

Ethan E. Mann, Ph.D., M.B.A

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Dedicated to operationalizing and productizing life-changing innovations.

CEO / COO / President / Vice President

*Startup / Turnaround / Strategic Planning / Scale-up / P&L / Growth / Finance / B2C /
Leadership / Business Development / Biostatistics / Innovation / International Business / China /
Research and Development / Operations / Commercialization / Regulatory*

EMPLOYMENT HISTORY

Sharklet Technologies, Inc (2013-current)

COO and VP, Sharklet Technologies, Inc, Aurora, CO

Senior executive in Aurora, CO location. Aided financial exit to China-based investors. Completed integration of Asset/IP acquisition of previous contracting firm. Led operations to commercialize the Sharklet micropatterned technology. Successfully launched Sharklet urinary catheters with COOK Medical initially in Europe and Canada. Managed assets and P&L, led IP strategy, led business development strategy, manage finance and audit activities, developed short and long term commercial strategic planning, scientific integration and technology development lead, scientific testing lead and principal investigator of 2 SBIR grants, preservation of company culture during growth and uncertainty, manage multiple international legal teams, managed acquisition, integration, and facility relocation, managed licensee and licensor contracts and strategy, secondary lead of sale activity for financial acquisition, managed board of directors communications

Everyday Nutrition (2011- Current)

Member of LLC

Nutrition consulting practice focused on personalize nutrition support services provided through my wife, Tracy Mann, RD.

The Ohio State University (2010-2013)

Postdoctoral Fellow, The Wexner Medical Center at The Ohio State University, Columbus, OH

Area of Focus: Characterization of persistent bacterial biofilm-related infections.

Nebraska Medical Center (2003-2010)

Graduate Fellow, University of Nebraska Medical Center, Omaha, NE

Area of focus: Staphylococcus aureus infectious disease

EDUCATION/TRAINING

2019: Masters of Business Administration, University of Colorado Denver (3.5), Denver, CO 80045

2013: Postdoctoral Training Fellowship, Ohio State University Medical Center, Columbus, OH 43210

2010: Ph.D. in Microbiology (3.4), University of Nebraska Medical Center, Omaha, NE 68198

2005: B.S. (3.6; Cum Laude) in Chemistry, Chadron State College, Chadron, NE 69337

CONTINUING EDUCATION

- **Business Certification** – University of Colorado, Denver - 2017
- **Lab to Leadership** – Anschutz Medical Campus/ Colorado Bioscience Association – Fall 2016
- **Critical Conversations management course** – Anschutz Medical Campus, Aurora, CO – November 2013
- **Immunocytochemistry training short course** – Ohio State University, Columbus, OH – February 2011
- **Research and Commercialization short course**– University of Nebraska Medical Center/BD Diagnostics Campus, Sparks, MD – October 2012

SELECT LEADERSHIP & AWARDS

Chadron State College Distinguished Young Alumni

SBIR Phase II Grant – Micropatterned percutaneous gastrostomy tube for minimizing pediatric complications. 2017
 Top Paper Award – Chinese Conference on Hospital Infection, Jinan, China, August 2016
 SBIR Phase I Grant – Micropatterned percutaneous gastrostomy tube for minimizing pediatric complications. 2016
 NIH-funded Ohio State University Medical Center T32 Postdoctoral Fellowship 2010
 Wind River Conference Student Committee President 2008, 2009
 American Heart Association Predoctoral Fellowship 2008
 Biomedical Research Training Program Fellow 2005
 INBRE-NE training fellowship 2004

SELECT INVITED TALKS

2018 NIH Rocky Mountain Labs Hamilton, MT, July 31, 2018
2016 Chinese Conference on Hospital Infections Jinan, Shangdong, China August, 2016
2016 ANTEC Conference Indianapolis, ID May 2016, Microtopography use to control biological response.
2015 ASM Biofilm Conference Chicago, IL October 2015, Reinventing the biological interface.
2014 Biomedical Engineering Society Annual Meeting San Antonio, TX October 25, 2014 “Microtopographies limit bacterial biofilm accumulation: a novel approach to decreasing ventilator-associated pneumonia cases”
2014 Biointerfaces Conference San Francisco, CA October 8, 2014 “Microtopographies limit bacterial biofilm accumulation: a novel approach to decreasing ventilator-associated pneumonia cases”
University of California Santa Cruz Seminar Series, Santa Cruz, CA October 7, 2014 “Translating biofilm research to medical device solutions”
Denver Museum of Science and Nature Microbial Innovation Symposium Denver, CO, September
 “Implementation of Sharklet micropattern on medical devices and consumer products”

SELECT PUBLICATIONS

Xu B, Wei Q, Mettetal MR, Han J, Rau L, Tie J, May RM, Pathe ET, Reddy ST, Sullivan L, Parker AE, Maul DH, Brennan AB, **Mann EE**. Surface micropattern reduces colonization and medical device-associated infections. *J Med Microbiol*. 2017

Mann E.E., C. M. Magin, M. R. Mettetal, R. M. May, M. M. Henry, H. DeLoid, J. Prater, L. Sullivan, J. G. Thomas, M. D. Twite, A. E. Parker, A. B. Brennan and S. T. Reddy. Micropatterned Endotracheal Tubes Reduce Secretion-Related Lumen Occlusion. *Ann Biomed Eng* 2016.

May RM, Magin CM, **Mann EE**, Drinker MC, Fraser JC, Siedlecki CA, Brennan AB, Reddy ST. An engineered micropattern to reduce bacterial colonization, platelet adhesion, and fibrin sheath formation for improved biocompatibility of central venous catheters. *Clinical and Translational Medicine*. Clinical and Translational Medicine. February 2015.

Mann EE, Metettal MR, May RM, Drinker MC, Stevenson BC, Dannemiller E, Parker AE, Reddy ST, Sande MK. Surface microtopography resists bacterial contamination transferred by healthcare practitioners. *Journal of Microbiology and Experimentation*. December 2014.

Mann EE, Manna D, Mettetal RM, May RM, Chung K, Reddy ST. Surface microtopography limits bacterial contamination. *Antimicrobial Resistance and Infection Control*. Antimicrobial Resistance and Infection Control. September 2014. PMID 25232470

Roy S, Elgharably H, Sinha M, Ganesh K, Chaney S, **Mann E**, Miller C, Khanna S, Bergdall VK, Powell HM, Cook CH, Gordillo GM, Wozniak DJ, Sen CK. Mixed-species Biofilm Compromises Burn Wound Healing by Disrupting Epidermal Barrier Function. *PloS Pathogens J. Path*. 2014. PMID 24771509

Thomas VC, Sadykov MR, Moormeier DE, Endres JL, **Mann EE**, Bose JL, Bayles KW. Metabolic modulation of staphylococcal programmed cell death facilitates biofilm development. *Appl. Environ. Micro*. 2013. PMID 23524683

Elgharably, H, **Mann EE**, Elsayed-Awad H, Gordillo G, Roy S, Sai-Sudhakar CB, Wozniak DJ, Sen CK. First evidence of sternal wound biofilm following cardiac surgery. *PloS One*. 2013. PMID 23936415

Moormeier D, Endres JL, **Mann EE**, Sadykov MR, Horswill A, Rice KC, Fey P, Bayles KW. Hypoxia-induced cidABC and lrgAB Expression During Staphylococcus aureus Biofilm Formation. *AEM* 2013. PMID 23524683 .

Jones CJ, Ryder CR, **Mann EE**, Wozniak DJ. AmrZ modulates *Pseudomonas aeruginosa* biofilm architecture by directly repressing transcription of the *psl* operon. *J. Bact*. 2013. PMCID: 23354748

Mann EE, Wozniak DJ. Pseudomonas biofilm matrix composition and niche biology. *FEMS Microbiol Rev*. 2012. *FEMS Microbiol Rev*. 2012 Jul;36(4):893-916. PMID: 22212072

Byrd MS, Pang B, Hong W, Waligora EA, Juneau RA, Armbruster CE, Weimer KE, Murrah K, **Mann EE**, Lu H, Sprinkle A, Parsek MR, Kock ND, Wozniak DJ, Swords WE. Direct evaluation of *Pseudomonas aeruginosa* biofilm mediators in a chronic infection model. *Infect Immun*. 2011;79(8):3087-95. PMCID: 3147566.

Huseby MJ, Kruse AC, Digre J, Kohler PL, Vocke JA, **Mann EE**, Bayles KW, Bohach GA, Schlievert PM, Ohlendorf DH, Earhart CA. Beta toxin catalyzes formation of nucleoprotein matrix in staphylococcal biofilms. *Proc Natl Acad Sci U S A*. 2010;107(32):14407-12. PMCID: 2922554.

Mann EE, Rice KC, Boles BR, Endres JL, Ranjit D, Chandramohan L, Tsang LH, Smeltzer MS, Horswill AR, Bayles KW. Modulation of eDNA release and degradation affects *Staphylococcus aureus* biofilm maturation. *PLoS One*. 2009;4(6):e5822. PMCID: 2688759.

Sharma-Kuinkel BK, **Mann EE**, Ahn JS, Kuechenmeister LJ, Dunman PM, Bayles KW. The *Staphylococcus aureus* LytSR two-component regulatory system affects biofilm formation. *J Bacteriol*. 2009;191(15):4767-75. PMCID: 2715716.

Mann E, Zaunbrecher MA, Hitz K, Churchward G. The 52nd Annual Wind River Conference On Prokaryotic Biology 2008. *J Bacteriol*. 2008;190(24):7871-5. PMCID: 2593210.

Rice KC, **Mann EE**, Endres JL, Weiss EC, Cassat JE, Smeltzer MS, Bayles KW. The *cidA* murein hydrolase regulator contributes to DNA release and biofilm development in *Staphylococcus aureus*. *PNAS*. 2007;104(19):8113-8. PMID: 17452642

Corsini J, **Mann E**. Rapid cryopreservation of five mammalian and one mosquito cell line at -80 degrees C while attached to flasks in a serum free cryopreservative. *BiolProced Online*. 2005;7:26-30. PMCID: 1190376.