

# JOSEPH M. LANGENHAN, PH.D.

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## EDUCATION

University of Washington ; Seattle, WA 1994  
 Doctor of Philosophy (Ph.D.) in Chemistry  
 Advisor: Professor Jon S. Thorson

University of Rochester ; Rochester, NY 1997  
 National Science Foundation R.E.U. Fellow  
 Advisor: Professor Eric T. Kool

Texas A&M University ; College Station, TX 1996  
 National Science Foundation R.E.U. Fellow  
 Advisor: Professor Daniel Romo

## ACADEMIC LEADERSHIP EXPERIENCE

Chair, Department of Chemistry, Seattle University; Seattle, WA 2017-2020

- x Oversaw schematic design and design development efforts for the spaces the department will occupy in the new Center for Science and Innovation
- x Consulted in an ongoing manner with Center for Science and Innovation architects to refine design plans during construction (e.g., office design, safety infrastructure, NMR room design)
- x Developed a comprehensive list of new equipment needed to move into the new Center for Science and Innovation

- x Met with prospective CSI donors to cultivate, establish, or deepen philanthropic relationships
- x Completed the accreditation process the American Chemical Society (ACS) has established to ensure the department remains ACS-approved
- x Completed an institutional 5-year program review by meeting with the Provost's office and the Dean
- x Developed transparent, inclusive processes to facilitate the successful recruitment and hiring of seven new employees including tenure-track faculty, instructors, lecturers, and staff
- x Instituted a mentorship program for new tenure-track faculty and instructors
- x

30. Paul Goo, B.S. 2020 (March 2018-June 2020)  
Manufacturing associate, Inventprise
29. Chad Rosevear, B.A. 2019 (Jan. 2019-June 2019)  
Stratos
28. Lydia Griggs, B.S. 2019 (March 2017-June 2019)  
ThermoFisher
27. Paxton Reed, B.S. 2018 (March 2017-September 2017)  
Lab technician, Benaroya Research Institute at Virginia Mason
26. Kate Sabourin, B.S. 2017 (January 2016-June 2017)  
Medical school, Touro University
25. Katie Rykaczewski, B.S. 2018 (March 2016-June 2018)  
PhD program in chemistry, University of Michigan
24. Karyl Yamakawa, B.S. 2018 (March 2016-July 2016)  
Dental school, University of Washington
23. Sean Ryan, B.S. 2017 (March 2015-September 2015)  
PhD Program in immunology, Univ. of Chicago
22. Nicholas Chock, B.S. 2016 (March 2014-June 2016)  
Medical School, UW Spokane
21. Calvin Leonen, B.S. 2016 (March 2014-June 2016)  
PhD program, University of Washington
20. Daniel Delurio, B.S. 2015 (September 2015-June 2015)  
Restek Corporation
19. Steven Loskot, B.S. 2014 (April 2012-June 2014)  
PhD program, Department of Chemistry, California Institute of Technology (Stoltz lab)
18. Leonardo Rozal, B.S. 2013 (April 2011-June 2013)  
Medical school, Creighton University
17. Halina Werner, B.S. 2012 (April 2010-June 2012)  
PhD program, Department of Chemistry, University of Pittsburgh (Horne lab)
16. Mackenzie Clay, B.S. 2012 (June 2009-Dec. 2012)  
PhD program, Department of Chemical Engineering, University of California—Los Angeles  
(Monbouquette lab)
15. Anja Tjaden, B.S. expected 2011 (April 2009-June 2011)  
Medical student, University of Washington
14. James Rohlfing, B.S. expected 2011 (April 2009-June 2011)  
Medical school, OHSU
13. Maile Panerio-Langer, B.A. Psychology, Creighton Univ. (April 2009-June 2009)  
Applying to graduate school
12. Derek Rogalsky, B.S. 2010 (June 2008-June 2010)  
MD (2015) Georgetown Univ.; Medical resident OHSU
11. Liane Fukumoto, B.S. 2009 (Sept. 2007-June 2009)  
MS (2011), Chemistry Department, UCLA (Kwon lab); Gilead Sciences, Inc.
10. Edouard Mullarky, B.S. 2009 (Jan. 2007-June 2009)  
PhD (2016), Biological and Biomedical Sciences, Harvard University (Cantley lab)
9. Abigail Griebenow, B.S. 2008 (Oct. 2006-June 2008)  
PharmD., University of Washington; Pharmacist at Providence Regional Medical Center
8. Matthew Endo, B.S. 2008 (Oct. 2006-June 2008)  
MS (2016), Department of Chemistry, (1 Td ( ) Tj EMC ET BT /P <</19







4. National Institutes of Health Academic Research Enhancement Award (AREA) Grant (2013) "Methodology for the Synthesis of Tumor-Selective Apoptotic Agents and Structurally Homogeneous N-Linked Glycopeptides." \$ 300,891
3. National Science Foundation Research in Undergraduate Institutions (RUI) Program (2011) "RUI: Methodology for the Synthesis of Homogeneous N-Linked Glycopeptides." \$ 276,726
2. National Science Foundation Early Career Development (CAREER) Program (2010) "CAREER: Methodology for the Synthesis of Tumor-Selective Drugs and Homogeneous Glycopeptides." \$ 531,418
1. National Science Foundation Early Career Development (CAREER) Program (2009) "CAREER: Methodology for the Synthesis of Tumor-Selective Drugs and Homogeneous Glycopeptides." \$ 420,311

## PRESENTATIONS, CONFERENCES, AND WORKSHOPS

### Invited Research Presentations

8. 97<sup>th</sup> Canadian Society for Chemistry Conference, Seminar. Alkoxyamine and Hydrazide Glycosylation: Rate Enhancements and Novel Applications. (Vancouver, Canada, June 2014).
7. Pacific Lutheran University, Department of Chemistry (Oct. 2009)
6. Santa Clara University, Department of Chemistry (May 2009)
5. Fort Lewis College, Department of Chemistry (Nov. 2007)
4. Seattle University Writing Center Winter Workshop "Writing Initiatives in Chemistry." (Jan. 2007)
3. Allegheny College, Department of Chemistry (Sept. 2006)
2. Seattle University, Department of Chemistry (Jan. 2005)
1. Harvey Mudd College, Department of Chemistry (Nov. 2005)

### Contributed Research Presentations (undergraduate coworkers are underlined)

21. J.M. Langenhan, K. Rykaczewski, L. Griggs, P. Goo, S. Jain. American Peptide Symposium 2019, Poster. Synthesis of Glycosylated Amino Acid Building Blocks via Acylation of - Glycosylhydrazides (Monterey, CA, June 2019).
20. J.M. Langenhan, K. Rykaczewski, L. Griggs, P. Goo, S. Jain. 29<sup>th</sup> International Carbohydrate Symposium, Poster. Progress Toward a Novel Synthesis of Glycosylated Asparagine Residues (Lisbon, Portugal, July 2018).
19. J.M. Langenhan, S.A. Loskot, N.A. Chock, C.J.A. Leonen, S.M. Ryan. 44<sup>th</sup> National Organic Symposium, Poster. Hydrazide Glycosylation: Rate Enhancements and Novel Applications (College Park, MD, June 2015).
18. S. Ferrenberg, J. Langenhan. Entomological Society of America National Annual Meeting, Poster. Do Tree Defenses Against Bark Beetles Decline With Increasing Elevation? (Austin, TX, Nov







1. J.M. Engle, L.R. Fay, R.W. Lucker, L.K. Slevin, K.R. Smith, J.M. Langenhan. Murdock Charitable

Sigma Xi, The Scientific Research Society (2006-2013)

## EXTERNAL PROFESSIONAL SERVICE

### Grant Proposal Reviewer

- x Research Corporation (2011-present)
- x Murdock Charitable Trust (2009-present)
- x National Science Foundation, Division of Molecular and Cellular Biosciences (2010)

### Manuscript Reviewer

- x Manuscript reviewer, Nature Communications (2019-present)
- x Manuscript reviewer, Journal of Chemical Education (2015-present)
- x Manuscript reviewer, Journal of Medicinal Chemistry (2014-present)
- x Manuscript reviewer, Medicinal Chemistry Communications (2014-present)
- x Manuscript reviewer, ACS Medicinal Chemistry Letters (2010-present)
- x Manuscript reviewer, Bioorganic Medicinal Chemistry Letters (2008-present)
- x Manuscript reviewer, Carbohydrate Research (2008-present)
- x Manuscript reviewer, Journal of Organic Chemistry (2010-present)
- x Manuscript reviewer, Journal of Undergraduate Chemistry Research (2010-present)
- x Manuscript reviewer, Organic Letters (2010-present)

Medical Advisory Board , Nancy R. Gelman Foundation (2006-2014)

### Other

- x Preparing Future Faculty Program, University of Washington, Panelist (

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Engineering Graduate School Seminar, panelist (Sept. 29, 2006)

Chemistry Department

Instrument Committee, chair (2021-present)

Chemistry Department Personnel Committee, member (2011-present)

Academic advisor to ~15 students per year (2005-present)

Faculty Search Committee, chair (2017)

Laboratory Supervisor Search Committee, member (2017)

Laboratory Manager Search Committee, member (2017)

NMR Facility Manager (2006-present)

Chemistry Department New Program Response Project, coordinator (2013-2014)

Chemistry Department Safety Committee, chair (2006-2013)

Chemistry Department Research Committee, member (2009-2013)

Organic Chemistry Sabbatical Replacement Search Committee, chair (2012)

Faculty Search Committee, member (2005, 2009)

Chemistry Department Seminar Series, co-organizer (2006-2010)

Chemistry Department Senior Synthesis Curriculum Committee (2008)

Chemistry Department Newsletter, designer and editor (2006-2009)

Bannan Scholars Discussion "How to Choose a Graduate School," discussion leader (2006)

SU Chemistry Department Benchmarking Project, member (2005)

Internal Service (Prior to Seattle University Appointment)

Organic McElvain Seminar Series, co-organizer (2001-2002)

Graduate Student Recruiting, student/faculty liaison (2001-2002)