

Education:

B.S., 1978 Microbiology
Idaho State University, Pocatello, ID
Department of Microbiology and Biochemistry

M.S., 1980 Microbiology (Major Professor: John DeSena; poliovirus uncoating)
Idaho State University, Pocatello, ID
Department of Microbiology and Biochemistry

Ph.D., 1986 Virology (Major Professor: Janet Butel; SV40 large tumor antigen)
Baylor College of Medicine, Houston, TX
Department of Virology and Epidemiology

Positions Held:

8-78 to 5-80: Graduate Teaching Assistant
Idaho State University; Dept of Microbiology and Biochemistry

7-80 to 3-86: Graduate Research Assistant
Baylor College of Medicine; Dept. of Virology and Epidemiology

3-86 to 7-87: Postdoctoral Research Associate (SV40, mouse mammary tumor virus)
Baylor College of Medicine; Dept. of Virology and Epidemiology
P.I.s: Dr. Janet Butel and Dr. Larry Donehower

7-87 to 3-90: Assistant Research Scientist (Baculovirus; protein processing)
Texas A&M University; Dept. of Entomology

4-90 to 8-95: Assistant Professor (Baculovirus; protein processing)
Texas A&M University; Dept. of Entomology

9-95 to 12-97: Associate Professor with tenure (Baculovirus; protein processing)
Texas A&M University; Dept. of Entomology

1-98 to 6-00: Associate Professor with tenure (Baculovirus; protein processing)
University of Wyoming; Dept. of Molecular Biology

7-00 to 7-24: Professor (Baculovirus; protein processing)
University of Wyoming; Dept. of Molecular Biology

7-04 to 8-04: Interim Department Chair
University of Wyoming; Dept. of Molecular Biology

6-11 to present: President
GlycoBac, LLC, Laramie, WY

1-16 to 7-24: Associate Director for Students; Molecular & Cellular Life Sciences
Graduate Education Program, University of Wyoming

7-24 to present: Professor Emeritus (Baculovirus; protein processing)
University of Wyoming; Dept. of Molecular Biology

Editorial Boards, Scientific Advisory Panels, Scientific Society Positions:

Editor in Chief: Protein Expression and Purification, 2022-2023.
Deputy Editor in Chief: Protein Expression and Purification, 2021-2022.
Executive Editor: Protein Expression and Purification, 2000-2020.
Editor: Journal of Insect Science, 2011-2012.
Editorial Review Board: Protein Expression and Purification, 1992-2000.
Editorial Review Board: BioProcessing Journal, 2002-present.
Editorial Review Board: Virology Journal (BioMed Central), 2004-present.
Editorial Review Board: Glycobiology, 2006-2011; 2011-2015, 2016-2020; 2021-2025.
Editorial Review Board: Journal of Biological Chemistry, 2017-2022; 2023-2026.
Scientific Advisory Board: Expression Systems, LLC, Woodland, CA, 2005-2018.
Scientific Advisory Board: Kraig Biocraft Laboratories Inc., 2008-2018.
Scientific Advisory Board: IBC Int'l Conferences on Recombinant Antibodies, 2004-2006.
External Advisory Committee: Natl Ctr for Funct'l Glycomics, Harvard Med School, 2014-2018.
Board of Directors: Society for Glycobiology, 2009-2012 (elected).
Program Planning Committee, American Society for Virology, 2011-2013.

Publications and Communications Committee, FASEB, 2013-2020 (BoD appointed).
Publications Committee, Society for Glycobiology, 2015-2017 (BoD appointed).
Secretary, Society for Glycobiology, 2016-2025 (elected).
Board of Directors: Society for Glycobiology, 2016-2025 (elected).

Grant Review Panels:

Ad Hoc member NIH Experimental Virology Study Section, 02/02; 06/02.
Ad Hoc member NSF Biochemical Engineering/Biotech Large Request Review Panel, 05/03.
Ad Hoc member NIH Biochemical/Biophysical Sciences Fellowship Study Section, 03/05.
Ad Hoc chair/member NIH NHLBI-SBIR Study Section, 04/05.
Ad Hoc member NIH Vector Biology Study Section, 07/05, 03/06, 07/06, 11/06, 06/07, 10/07.
Member NIH NCRR Reverse Site Visit Team, 04/06.
Ad Hoc member NIH/NCI-SBIR Review Panel, 01/09, 05/11.
Mail reviewer Challenge Grants Panel 4, 06/09.
Member NIH NHLBI RFA "Programs of Excellence in Glycosciences" Review Panel, 10/10.
Chair/member NCI Special Emphasis Panel, SBIR Phase II, 05/11.
Mail reviewer NIH Cell, Molecular, and Computational Biology IRG, 06/11.
Mail reviewer NIH Small Business: Biol Chem, Biophys, Drug Discovery IRG, 02/12.
Mail reviewer NIH Small Business: Biol Chem, Biophys, Drug Discovery IRG, 09/12.
Ad Hoc member NIH Chemistry/Biochemistry/Biophysics Fellowship Study Section, 07/13.
Mail reviewer NIH Special Emphasis Panel, LRP, 04/15.
European Research Council Advanced Grant Panel LS9 member Step 1 09/15.
European Research Council Advanced Grant Panel LS9 member Step 2 01/16.
NHLBI National Career Development Consortium for Excellence in Glycosciences (K12), 11/17.

Professional Societies:

Sigma Xi, 1978-1982, Phi Kappa Phi, 1978-1980.
American Society for Microbiology, 1978-present.
American Association for the Advancement of Science, 1981-present.
American Society for Virology, 1988-lifetime member.
Society for Glycobiology, 1995-present
Society for Invertebrate Pathology, 2005-present
American Society for Biochemistry and Molecular Biology, 2012-present.

Awards and Honors:

2025 Society for Glycobiology Board of Directors & Executive Committee 10 Yr Service Award.
2023 Univ Wyoming Winter Commencement Ceremony Honorary Marshall.
2023 Society for Glycobiology Rosalind Kornfeld Lifetime Glycobiology Achievement Award.
2023 American Association for the Advancement of Science Fellow (elected).
2014 Univ Wyoming Andrew Vanvig Lifetime Distinguished Faculty Achievement Award.
2013 Univ Wyoming George Duke Humphrey Distinguished Faculty Award.
2012 Univ Wyoming Presidential Lecturer Award.
2012 Univ Wyoming Agricultural Experiment Station Outstanding Researcher Award.
2004 Univ Wyoming Cap & Gown Chapter Mortarboard "Top Prof" Award.
2000 Univ Wyoming/PacifiCorp Economic Development Faculty Service Award.
1996 Texas A&M Univ Faculty of Genetics Outstanding Teaching Award.
1994 Texas A&M Univ Biochemistry Society Outstanding Faculty Member Award.
1984 National Student Research Forum Oncological Research Award.
1984 National Student Research Forum Overall Excellence in Research Award (2nd Place).
1980 Intermountain Branch American Society for Microbiology Best Student Paper Award.
1973 Idaho State University Club Scholarship Award.

Selected Research Support:

50. NIH R43 GM125397 (to GlycoBac with subcontract to UW, MPI's Blair and Jarvis)
"Engineering a new insect cell line for human-type protein glycosylation".
04-01-18 to 03-31-21 (Total \$218,385; UW subcontract total \$25,510).
51. NIH R44 GM102982 (to GlycoBac with subcontract to UW, MPI's Blair and Jarvis)
"Glycoengineering insect cells for commercial biologics manufacturing".
04-01-16 to 08-31-21 (Total \$939,580; UW subcontract total \$17,638).
52. NIH R01 AI124804 (to UW, P.I. Jarvis)
"Impact of Fc N-glycan structure on HIV-specific antibody functions".
08-01-16 to 07-31-22 (Total \$2,853,997; total \$693,016 to Jarvis lab).
53. UW Science Initiative Faculty Innovation Seed Grant Program (P.I. Jarvis)
"Impact of a viral contaminant on biosafety profile of the baculovirus-insect cell system".
3/01/19 to 6/30/22 (Total DC; \$89,580).
54. NIH R43 GM136071 (to GlycoBac with subcontract to UW, MPI's Blair and Jarvis).
"Insect cell lines for glycoprotein structural biology and mannose-dependent protein drugs".
03-01-20 to 02-28-23 (Total \$224,594; UW subcontract total \$38,623).
55. NIH 1 R01 GM130969 (to Notre Dame with subcontract to UW, MPI's Fraser and Jarvis). "Engineering optimized N-glycosylation in the silkworm silk gland protein expression system".
05-01-20 to 04-30-24 (UW subcontract total \$338,256).

Intellectual Property Activities

A. Selected Patents

6. Guarino, L.A. and Jarvis, D.L. U.S. Patent #5,077,214. Use of baculovirus early promoters for expression of foreign genes in stably-transformed insect cells. Issued 12/31/91.
7. Guarino, L.A. and Jarvis, D.L. U.S. Patent #5,162,222. Use of baculovirus early promoters for expression of foreign genes in stably-transformed insect cells or recombinant baculoviruses. Issued 11/10/92.
8. Jarvis, D.L. U.S. Patent #6,461,863. Modifying insect cell glycosylation pathways with baculovirus expression vectors. Issued 10/08/02.
9. Jarvis, D.L., Betenbaugh, M.J., Lawrence, S., Lee, Y.C., and Coleman, T.A. U.S. Patent #8,546,105. Engineering intracellular sialylation pathways. Issued 10/01/13.
10. Jarvis, D.L. and Geisler, C. Method of using a bacterial GlcNAc-6P 2'-epimerase to promote sialylation of glycoconjugates. U.S. Patent #8,846,373 issued 09/30/14.
11. Jarvis, D.L. and Geisler, C. Lepidopteran insect *N*-acetylglucosaminidase genes and their use in glycoengineering. U.S. Patent #8,846,886 issued 09/30/14.
12. Jarvis, D.L. An insect cell line for production of recombinant glycoproteins with sulfated complex *N*-glycans. U.S. Patent #9,045,778 issued 06/02/15.
13. Fraser, M.J. and Jarvis, D.L. Production of human glycosylated proteins in silkworm. U.S. Patent #9,357,755 issued 06/07/16.
14. Geisler, C. and Jarvis, D.L. Transgenic insect cells comprising GlcNAc 6P 2' epimerase. US Patent #9,816,107 B2, issued 11/14/17.
15. Mabashi-Asazuma, H. and Jarvis, D.L. Production of non-fucosylated recombinant glycoproteins in insect cells. U.S. Patent #11,136,558 B2 issued 10/05/21.

B. Selected Patent Applications and Invention Disclosures:

6. Jarvis, D.L., VanBeek, N., and Fraser, M. Production of human glycosylated proteins in transgenic insects. Application PCT/US2004/035553 filed 10/28/04.
7. Jarvis, D.L., Geisler, C., and Hull, J.J. Novel insect genes and their application for glycoengineering. Invention disclosure submitted 12/14/09.
8. Fraser, M.J., Lewis, R.V., Jarvis, D.L., Thompson, K., Hull, J.J., Miao, Y.-G., Teule, F., Sohn, B., and Kim, Y. Chimeric spider silk and uses thereof. Application WO/2012/050919 A3 filed 04/19/12.
9. Maghodia, A.B., Geisler, C., and Jarvis, D.L. Virus-free cell lines and methods for obtaining same. Application PCT/US/16/59,857 filed 10/30/16.

10. Mabashi-Asazuma, H. and Jarvis, D.L. 2016. CRISPR-Cas9 tools for the baculovirus-insect cell system. Application PCT/US17/37060 filed 06/12/2017.

C. Selected Commercial Materials Transfer and Licensing Agreements;

1. Texas A&M University. Licensing agreements with Novagen and Invitrogen Corporations for technology protected under U.S. Patent #5,077,214.
2. University of Wyoming. Licensing agreements with Invitrogen Corp. for technology protected under U.S. Patent #6,461,863, 12/15/99 to 12/31/2009.
3. University of Wyoming. Licensing agreement with Lloyd, Inc. for technology protected under U.S. Patent #6,461,863 and U.S. Provisional Patent Application #60/656,576, 04/01/06 to 04/01/09.
4. GlycoBac, LLC. Licensing agreement with University of Wyoming for commercialization of baculovirus-insect cell glycoengineering technology protected by multiple US patents, 06/11-present.
5. GlycoBac, LLC. Licensing Agreement with Millipore Sigma for commercialization of virus-negative insect cell lines and methods for isolation thereof, 01/08/18-present.

D. Biotechnology Spinouts:

1. Silkworm Transgenics, LLC. Established in 2011 to commercialize the silkworm as a recombinant protein/glycoprotein production platform.
2. GlycoBac, LLC. A new company established in 2011 to commercialize glycoengineered baculovirus/insect cell systems as a recombinant glycoprotein production platform.

Selected Publications (ORCID ID: 0000-0002-8104-7155):

** Asterisks indicate invited publications.*

A. Primary publications

91. Maghodia, A.B., Geisler, C., and Jarvis, D.L. 2020. A new Nodavirus-negative T. ni cell line for baculovirus-mediated protein production. *Biotechnol. Bioengr.* 117:3248-3264.
92. Nonaka, M., Suzuki-Anekoji, M., Nakayama, J., Mabashi-Azuma, H., Jarvis, D.L., Yeh, J.-C., Akama, T.O., Huang, C.-T., Rosa Compos, A., Nagaoka, M., Nishizawa, C., Shibata, T.K., Sugihara, K., Fukuda, M., and Fukuda, M.N. Chun-Teng. 2020. Overcoming the blood-brain barrier by annexin A1-binding peptide to target brain tumours. *Br. J. Cancer* 123:1633–164.
93. Fukuda, M.N., Nonaka, M., Mabashi-Asazuma, H., Jarvis, D.L., Yamasaki, K., Akama, T., Nagaoka, M., Sasai, T., Kimura-Takagi, I., Suwa, Y., Yaegashi, T., Huang, C.-T., and Nishizawa-Harada, C. 2021. Development of an orally administrable tumor vasculature-targeting therapeutic using annexin A1-binding D-peptides. *PLoS One* 16:e0241157.
94. Maghodia, A.B., Geisler, C., and Jarvis, D.L. 2021. A new bacmid for customized glycosylation pathway engineering in the baculovirus-insect cell system. *ACS Chem. Biol.* 16:1941-1950.
95. Mabashi-Asazuma, H. and Jarvis, D.L. 2022. A new insect cell line engineered to produce recombinant glycoproteins with cleavable N-glycans. *J. Biol. Chem.* 298:101454. (Editor's Pick).
96. Menghini, M.T., Geisler, C., Maghodia, A.B., Hallam, H.J., Denton, S.L., Gigley, J.P., and Jarvis, D.L. 2023. Host ranges of Sf-rhabdoviruses harbored by lepidopteran insects and insect cell lines. *Virology* 585:164-178.

B. Book Chapters and Reviews

- *20. Jarvis, D.L. 2014. Recombinant Protein Expression in Baculovirus-Infected Insect Cells. *Meth. Enzymol.* 536:149-163.
- *21. Geisler, C., Mabashi-Asazuma, H., and Jarvis, D.L. 2015. An overview and history of glycoengineering in insect expression systems. *Meth. Mol. Biol.* 1321:131-152.
- *22. Harrison, R.L. and Jarvis, D.L. 2016. Transforming lepidopteran insect cells for continuous recombinant protein expression. *Meth. Mol. Biol.* 1350:329-348.
- *23. Harrison, R.L. and Jarvis, D.L. 2016. Transforming lepidopteran insect cells for improved protein processing. *Meth. Mol. Biol.* 1350:359-379.
- *24. Jarvis, D.L., Maghodia, A.B., and Geisler, C. 2016. Assessing and addressing the risks associated with Sf-rhabdovirus, an adventitious agent in the baculovirus-insect cell system. *Am. Pharm. Rev.* 19:74-77.

25. Geisler, C. and Jarvis, D.L. 2018. Adventitious viruses in insect cell lines used for recombinant protein expression. *Prot. Expr. Purif.* 124:25-32. PMC 5826799.

C. Symposia Proceedings

- *1. Jarvis, D.L., Oker-Blom, C. and Summers, M.D. 1990. The role of glycosylation in the transport of recombinant glycoproteins through the secretory pathway of Lepidopteran insect cells, pp 199-200. *In* E. Jaworski and J. Welply (ed.), *Glycobiology. UCLA Symposia on Molecular and Cellular Biology*, New Series, Vol. 111. Alan R. Liss, Inc., New York.
- *2. Jarvis, D.L. 1991. Continuous expression of foreign proteins in stably transformed lepidopteran insect cells, pp. 76-92. *In* *Proceedings of the 1991 World Congress of Cell and Tissue Culture*. Tissue Culture Association, Columbia, MD.
- *3. Jarvis, D.L. 1991. Baculovirus expression vectors and foreign gene expression, p. 447-451. *In* D.J. Cooper, J. Drummond, and D.E. Pinnock (ed.), *Proceedings of the Fifth International Colloquium on Invertebrate Pathology and Microbial Control*.
- *4. Jarvis, D.L. 1991. Baculovirus expression vectors: a review and update. *Ann. N.Y. Acad. Sci.* 646:240-247.
- *5. Jarvis, D.L. 1992. Foreign gene expression in transformed insect cells, p.175-186. *In* J.M. Vlak, E.-J. Schlaeger, and A.R. Bernard (ed.), *Baculoviruses and recombinant protein production processes*. Editiones Roche, Basel.

D. M.S. Thesis and Ph.D. Dissertation

1. Jarvis, D.L. 1980. Effects of ultraviolet irradiation on poliovirus: production and characterization of modified particles and characterization of the modifying reaction. M.S. Thesis, Idaho State University.
2. Jarvis, D.L. 1986. Studies on the biosynthesis, glycosylation, and intracellular transport of the simian virus 40 large tumor antigen. Ph.D. Thesis, Baylor College of Medicine.

E. Abstracts Associated with Conference Presentations

- *190. Menghini, M., Geisler, C., Maghodia, A.B., Hallam, H.J., Denton, S.L., Gigley, J.P., and Jarvis, D.L. Impact of Sf-rhabdoviral contaminants of insect cell lines on biosafety profile of the baculovirus-insect cell system. 15th Ann. Cambridge Healthtech Inst. BioProcessing Summit, Boston, MA, 2023.
- *191. Menghini, M., Geisler, C., Maghodia, A.B., Hallam, H.J., Denton, S.L., Gigley, J.P., and Jarvis, D.L. Impact of Sf-rhabdoviral contaminants of insect cell lines on biosafety profile of the baculovirus-insect cell system. 16th Protein Expression in Animal Cells Conference, Sitges, Spain, 2023.
- *192. Jarvis, D.L. A journey through virology to glycobiology. 50th Annual Meeting of the Society for Glycobiology, Waikoloa, Hawaii. 2023.
- *193. Menghini, M., Geisler, C., Maghodia, A.B., Hallam, H.J., Denton, S.L., Gigley, J.P., and Jarvis, D.L. Impact of Sf-rhabdoviral contaminants of insect cell lines on biosafety profile of the baculovirus-insect cell system. 23rd Annual Cambridge Healthtech Institute PepTalk Conference, San Diego, CA, 2024.
- *194. Geisler, C., Maghodia, A.B., and Jarvis, D.L. Isolation and characterization of an Sf-rhabdovirus-negative *Spodoptera frugiperda* cell line for the baculovirus-insect cell system. BioProcess International, Cell line development and engineering Track, Boston, MA, 2024.

Classroom teaching:

1. *Introductory Microbiology Laboratory*; Idaho State University; 1978-1979.
 2. *Biochemistry Laboratory*; Idaho State University; 1979-1980.
 3. *Cell Biology of the Nucleus*; Texas A&M University; annually 1990-1996.
 4. *Recombinant DNA and Biotechnology*; Texas A&M University; annually 1992-1997.
 5. *Special Topics in Biology--Virology Journal Club*; 1993-1994.
 6. *Recombinant DNA for Entomologists*. Texas A&M University; 1994.
 7. *Microbiology and Infectious Diseases-Virology*. WWAMI/University of Wyoming; 1998-2010.
 8. *Introductory Virology*. University of Wyoming; Spring semester 1999.
 9. *Graduate Student Seminar*. University of Wyoming; Fall semesters 1999-2022, Spring semesters 2003, 2005, 2006, 2008, and 2010-2023 with 2 contact hrs per week.
 10. *Proteins*. University of Wyoming; Spring semesters; 2000, 2002, 2004, 2007, 2009, 2010.
- I was one of two Instructors for this team-taught graduate course.

11. *Insect Cell Culture and Baculovirus Expression System Workshop*. Utah State University (6/03; 4/04); Nygee Ann Polytechnic University, Singapore City, Singapore (11/03); Colorado State University (10/05; 2/06; 8/08; 6/0-9, 4/10; 2/11; 4/12; 2/14; and 6/14); Universidad Nacional de la Plata, Buenos Aires, Argentina (05/10); Tribhuvan University, Kathmandu, Nepal (05/13), Universidad Nacional de la Plata, Buenos Aires, Argentina (12/18).
12. *Undergraduate Student Seminar*. University of Wyoming; Fall 2005, Spring 2006.
13. *Protein Expression and Purification*. Cold Spring Harbor Labs; Spring 2016, 2018, 2019, 2023, 2024.
I was one of several Instructors in this team-taught course at Cold Spring Harbor per invitation from the course chairs Dr. Al Courey (UCLA) then Dr. Michael Marr, (Brandeis).

Graduate Student Training:

A. As Major Professor (Chaired or co-Chaired Committee):

1. Stan LeJeune, M.S., Texas A&M University, Dept of Biology, 1992.
Current: Professor, Delgado Community College, New Orleans, LA (deceased 2022).
2. Bob Harrison, Ph.D., Texas A&M University, Dept. of Biochemistry/Biophysics, 1996 (co-chair).
Current: Research Scientist, USDA-ARS, Beltsville, MD.
3. Dana Broussard, Ph.D., Texas A&M University, Dept. of Biology, 1996 (co-chair).
Current: Assistant Professor, Fort Lewis College, Durango, CO.
4. Ziad Kavar, Ph.D., Texas A&M University, Genetics Program, 1999.
Current: Analytical Development Principal Scientist, Cytovance Biologics, Oklahoma City, OK.
5. Becki Hulinsky, M.S. University of Wyoming, Dept of Molecular Biology, 2000.
Current: Genetics counselor, Perinatal Genetics, University of Utah, Salt Lake City, UT.
6. Kevin Breitbach, M.S., University of Wyoming, Dept of Molecular Biology, 2000.
Current: Field Application Specialist, Affymetrix, Santa Clara, CA.
7. Jason Hollister, Ph.D., University of Wyoming, Dept of Molecular Biology, 2001.
Current: Research scientist, Rocky Mountain Labs, NIAID, NIH, Hamilton, MT
8. Jennifer Spellman, M.S., University of Wyoming, Dept of Molecular Biology, 2001.
Current: Research Scientist, Dept Veterinary Sciences, University of Wyoming.
9. Johannes Lesigang, M.S., Universitat fuer Bodenkultur (Vienna; co-chair).
Current: Research Assistant, Max Perutz Labs, Vienna Bio Center Genomics, Vienna, Austria.
10. Christoph Geisler, Ph.D., University of Wyoming, Dept of Molecular Biology, 2011.
Current: Co-founder and CEO, Unlocked Labs, Inc.
11. Christopher Meadows, Ph.D. student, University of Wyoming, MCLS Program, in progress.
Current: Senior Principal Cybersecurity, SAIC, Colorado Springs, CO.
12. Mark Menghini, M.S. student, University of Wyoming, MOLB Program, 2022.
Current: Ph.D. student in virology at Vanderbilt University.

B. As Graduate Committee Member:

1. Jene Choi, Ph.D., Texas A&M University, Dept of Biology, 1994.
2. Michelle Hardy, Ph.D., Texas A&M University, Dept of Veterinary Sciences, 1994.
3. Sunghan Yoo, Ph.D., Texas A&M University, Dept of Biochemistry/Biophysics, 1994.
4. Nick Anousis, M.S., Texas A&M University, Dept of Chemistry, 1994.
5. Young-Min Kim, Ph.D., Texas A&M University, Educational Curriculum & Instruction, 1994.
6. Hanjin Cho, M.S., Texas A&M University, Dept of Biology, 1994.
7. Tao Hong, Ph.D., Texas A&M University, Dept of Biology, 1995.
8. Bee-Na Lee, Ph.D., Texas A&M University, Dept of Biology, 1995.
9. Myoung Kim, Texas A&M University, Dept of Biochemistry/Biophysics, 1995.
10. Jene Choi, Ph.D., Texas A&M University, Dept of Biochemistry/Biophysics, 1995.
11. Mary Carpino, Ph.D., Texas A&M University, Dept of Veterinary Pathobiology, 1995.
12. Bruce Bebo, Ph.D., Texas A&M University, Dept of Veterinary Pathobiology, 1995.
13. Kuang Hui Lu, Ph.D., Texas A&M University, Dept of Entomology, 1995.
14. Bin Xu, Ph.D., Texas A&M University, Dept of Biochemistry/Biophysics, 1996.
15. Deepak Gupta, Ph.D., Texas A&M University, Dept of Chemical Engineering, 1996.
16. Xin Hang, Ph.D., Texas A&M University, Dept of Biochemistry/Biophysics, 1996.

17. Kakkaew Likitvong, Ph.D., Texas A&M University, Dept of Entomology, 1996.
18. Jae Park, Ph.D., Texas A&M University, Dept of Entomology, 1996.
19. Scott Vacha, Texas A&M University, Dept of Veterinary Anatomy, 1997.
20. Larry DeWitt, Ph.D., Texas A&M University, Educational Administration, 2001.
21. Seema Sehrawat, Ph.D., Indian Institute of Science, Dept of Microbiology/Cell Biology, 2002.
22. Alexander Chernyshavske, M.S., University of Wyoming, Dept of Renewable Resources, 2004.
23. Lea Rempel, Ph.D., University of Wyoming, Dept of Animal Science, 2004.
24. Aaron Bender, Ph.D., University of Wyoming, Dept of Molecular Biology, 2006.
25. Chris Smith, Ph.D., University of Wyoming, Dept of Molecular Biology, 2007.
26. Doug Brackney, Ph.D., Colorado State University, Dept of Microbiology, 2007.
27. Travis Lairscey, M.S., University of Wyoming, Dept of Electrical Engineering, 2010.
28. Quang Honag Nguyen, Ph.D. University of Queensland, Australia (outside examiner), 2013.
29. Aleksandra Kuzmanov, Ph.D., University of Wyoming, Dept of Molecular Biology, 2014.
30. Ashley Teufel, Ph.D., University of Wyoming, Dept. of Molecular Biology, 2015.
31. Lisa Edens, Ph.D., University of Wyoming, MCLS Program, 2016.
32. Predrag Jevtic, Ph.D., University of Wyoming, MCLS Program, 2016.
33. Joshua Holmes, Ph.D., University of Wyoming, MCLS Program, 2017.
34. Vladimer Lazetic, Ph.D., University of Wyoming, MCLS Program, 2017.
35. Ana Milunovic-Jevtic, Ph.D., University of Wyoming, MCLS Program, 2018.
36. Daria Ivanova, Ph.D., University of Wyoming, MCLS Program, 2018.
37. Lydia Vukovic, Ph.D., University of Wyoming, MCLS Program, 2018.
38. Kevin Fettel, M.S., University of Wyoming, Dept of Molecular Biology, 2018.
39. Jitender Bisht, Ph.D., University of Wyoming, MCLS Program, 2019.
40. Zachary Geisterfer, Ph.D., University of Wyoming, 2021.
41. Chase Wesley, Ph.D., University of Wyoming, MCLS Program, 2023.
42. Steve Denton, Ph.D., University of Wyoming, Molecular Biology Program, 2023.