP**. 2012. Analysis of the 5' Untranslated Region (5' UTR) of the alcohol oxidase 1 (*AOX1*) gene in recombinant protein expression in *Pichia pastoris. Gene* 496:118-127.

Gnesa E*; Hsia Y*; Yarger JL; Weber W; Lin-Cereghino J; **Lin-Cereghino GP;** Tang S; Agari K*; and Vierra C. 2012. The conserved C-terminal domain of spider tubuliform spidroin 1 contributes to extensibility in synthetic fibers. *Biomacromolecules* 13(2):304-312.

Li Z*, Moy A*, Gomez SR*, Franz AH, Lin-Cereghino J, and **Lin-Cereghino GP**. 2010. An improved method for enhanced production and biological activity of human secretory leukocyte protease inhibitor (SLPI) in *Pichia pastoris*.. Biochemical and Biophysical Research Communications 402:519-524.

Li, Z*, Leung W*, Yon A*, Nguyen J*, Perez VC*, Vu J*, Giang W*, Luong LT*, Phan T*, Salazar KA*, Gomez SR*, Xiang F, Thomas D, Franz AH, Lin-Cereghino J, and **Lin-Cereghino GP**. 2010. Secretion and proteolysis of heterologous proteins fused to the *E. coli* maltose binding protein in *Pichia pastoris*. Protein Expr Purif.:72:113-124.

Thor D*, Uchizono JA, **Lin-Cereghino GP**, and Rahimian R. 2010. The effect of 17 β-estradiol on intracellular calcium homeostasis in human endothelial cells. Europ. Journ. Pharmacology 630: 92–99.

Li Z*, Moy A*, Sohal K*, Dam C*, Kuo P*, Whittaker J, Whittaker M, Düzgünes N, Konopka K, Franz AH, Lin-Cereghino J, and **Lin-Cereghino GP**. 2009. Expression and characterization of recombinant human

secretory leukocyte protease inhibitor (SLPI) protein from *Pichia pastoris*. Protein Expr Purif. 2009:67(2):175-81.

Hartner, FS, Ruth C, Langenegger D, Hyka P, Johnson SN*, **Lin-Cereghino GP**, Lin-Cereghino J, Kovar K, Cregg JM, and Glieder A. 2008. Engineered *Pichia pastoris AOX1*-based promoter libraries for fine-tuning gene expression. Nucleic Acids Research 36 (12): e76. Epub 2008 Jun 6.

Lin-Cereghino**,** J, Hashimoto MD*, Moy A*, Castelo J*, Orazem CC*, Kuo P*, Xiong S*, Gandhi V*, Hatae CT*, Chan A*, and **Lin-Cereghino GP**. 2008. Direct selection of *Pichia pastoris* expression strains using new G418 resistance vectors. Yeast 25:293-299.

Lin-Cereghino, GP, W Leung*, and J Lin-Cereghino. 2007. Expression of protein in *Pichia pastoris* in M. R. Dyson and Y. Durocher (Eds.) *Methods Express: Protein Expression*. Scion Publishing, pp. 86-97.

Lin-Cereghino, J and **GP Lin-Cereghino**. 2007. Vectors and Strains for Expression in J. M. Cregg (Ed.) *Methods in Molecular Biology (389) Pichia Protocols, 2nd edition*. Humana Press, Totowa, NJ, pp. 11-25

Yount, BA*, J Lin-Cereghino, **GP Lin-Cereghino**, and M.M. Fox. 2006. Preparation of the yeast *Pichia pastoris* for transmission electron microscopy. Microscopy Today 14(5):36-7.

Lin-Cereghino, GP, L Godfrey, BJ De la Cruz, S Khouangsathiene, S Johnson*, I Tolstorukov, M Yan, J Lin-Cereghino, M Veenhuis, S Subramani, and JM Cregg. 2006. Mxr1p,a key regulator of the methanol-utilization-pathway and peroxisomal genes in *Pichia pastoris*. Mol. Cell. Biol. 26(3):883-897.

Thor, D*, S Xiong*, CC Orazem*, A Kwan*, JM Cregg, J Lin-Cereghino, and **G.P. Lin-Cereghino**. 2005. Cloning and characterization of the *Pichia pastoris MET2* gene as a selectable marker. FEMS Yeast Res. 5:935-942.

Lin-Cereghino J, WW Wong*, S Xiong*, W Giang*, LT Luong*, J Vu*, SD Johnson*, and **G.P. Lin-Cereghino.** 2005. Condensed protocol for competent cell preparation and transformation of the methylotrophic yeast *Pichia pastoris*. BioTechniques 38:44-48.

Orazem CC*, C Oshiro*, S Urbano*, BA Yount*, PA Richmond, **GP Lin-Cereghino,** and J Lin-Cereghino. 2004. Expression and localization of the enhanced green fluorescent protein in the peroxisomes of the methylotrophic yeast *Pichia pastoris*. Bios 75(4): 147-154.

Lin Cereghino, GP, J Lin Cereghino, C Ilgen, and JM Cregg. 2002. Production of recombinant proteins in fermenter culture of the yeast *Pichia pastoris*. Curr. Opin. Biotech. **13**:329-332.

Cereghino, GPL, AJ Sunga, JL Cereghino, and JM Cregg. 2001. Expression of foreign genes in the yeast *Pichia pastoris.* In Genetic Engineering, J. K. Setlow (Ed.) vol. 23: 157-170.

Serrano, A, **GP Lin Cereghino**, P Ferrer, JM Cregg, and F Valero. 2001. Overexpression of a *Rhizopus oryzae* lipase in *Pichia pastoris* strains containing multiple copies of the target gene. In Recombinant Protein Production with Prokaryotic and Eukaryotic Cells-a Comparative View on Host Physiology, O-W. Merten et al. (Ed.)

Cereghino, GPL, JL Cereghino, AJ Sunga, MA Johnson, M Lim, M Gleeson, and JM Cregg. 2001. New selectable marker/auxotrophic host combinations for molecular genetic manipulation of *Pichia pastoris*. Gene 263(1-2): 159-169.

Sollewijn Gelpke, M, M Mayfield-Gambill, **GPL Cereghino**, and MH Gold. 1999. Homologous expression of lignin peroxidase in *Phanerochaete chrysosporium*. Appl. Environ. Microbiol. 65(4):1670-1674.

Cereghino, GPL and JM Cregg. 1999. Applications of yeast in biotechnology: protein production and genetic analysis. Curr. Opin. Biotechnol. 10(5): 422-427.

Cereghino, GP and IE Scheffler. 1996. Genetic analysis of glucose regulation in *S. cerevisiae*: control of transcription versus mRNA turnover. EMBO Journal 15:363-374.

Cereghino, GP, DP Atencio, M Saghbini, J Beiner, and IE Scheffler. 1995. Glucose-dependent turnover of the mRNAs encoding succinate dehydrogenase peptides in *S. cerevisiae*: sequence elements in the 5' untranslated region of the Ip mRNA play a dominant role. Mol. Biol. Cell 12:1125-1143.

Cereghino, GP 1995. The control of mRNA turnover as a mechanism of glucose repression in *Saccharomyces cerevisiae*. Ph.D. Dissertation, University of California, San Diego.

Lombardo, A, **GP Cereghino**, and IE Scheffler. 1992. The control of mRNA turnover as a means of glucose repression in *S. cerevisiae*. Mol. Cell. Biol. 12:2941-2948.

Other Publications

Lin-Cereghino, GP. 2017. *Geoff's Essential Microbiology 2017.* OpenStax. https://legacy.cnx.org/content/col12243/1.1.

Invited Oral and Poster Presentations (* = University of the Pacific students)

Seminars

Lin-Cereghino, GP. 2019. The role of *BGS13* in secretion in *Pichia pastoris*: How did we get here? Seminar, University of the Pacific Arthur A. Dugoni School of Dentistry. May 29, 2019 (San Francisco, California)

Lin-Cereghino, GP. 2014. Analysis of *α*-Mating Factor Secretion Signal Mutations on Recombinant Protein Secretion in *Pichia pastoris.* Platform presentation, Pichia 2014 Conference, March 2-5, 2014 (San Diego, California).

Lin-Cereghino, GP. 2011. Secretion and proteolysis of heterologous proteins fused to the *E. coli* maltose binding protein in *Pichia pastoris*. Platform presentation, Cambridge Healthtech Institute PepTalk, January 10-13, 2011 (San Diego, California).

Lin-Cereghino, GP. 2010. Expression and characterization of recombinant human secretory leukocyte protease inhibitor (SLPI) protein from *Pichia pastoris*. Platform presentation, Cambridge Healthtech Institute PepTalk, January 11-14, 2010 (San Diego, California).

Lin-Cereghino, GP. 2010. The basics of using *Pichia pastoris* for recombinant protein expression. Discussion leader, Buzz session. Cambridge Healthtech Institute PepTalk, January 11-14, 2010 (San Diego, California).

Posters

Forty posters presented by Pacific students from our lab, Pacific Undergraduate Research and Creativity Conference, 2002-2022 (Titles available upon request).

Naranjo, C*, Deyarmin JS*, Crawford T*, Hekman R*, Franz AH, Vierra CA, **Lin-Cereghino GP**, Lin-Cereghino J. 2018. Structural characterization of proteins secreted by the *Pichia pastoris* mutant strain *bgs13*. American Society for Cell Biology Meeting. December 8-12, 2018 (San Diego, California)

Le HH*, **Lin-Cereghino GP**, Thor D, and Lin-Cereghino J. 2018. Wound healing of the mouth using *Pichia pastoris* to produce and secrete the basic Fibroblast Growth Factor (bFGF). American Society for Cell Biology Meeting. December 8-12, 2018 (San Diego, California)

Jivan AD*, Vo MN*, Fong MM*, Risser DD, Lin-Cereghino J, and **Lin-Cereghino GP**. 2017. Characterization of the Bgs13 Protein's Role in the Super-Secretion of Recombinant Peptides in the yeast

Pichia pastoris. Poster, Third International Conference on Genetic and Protein Engineering, November 8-9, 2017 (Las Vegas, Nevada). *Winner of "Best Poster" Award

Park S*, Chahal S*, Wei P, Xue L, Lin-Cereghino J, and **Lin-Cereghino GP**. The Structural Characterization of the *Saccharomyces cerevisiae* MATα Secretion Signal. University of Pacific Arthur A. Dugoni School of Dentistry Excellence Day. May 15, 2015 (San Francisco, California)

Gomez S*, Tran N, **Lin-Cereghino GP**, and Lin-Cereghino J**.** 2010. The all-powerful, universal supersecreter: does it really exist? University of Pacific Arthur A. Dugoni School of Dentistry Excellence Day. May 19, 2010 (San Francisco, California)

Li Z*, Leung W*, Yon A*, Nguyen J*, Perez VC*, Vu J*, Giang W*, Luong LT*, Phan T*, Salazar KA*, Gomez SR*, Xiang F, Franz AH, Lin-Cereghino J, and **Lin-Cereghino GP**. 2009. Secretion and proteolysis of heterologous proteins fused to the *E. coli* maltose binding protein in *Pichia pastoris*. Poster, *Pichia* 2009 Conference, October 18-21, 2009 (Tucson, Arizona)

Li, Z*., Leung, W.*, Lin-Cereghino, J., **Lin-Cereghino, G**., and Franz, A. H. 2009. Structural elucidation of the MBP (Maltose Binding Protein) *C*-terminus from fusion proteins in *Pichia pastoris* expression system. Poster, American Society for Cell Biology December 14, 2009 (San Diego, California)

Li, Z*, Leung, W.*, Lin-Cereghino, J., **Lin-Cereghino, GP**, and Franz, A. H. 2008 Structural elucidation of the MBP (Maltose Binding Protein) *C*-terminus from fusion proteins in *Pichia pastoris* expression system. Poster, American Society for Cell Biology December 16, 2008 (San Francisco, California)

Li, Z.* Leung, W.*, Lin-Cereghino, J., **Lin-Cereghino, GP**, and Franz, A. H. 2008. Structural elucidation of the MBP (Maltose Binding Protein) *C*-terminus from fusion proteins in *Pichia pastoris* expression system. Poster, American Society for Mass Spectrometry May 27, 2008 (Philadelphia, Pennsylvania)

Thor, D.*, **Lin-Cereghino, GP**., and Rahimian, R. 2007. Estrogen mediated intracellular calcium increase in human endothelial cells is estrogen receptor alpha dependent. Poster, FASEB Meeting, (Washington, D.C).

Hartner, FS, Ruth, C, **Lin-Cereghino, GP**, Lin-Cereghino, J, Cregg, J and Glieder, A. 2006. Synthetic *Pichia pastoris* promoters based on *AOX1* regulatory elements. Poster, *Pichia* Protein Expression Conference, October 8-11, 2006 (San Diego, California).

Johnson, S**.,** L. Godfrey, J. Lin Cereghino, S. Khouangsathiene, Cregg, J. M., Lin-Cereghino, J, and **G. P. Lin-Cereghino**. 2003. Analysis of the Alcohol Oxidase I promoter of *Pichia pastoris***.** Poster, Current Topics in Gene Expression Systems Meeting (San Diego, California).

Cereghino, G.P.L., J.L. Cereghino, M.A. Johnson, M. Lim, A.J. Sunga, D. Raghavan, M. Gleeson, and J.M. Cregg. 1999. New selectable marker/auxotrophic host combinations for molecular genetic manipulation of *Pichia pastoris*. Poster, Current Topics in Gene Expression Systems Meeting (San Diego, California).

Cereghino, G.P., J. Lee, M. Saghbini, J. Beiner, and I.E. Scheffler. 1994. The control of mRNA turnover as a means of glucose repression for the components of the succinate dehydrogenase complex in *S. cerevisiae*. Poster, Proceedings of the 1994 Yeast Genetics and Molecular Biology Annual Meeting (Seattle, Washington).

Cereghino, G.P., M. Saghbini, J. Beiner, and I.E. Scheffler. 1993. Glucose regulated turnover of the mRNAs of the iron protein and flavoprotein subunits of succinate dehydrogenase in yeast: identification of the cis-acting elements. Poster, Proceedings of the 1993 American Society for Biochemistry and Molecular Biology Annual Meeting (San Diego, California).

Lombardo, A., **G.P. Cereghino**, and I.E. Scheffler. 1992. Glucose modulates the turnover of the iron and flavoprotein mRNAs of the succinate dehydrogenase complex in *S. cerevisiae*. Poster, Proceedings of the 1992 Arrowhead Genetics Conference (Lake Arrowhead, California).

Provisional Patents

Mutant Strains of *Pichia pastoris* with Enhanced Secretion of Recombinant Proteins, Provisional Patent Application Provisonal Patent Application 61/843435 July 7, 2013. Inventors: Joan Lin-Cereghino and Geoff P. Lin-Cereghino

Alpha Mating Factor Secretion Signal Mutants that Improve the Secretion of Recombinant Proteins in *Pichia pastoris*, 61/737801 December 16, 2012. Inventors: Geoff P. Lin-Cereghino, Joan Lin-Cereghino, and Jerry W. Tsai

Professional Activities

Board of Directors, Pacific Italian Alliance, 2014-
Member, Institutional Review Board, Dameron Hospital, 2004-
Associate Editor, *Protein Expression and Purification,* 2001-
Consultant, Phytex and Protein Scientific LLC, 2004-2011
Member, Scientific Committee, *Pichia* 2012 Meeting, Alpbach, Austria, February 2012
Member, American Society for Microbiology, 2004, 2008
Reviewer, *Biotechniques, Enzyme and Microbial Technology, African Journal of Biotechnology,* 1999-
Team leadership member, Advocates for Women in Science, Engineering & Mathematics, 1998-2000
Guest Speaker, Washington County School-to-Work Series 1998-1999
Member and Co-Chair, Departmental Recruitment/Hospitality Committees, University of California, San Diego, 1990-1994

Service Activities

Current

Pre-dental Advisor, University of the Pacific, 2002-
Co-founder and chair, Pacific Community Microbiology Advisory Committee, 2003-
Member, Athletics Advisory Board, 2020-2022
Member, Open Educational Resource Task Force, 2018-
Member, Faculty Grievance Committee, 2021-

Past

Advisor, Freshman Summer Orientation, 2002, 2008, 2010, 2012, 2015, 2018, 2020
Appearance in video “Investing in Excellence: The Campaign for Pacific”, 2003
Appearance in YouTube video “Student Centered Learning at Pacific,” 2009
Coordinator, Hunter Nahhas Graduate Fellowship, Department of Biological Sciences, 2008-2012, 2016-2017, 2020, 2021
Evaluator (external), Community Studies program, Humphreys College, 2010
Faculty Advisor, Pacific Hmong Student Association, 2002-2022
Faculty Advisor, Pacific Beta Beta Beta Biological Honor Society, 2002-2011
Faculty Advisor, Pacific Italian Student Alliance, 2005-2008
Faculty Advisor, Pacific Team HBV, 2014-2016
Chair, Departmental committee for tenure and promotion of Greg Anderson, 2007
Chair, Departmental committee for tenure and promotion of Marcos Gridi-Papp, 2016
Chair, Departmental committee for promotion of Marcos Gridi-Papp, 2020
Contributor of essay on the intellectual climate at Pacific, Phi Beta Kappa application, 2005
Member (external), Departmental committee for promotion of Roshanak Rahimian, 2010
Member (external), Departmental committee for promotion and tenure of Chris Sablynski, 2011
Member (external), Departmental committee for promotion and tenure of Andreas Franz, 2012
Member (external), Departmental committee for promotion and tenure of Madhu Sundarrajan, 2021
Member (external), Departmental committee for promotion and tenure of George Pantouris, 2021
Member, Student Academic Grievance Board, University of the Pacific, 2002-4

Member and Chair, Student Judicial Review Board, University of the Pacific 2004-6
Member, Convocation Speaker Committee, University of the Pacific, 2004-2007
Member, Committee to evaluate patenting faculty invention (confidential, asked by Dean Jin Gong), 2008
Member, Drafting Committee for Pacific Mission Values Priorities (*Pacific Rising 2008-2015*), 2005-2006
Member, Faculty Compensation Committee, 2009-2014, Secretary 2009-2012, Chair 2013-2014
Member, Experiential Learning Oversight Committee, 2004-2008, 2010-2012, Chair 2011-2012
Member, University Compensation Committee, 2015-2017
Member, Search Committee for Director of Strategic Research (Office of Research and Sponsored Programs), 2021
Member, Search Committee for Assistant Director for Employer Engagement and Internship Development (Career Services), 2021
Member, University Commencement Speaker Committee, 2016-2019
Mentor, Pacific Faculty Mentoring Program, 2020, 2021
Planning Committee, Pacific Connection Collaboration Workshops, 2010-2012
Proposal writer, College of the Pacific Pet Policy (asked by Dean Tom Krise), 2010
Speaker, New faculty orientation, 2005-2007, 2009

Collaborators

Andrea Camattari, Senior Scientist, Bioprocessing Technology Institute, Singapore, Singapore, 2016-2018
James Cregg, Professor, Keck Graduate Institute of Applied Life Sciences, 2000-2017
Nejat Dezgunes, Professor, University of the Pacific Arthur A. Dugoni School of Dentistry, 2005-2012
Andreas Franz, Professor of Chemistry, University of the Pacific, 2007-
Anton Glieder, Professor, Technical University of Graz, Austria, 2005-2016
Joseph Harrison, Assistant Professor of Chemistry, University of the Pacific, 2020-
Roshanik Rahimian, Professor of Pharmacy, University of the Pacific, 2004-2010
Frank Ruch, Senior Scientist and President, Phytex LLC, 2002-2011
Alicia Serrano, Scientist, Biokit Corporation, Barcelona, Spain, 1999-2001
Andrew Singson, Professor of Genetics, Rutgers University, 2001-2003
Der Thor, Associate Professor, University of the Pacific Arthur A. Dugoni School of Dentistry, 2014-
David Thomas, Associate Professor of Physiology and Pharmacology, University of the Pacific Thomas J. Long School of Pharmacy and Health Sciences, 2001-2003
Jerry Tsai, Professor of Chemistry, University of the Pacific, 2007-2016
Craig Vierra, Professor, University of the Pacific, 2010-
James Whittaker, Professor, Oregon Health and Sciences University, 2007-2009

Laboratory students mentored

Graduate:

Alex Amby	Master's Student (2001-2002, entered medical school)
Rhobe Bulahan	Master's Student (2010-2012, granted Masters March 2012)
Sabreen Chahal	Master's Student (2014-2016, granted Masters June 2016)
Katy de Sa Campos	Master's Student (2010-2013, granted Masters March 2013)
Heather Grove	Master's Student (2001-2005, granted Masters October 2005)
Bushra Irshad	Master's Student (2020-22)
Sabrina Johnson	Master's Student (2001-2003; granted Masters July 2003)
Daniel Kim	Master's Student (2007-2009, granted Masters July 2009)
Sasha Larsen	Master's Student (2009-2011, granted Masters July 2011)
Henry Le	Master's Student (2017-2019, granted Masters July 2019)
Daniel Lu	Master's Student (2011-2013, granted Masters June 2013)
Zhiguo Harry Li	Doctoral Student (2006-2010, granted Ph.D. June, 2010)
Pachai Moua	Master's Student (2012-2014, granted Masters July 2014)
Allison Moy	Master's Student (2006-2009, granted Masters April 2009)
Chris Naranjo	Master's Student (2017-2019, granted Masters August 2019)
Amy Nguyen	Master's Student (2006-2007, entered dental school)

Jack Nguyen	Master's Student (2003-2005; granted Masters July 2005)
Kenneth Nguyen	Master's Student (2021-)
Chris Staley	Master's Student (2004-2007 granted Masters December 2007)
Der Thor	Master's Student (2001-2002; granted Masters October 2002)
Jun Eon Weaver	Master's Student (2011-13, granted Masters July 2013)
Peter Wei	Master's Student (2012-2014, granted Masters July 2014)
Ben Yount	Master's Student (2005-2006, entered dental school)
Yinhan Zhou	Master's Student (2011-2013, granted Masters October 2013)

Undergraduate

Kenji Agari	Undergraduate student (2012-2014)
Kimiko Agari	Undergraduate student (2010-2012)
Nadia Amer	Undergraduate student (2018-2019)
Colin Au	Undergraduate student (2001-2003)
Amy Huang	Undergraduate student (2008-2009)
Nicole Barkhordar	Undergraduate student (2005-2006)
James Castello	Undergraduate student (2000-2002)
Vincis Casuga	Undergraduate student (2004-2005)
Jason Catolico	Undergraduate student (2014-2015)
Alan Chan	Undergraduate student (Summer, 2003)
Alex Chan	Undergraduate student (2000-2002)
Elaine Chau	Undergraduate student (2011)
Jennifer Chang	Undergraduate student (2008-2009)
Irene Chen	Undergraduate student (2006-2007)
Joyce Choi	Undergraduate student (2019, 2020)
Caroline Chou	Undergraduate student (2018-2019)
Antoinette Chiu	Undergraduate student (Summer, 2002)
Tiffany Chu	Undergraduate student (2013)
Christina Chung	Undergraduate student (2019-2020)
Jacqueline Cleto	Undergraduate student (Summer, 2010)
Carolyn Dam	Undergraduate student (2006-2007)
Patrick Delgado	Undergraduate student (2022)
Dale Dong	Undergraduate student (2013-2014)
Michelle Fong	Undergraduate student (2017)
William Giang	Undergraduate student (2002-2004)
Seth Gomez	Undergraduate student (2008-2010)
Alfonso Gonzalez	Undergraduate student (2013-2015)
Matthew Hashimoto	Undergraduate student (2003-2005)
Aaron Hang	Undergraduate student (2015-2016)
Chris Hatae	Undergraduate student (2003-2005)
Kai Her	Undergraduate student (2015-2016)
Priscilla Hu	Undergraduate student (2022)
Huong Huynh	Undergraduate student (2003)
Thomas Illustrisimo	Undergraduate student (Summer, 2009)
Zoe Ingram	Undergraduate student (2020-2021)
Craig Jeong	Undergraduate student (2009-2010)
Anta Jivan	Undergraduate student (2016-2017)
Hyam Kaou	Undergraduate student (Summer, 2019)
Kris Kawamoto	Undergraduate student (2002-2003)
Jessica Kawilarang	Undergraduate student (Summer, 2009)
Kimberly Kaya	Undergraduate student (2003-2004)
Zill-e-huma Khan	Undergraduate student (2015-2016)
Janet Kwon	Undergraduate student (2013-2014)
Blake Kitamura	Undergraduate student (2004-2005)
Peter Kuo	Undergraduate student (2005-2006)
Nikita Kuppanda	Undergraduate student (2011)
An-Chun Kwan	Undergraduate student (2003-2005)
Jonathan Lau	Undergraduate student (Summer, 2009)

Phuc Le	Undergraduate student (2003)
Thu Le	Undergraduate student (2010-2011)
Victoria Leong	Undergraduate student (2003)
Andrew Lim	Undergraduate student (2022)
Linda Luong	Undergraduate student (2003-2004)
Wilson Leung	Undergraduate student (2004-2006)
Lauren Low	Undergraduate student (2008-2009)
Lauren Ma	Undergraduate student (2010-2011)
Jerome Mallari	Undergraduate student (2005-2006)
Elizabeth Manov	Undergraduate student (Summer, 2002)
Pachai Moua	Undergraduate student (2011-2012)
Tejas Mulye	Undergraduate student (2010-2011)
Anusha Murshed	Undergraduate student (2019-2020)
Gina Myers	Undergraduate student (2015-2016)
Maria Nattestad	Undergraduate student (2010-2012)
Caryn Ng	Undergraduate student (2004)
An Ngo	Undergraduate student (2002-2003)
Jack Nguyen	Undergraduate student (2001-2002)
Jon Nguyen	Undergraduate student (2006-2007)
Lynna Nguyen	Undergraduate student (2009-2010)
Phuong Nguyen	Undergraduate student (2003-2004)
Dahoon Daniel Oh	Undergraduate student (2020-2021)
Claire Orazem	Undergraduate student (2001-2003)
Cheryl Oshiro	Undergraduate student (2000-2001)
Kristin Oshiro	Undergraduate student (2010-2012)
Sung Pil James Park	Undergraduate student (2013-2015)
Arth Patel	Undergraduate student (2013-2014)
Jnana Patel	Undergraduate student (2005-2006)
Abha Patkar	Undergraduate student (2020-2021)
Vincent Perez	Undergraduate student (2006-2007)
Tracy Phan	Undergraduate student (2008-2009)
Hansel Poerwanto	Undergraduate student (2011-2012)
Laura Ray	Undergraduate student (2006-2007)
Richard Rojas	Undergraduate student (Summer, 2002)
Kate Salazar	Undergraduate student (2008-2009)
Andrei Samoshin	Undergraduate student (2008)
Sarabjit Sandhu	Undergraduate student (Summer, 2005)
Nischit Shah	Undergraduate student (2014)
Nadia Shaheen	Undergraduate student (2011-2013)
Kamaldeep Singh	Undergraduate student (2006-2008)
Dilpreet Singh	Undergraduate student (2010-2011)
Kirti Sohal	Undergraduate student (2005-2007)
Carolyn Stark	Undergraduate student (2010-2011)
Edward Suh	Undergraduate student (2022)
Vivian Tam	Undergraduate student (2015-2016)
Christina Tran	Undergraduate student (2006-2007)
Namphuong Tran	Undergraduate student (2009-2010)
Maivi Tranphung	Undergraduate student (Summer, 2009)
Yu Fang Tina Tsang	Undergraduate student (Summer, 2015)
Beau Ulrich	Undergraduate student (2005-2006)
Sharon Urbano	Undergraduate student (2000-2001)
Starr Vang	Undergraduate student (2019-2020)
Monika Verma	Undergraduate student (2005-2006)
Maria Vo	Undergraduate student (2016-2017)
Anthony Vu	Undergraduate student (2014-2015)
Jane Vu	Undergraduate student (2003-2004)
Jennifer Vu	Undergraduate student (Summer, 2010)
Tou Vue	Undergraduate student (2018-2019)

Jun Weaver	Undergraduate student (2010-2011)
William Wong	Undergraduate student (2003-2004)
Amy Yon	Undergraduate student (2004-2005)
See Xiong	Undergraduate student (2004-2005)
Colwin Yee	Undergraduate student (2018-2019)
Benjamin Yount	Undergraduate student (2002-2005)
Kevin Zhang	Undergraduate student (2020-22)