



PROFESSIONAL BIOGRAPHY

Brian Corbin – Director of Technical Services

Years of Water Treatment Experience: 12

Work Experience:

ETI	<i>Sept.2024-Present</i>
DuBois Chemical	<i>2018-2024</i>
Dow Chemical	<i>2013-2018</i>
Vybion, Inc.	<i>2011-2013</i>
MicroBios, Inc.	<i>2009-2011</i>

Education:

Postdoctoral Fellow, Vanderbilt University
Ph.D. in Microbiology & Molecular Genetics- UTHealth
M.S. Biology-Texas State University
B.S. Microbiology-Texas State University

Professional Specialization: Industrial Cooling Systems, Biocides, Microbiology, *Legionella* Regulations

Career Highlights:

Selected Papers Authored/Co-authored:

- A Field Friendly Biofilm Monitoring Procedure for Cooling Tower Water-Offering Potential to Minimize the Risk of Legionnaires Disease; **International Water Conference**; Nov. 2017.
- Biofouling Control in Metalworking Fluids; 72nd **Society of Tribologists and Lubrication Engineers** Annual Meeting & Exhibition; May 2017.
- Biofouling Control in Industrial Water Systems. **Cooling Technology Institute** Annual Conference; Feb. 2017.
- Non-Oxidizing Biocides for Biofouling Control in Industrial Water Systems. **International Water Conference**; Nov. 2016.
- Microbiological Control in Industrial Cooling Towers. **AWT** Annual Convention and Exposition; Sept. 2016.
- Addressing Cooling Tower Challenges with Advanced Water Treatment. **Water Conditioning and Purification**. April 2016.
- A CMIT/MIT Surfactant Blend to Control Biofilms in Industrial Water Systems. **Cooling Technology Institute** Annual Conference; Feb. 2016.
- A Solid Isothiazolone Biocide Controls Microbial Growth in Industrial Water Treatment Systems. **Cooling Technology Institute** Annual Conference; Feb. 2016.
- Metal chelation as a defense strategy to prevent bacterial growth in tissue abscesses. **Science**. 2008; Feb; 319(5865):962-965.
- Interaction between cell division proteins FtsE and FtsZ. **J. Bact.** 2007; Apr; 189(8): 3026-35.

Selected Awards:

- **2022 President's Council Winner.** Awarded to the Top 10% of the DuBois Chemical Sales Team.
- **First place,** Poster competition at the 9th International Conference on Food Safety and Quality, November 2014.
- **Collier Award** for outstanding poster at the Gordon Research Conference on Microbial Toxins and Pathogenicity, Proctor Academy in Andover, NH; July 2008.
- **Sidney P. Colowick Award,** given to the "Best Postdoctoral Research Fellow" in the Department of Microbiology and Immunology, Vanderbilt University Medical Center, May 2008.
- **Award for best poster** presented at the Vanderbilt University Medical Center 2nd Annual Poster Symposium, April 2008.
- **National Institute of Allergy and Infectious Diseases Ruth L. Kirschstein NRSA for individual Postdoctoral fellows,** 2007.
- **Award for outstanding poster,** given at the FASEB Summer Research Conference on Microbial Pathogenesis: Mechanisms of Infectious Disease, Snowmass, CO; July 2007.
- **Presidents' Research Scholar** for 2005-2006, in recognition of my accomplishments as a graduate student and potential as a biomedical scientist, presented on behalf of Dean Stancel, and Presidents Willerson and Mendelsohn, The University of Texas Health Science Center-Houston; January, 2006.
- **Dean's Research Award** for demonstrating excellence in research, given by Dean Stanley G. Schultz, MD. University of Texas Health Science Center-Houston; September, 2005.
- **George H. Meyer Award** for excellence in Microbiology at Texas State University; April 28, 2000.
- **O. B. Williams Award** Certificate of Meritorious Scientific Achievement for a presentation given at the American Society of Microbiology State Meeting; November 11, 1999.
- **Award for technical assistance and for efforts to improve secondary education** in science by the Science/Math/Technology Education Institute; July, 1999.

Professional Affiliations (Past/Present):

Association of Water Technologies (AWT)
Cooling Technology Institute (CTI)
International Water Conference (IWC)
National Association of Corrosion Engineers (NACE)
Society of Tribologists and Lubrication Engineers (STLE)
Society of Petroleum Engineers (SPE)
American Society of Microbiology (ASM)

Personal Hobbies/Passion:

Hiking, Biking, Travel