

1. Name: Ronald L. Fournier

2. Education – degrees, discipline, institution, year:

University of Toledo, Toledo, Ohio

BSCHE - June 1976, *cum laude*

MSCHE - August 1978

PhD - June 1981

Catholic Distance University, Hamilton, Virginia

MA Theology – May 2010, *summa cum laude*

3. Academic Experience - 32 years

Assistant Professor of Chemical Engineering, June 1985, The University of Toledo

Associate Professor of Chemical Engineering, June 1989, with tenure - 1991, The University of Toledo

Adjunct Assistant Professor of Pathology, June 1990-2000, Medical College of Ohio

Adjunct Member of the Graduate Faculty, October 1991-2000, Medical College of Ohio

Adjunct Assistant Professor of Physiology and Molecular Medicine, May 1994-2000, Medical College of Ohio

Professor of Chemical Engineering, May 1994-present, The University of Toledo

Director, Center for Bioengineering, August 1995-June 1999, The University of Toledo

Founding Chair and Professor of Bioengineering & Chemical Engineering, Department of Bioengineering, September 1996-June 1999, The University of Toledo

Dean and Professor, College of Engineering, July 1999 – October 2000, The University of Toledo

Professor of Bioengineering & Chemical Engineering, July 1996 – present, The University of Toledo

4. Non-academic experience:

SWS Silicones Corp., Stauffer Chemical Co., Process Engineer, June 1976 - September 1978

U.S. Army, Captain - Chemical Corps, R&D Project Engineer, U.S. Army Toxic & Hazardous Materials Agency, Aberdeen Proving Ground, July 1981 - June 1985

Energy Technics, Inc., Consulting, August 1979 - June 1986

Stearns-Catalytic, Department of Army, Expert Witness, December 1985

Jones and Bahret, expert witness, November 1988 - January 1989

Maumee Research & Engineering, Consulting, February 1986 - 1996

Williams, Jilek, Lafferty, & Gallagher, expert witness, 1995-1999, 2001-2009

Connelly, Soutar & Jackson, expert witness, September-December 1997

Continental Research & Engineering, Denver, Colorado, 2001-2002

Frantz Ward, Cleveland, Ohio, expert witness, 2002-2008

Bonezzi et al., Cleveland, Ohio, expert witness, 2002-2003

Member of the Scientific Advisory Board for PanCel Corp., La Jolla, CA, September 2003 – 2006

Pastoral Assistant, part time, St. Mark Lutheran Church, May 2011 – May 2014

Williams, DeClark, Tuschman, expert witness, 2009-present

5. Certifications or professional registrations:

Licensed Professional Engineer - Ohio (E-048093)

6. Current membership in professional organizations:

American Association of Variable Star Observers

7. Honors and Awards:

Tau Beta Pi Outstanding Undergraduate Professor, 1992-93

College of Engineering Outstanding Teaching Award, 1994

The University of Toledo Outstanding Research Award, May 1995

The University of Toledo Doermann Distinguished Lectureship Award, May 1997

Biomedical Engineering Society, Student Chapter, Outstanding Teacher Award, 1999
College of Engineering Outstanding Teacher Award, 2003
The University of Toledo Outstanding Teacher Award, 2012
Fellow, American Institute of Medical and Biological Engineering (class of 2001)

8. Service Activities (most important within and outside of the institution)

Chaired Conference Sessions:

Research Council, 1996 - 2000
Chair, Polymer Institute Program Review committee, 1997
Lead successful effort to create graduate specialization area in bioengineering, 1995
Lead successful effort to form Department of Bioengineering, 1996
Lead successful effort to establish undergraduate bioengineering degree (BSBE) program , 1997
Faculty Senate, 1998 – 2001
Faculty Senate Executive Committee, 1998 – 1999
Faculty Senate Representative to the Board of Trustees, 1998 –1999
Vice-chair (national), Biomedical Engineering Division of ASEE, 1998-1999
Biomedical Engineering Society (national), membership committee, 1998-1999
Lead successful effort to establish a masters degree in bioengineering (MSBE), 1999
Chair of Search Committee for Vice President for Administrative Services, February 1999
Chair of Search Committee for Vice Provost for Undergraduate Studies, November 1999
ASEE Bioengineering Division Vice Chair for Career Development and Awards, 1999-2000
Member of the Governing Board, Edison Industrial Systems Center, 2000
UT Founders Scholarship Committee, 2002-2005
Faculty Senate, 2003-2005, 2007-2010
Ohio Magazine 2003 Excellence in Education Award winner
Engineering Committee on Academic Personnel (ENCAP), 2004-2008, Chair 2006-2007, Chair 2007-2008
Chair, College of Engineering Prioritization Committee, 2005
University Sabbatical Committee, 2007-2010
Treasurer, Board of Directors, Lutheran Campus Ministry, 2009-2011
Coach, First Lego League, GESU RoboHounds, Fall 2009, team won the Rookie Award
University Committee on Academic Personnel (UCAP), 2004-2005, 2008-2011, 2014-present,
Chair 2014-present
Executive Committee, College of Engineering, 2010 – 2014, 2015-present

9. Most important Publications/Presentations: *Refereed Journal Articles/Patents – last 5 years:*

Basic Transport Phenomena in Biomedical Engineering, 4th edition , by Ronald L. Fournier, *Chapter 1: Introduction, Chapter 2: A Review of Thermodynamic Concepts, Chapter 3: The Body Fluids, Chapter 4: Physical Properties and Flow of Blood, Chapter 5: Solute Transport in Biological Systems, Chapter 7: Oxygen Transport, Chapter 8: Pharmacokinetic Analysis, Chapter 9: Extracorporeal Devices, Chapter 10: Tissue Engineering, Chapter 11: Bioartificial Organs*, expected publication date September 2017

"Development and Characterization of Erythrosine Nanoparticles with Potential for Treating Sinusitis Using Photodynamic Therapy" by Garapati, Chandrasekhar; Clarke, Brandon; Zadora, Steven; Burney, Charles; Cameron, Brent; Fournier, Ronald; Baugh, Reginald; Boddu, Sai HS, Photodiagnosis and Photodynamic Therapy, 12, 9-18 (2015)

Conference presentations and posters – last 4 years: (FIRST AUTHOR IS PRESENTER)

none

10. Professional development activities in the last five years: