

John Patton
Professor of Biology

Education: Ph.D., Biochemistry, University of Missouri- Columbia (2005)
B.S., Biology and Chemistry, Southwest Baptist University (1999)

Professional Experience:

Professor of Biology, Evangel University, 2022-present
Department Chair, Department of Natural and Applied Sciences, 2025-present
Professor/ Associate Professor/ Assistant Professor/ Instructor, Southwest Baptist University, 2004-2022
Division Head, Division of Natural Sciences, 2021-2022
Department Chair, Department of Chemistry and Physics, 2010-2020
Teaching Assistant/Research Assistant, University of Missouri-Columbia, 2001-2004
Teaching Assistant, Texas Tech University, 2000-2001
Lab Technician, St. Louis University, 2000-2001

Scholarship

Lead the MDH CURE as part of the Biochemistry Lab (2024-present)
Started and lead the SEA-PHAGES research program at EU (2023-present)
SEA faculty meetings (2023-present) (monthly)
SEA faculty annual meeting (2025, 2026)
SEA-PHAGES Bioinformatics training (December 2023)
SEA-PHAGES Discovery training (July 2023)
Department Chairpersons Annual Conference (February 2013, 2022)
American Chemical Society, Regional Meeting (2014; 2005)
POGIL Workshop (2008)
Revising Physical Science Laboratory Manual (July 2018)
Developed new course –Chemistry for Allied Health (2015)
Wrote the Chemistry for Allied Health Lab Manual (Fall 2016)
Developed new programs – Forensic Chemistry and Biochemistry (SBU); Biochemistry (EU)
Review of GOB textbook – (Spring 2018)
Class test of GOB textbook – (Fall 2018)
Review of Organic Chemistry Online Homework System and Questions (2017-2018)

Service—Professional:

American Chemical Society, Member, 2006-present

Service—University:

Valor Scholar's Interview team - 2023-present
Academic Assessment team – 2024-present
Annual Assessment reports – 2010-2022
HLC writing team for ten-year accreditation site visit - 2016

Service—Church/Community/Ministry:

Alliance Christian Fellowship
Volunteer in sound booth, 2025-present
First Baptist Church Bolivar

Member, 2015-2024;
Core group leader 2018-2024;
Volunteer leader for Royal Ambassadors, 2018-2020
Southern Hills Baptist Church
Member, 2013-2014;
Advisory team, April 2014-December 2014
Waypoint Church
Elder, 2005-2013

Publications

- Marcum T, Racine C, Johnson K, Hildebrand T, Patton J. 2026. Genome Sequence of Bacteriophages Bouchard and Windest Isolated Using *Arthrobacter globiformis* B-2979. microPublication Biology. [10.17912/micropub.biology.001885](https://doi.org/10.17912/micropub.biology.001885).
- Marcum, T.M., Johnson, K.M., Racine, C.A., Terhark, J.G., Hildebrand, T.M., Melchior, C.R., Reed, R.J., Oehlschlager, K.A., Leazer, J., Patton, J.D., Delesalle, V.A., Garlena, R.A., Russell, D.A., Jacobs-Sera, D. and Hatfull, G.F. *Arthrobacter* phage Windest complete genome. Accession number: PV876971.
- Racine, C.A., Marcum, T.M., Johnson, K.M., Melchior, C.R., Terhark, J.G., Oehlschlager, K.A., Hildebrand, T.M., Leazer, J., Reed, R.J., Hawkins, C.G., Patton, J.D., Klyczek, K., Garlena, R.A., Russell, D.A., Jacobs-Sera, D. and Hatfull, G.F. *Arthrobacter* phage Bouchard complete genome. Accession number: PV876923.
- Johnson, K.M., Alapati, H.V., Racine, C.A., Oehlschlager, K.A., Terhark, J.G., Marcum, T.M., Lee, D., Parks, A.D., Hildebrand, T.M., Reed, R.J., Leazer, J., Melchior, C.R., Boyd, S.G., Hawkins, C.G., Patton, J.D., Monti, D.L., Viland, M.D., Lewis, C.M., Garlena, R.A., Russell, D.A., Jacobs-Sera, D. and Hatfull, G.F. *Arthrobacter* phage DunneganBoMo complete genome. Accession number: PX985676.
- Alapati H, Parks A, Hildebrand T, Leazer J, Rodriguez K, Patton J. 2025. Genome Sequence of *Arthrobacter globiformis* B-2979 Phage Raphaella. microPublication Biology. [10.17912/micropub.biology.001464](https://doi.org/10.17912/micropub.biology.001464).
- Alapati, H.V., Hildebrand, T.M., Leazer, J., Parks, A.D., Rodriguez, K.Y., Patton, J.D., Anders, K.R., Garlena, R.A., Russell, D.A., Jacobs-Sera, D. and Hatfull, G.F. *Arthrobacter* phage Raphaella genome. Accession number: PP978783.
- Patton J, Block S, Coombs C, Martin ME. Identification of functional elements in the murine Gabp alpha/ATP synthase coupling factor 6 bi-directional promoter. *Gene*. 2006 Mar 15;369:35-44. doi: 10.1016/j.gene.2005.10.009. Epub 2005 Nov 23. PMID: 16309857.
- Gabp regulation of the hGrd promoter region. Unpublished work from PhD dissertation.