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INDUSTRIAL POSITIONS Owner, Anderson Bioscience, Phoenix, AZ Owner, Anderson Bioscience, Seattle, WA Owner, Anderson Forensic Consulting, Seattle, WA Manager, Clinical Affairs, Uptake Medical Co., Seattle, Wa Manager, Clinical Research, Uptake Medical Co., Seattle Pre-clinical Manager, Uptake Medical Co., Seattle, WA		2022 - 2014 - 2022 2009 - 2013 2012 - 2012 2010 - 2012 2007 - 2010
ACADEMIC POSITIONS Affiliate Assistant Professor, Department of Bioengineer University of Washington, Seattle, WA Research Assistant Professor, Department of Bioengine University of Washington, Seattle, WA Postdoctoral Fellow, Division of Pulmonary and Critical University of Washington, Seattle, WA Postdoctoral Fellow, Department of Biomedical Engineer University of Michigan, Ann Arbor, MI	eering Care Medicine	2010 - 2006 - 2007 2003 - 2006 2001 - 2003
EDUCATION Ph.D., Chemical Engineering, University of Washington, M.S., Chemical Engineering, University of Washington, B.S., Chemical Engineering, Arizona State University, T.	Seattle, WA	2001 1998 1995
AWARDS, PRIZES, HONORS National Research Service Award (Institutional), U. Was Cardiovascular Bioengineering Training Grant Treasurer, ACES, University of Washington Teaching Assistant of the Year, Dept Chem Eng, U Was National Society of Professional Engineers, Engineer-in Alpha Epsilon Delta Arizona State University Honors College Arizona Regents Scholarship Bird Scholarship	shington	2004 - 2006 1998 1997 1995 1994 1991 - 1995 1991 - 1995
COURSES TAUGHT		

COURSES TAUGHT

Cardiovascular & Respiratory Systems Modeling Workshop, Pulmonary Modeling (2007-2012)

Integrative Physiological Systems Analysis (BIOEN 589), Co-Instructor, UW (2006) Respiratory System for Medical Students (HUBIO 541), Teaching Assistant, UW (2004) Graduate Biomedical Engineering Seminar (BME 500), Instructor, UM (2002) Material and Energy Balances (CHE 310), Teaching Assistant, UW (1996, 1997, 1999)

SOCIETY MEMBERSHIPS

American Physiological Society - Regular member, 2003 Tau Beta Pi Engineering Honor Society, 1992 Golden Key Honor Society, 1992

JC Anderson: October 2024

REVIEW ACTIVITIES

Journals: ACS Sensors

Biomolecules

Chemical Engineering Science

Computational and Mathematical Methods in Medicine

European Medical Journal Respiratory

IEEE Transactions on Biomedical Engineering

Journal of Applied Physiology

Journal of Biomechanical Engineering

Journal of Breath Research

Journal of Healthcare Engineering

Journal of Theoretical Biology

Mathematical Bioscience

Peer J

Physiologic Measurements

PLOS One

Rapid Communications in Mass Spectrometry Respiratory Physiology and Neurobiology

Grants: European Research Council

National Heart Lung and Blood Institute

National Science Foundation

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- 8. Zheng, Y., J.C. Anderson, V. Suresh, and J.B. Grotberg. Effect of gravity on liquid plug transportation through an airway bifurcation model. *J. Biomech. Eng.*127: 798-806, 2005.
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- 10. Anderson, J.C., W.J.E. Lamm, and M.P. Hlastala. Measuring airway exchange of endogenous acetone using a single-exhalation breathing maneuver. *J. Appl. Physiol.* 100: 880-9, 2006.
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- 14. Anderson, J.C. and M.P. Hlastala. Impact of airway gas exchange on the multiple inert gas elimination technique: Theory. *Ann. Biomed. Eng.* 38: 1017-30, 2010.
- 15. Tuck, S.A., V. Lopes-Berkas, S. Beam, and J.C. Anderson. Bronchoscopic Thermal Vapor Ablation in a canine model of emphysema. *Int J Chron Obstruct Pulmon Dis* 7: 21-31, 2012.
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- 2. Hlastala, M.P., and J.C. Anderson. Using alcohol breath test science to your client's advantage. In: *Understanding DUI Scientific Evidence*, Thomson Reuters, 2014, p. 117-136.
- 3. Hlastala, M.P., and J.C. Anderson. Alcohol Breath Test: Correcting for Bias. *The Champion*. March: 34-39, 2020.

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