


Stanford



Cedar Fowler

Clinical Assistant Professor, Anesthesiology, Perioperative and Pain Medicine

 Resume available Online

CLINICAL OFFICES

- **Anesthesia**

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Bio

CLINICAL FOCUS

- Anesthesia

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Anesthesiology, Perioperative and Pain Medicine

PROFESSIONAL EDUCATION

- Board Certification: Anesthesia, American Board of Anesthesiology (2021)
- Fellowship: Stanford University Anesthesiology Fellowships (2020) CA
- Residency: Stanford University Anesthesiology Residency (2019) CA
- Internship: Alameda County Highland Hospital Internal Medicine Residency (2016) CA
- Medical Education: Tufts University School of Medicine (2015) MA
- M.D., Tufts University School of Medicine , Medicine (2015)
- Ph.D, University of Cambridge , Immunology (2014)
- MPH, Tufts University School of Medicine , Public Health (2015)

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Anesthesia (Fellowship Program)

- Obstetric Anesthesia (Fellowship Program)

Publications

PUBLICATIONS

- **The effects of sildenafil on ciliary beat frequency in patients with pulmonary non-tuberculous mycobacteria disease: phase I/II trial.** *BMJ open respiratory research*
Fowler, C., Wu, U., Shaffer, R., Smith, C., Barnhart, L., Bryant, C., Olivier, K., Holland, S. M.
2020; 7 (1)
- **Feasibility study of a smartphone pupillometer and evaluation of its accuracy.** *Journal of clinical monitoring and computing*
Neice, A. E., Fowler, C. n., Jaffe, R. A., Brock-Utne, J. G.
2020
- **Performance of Litholyme compared with Sodasorb carbon dioxide absorbents in a standard clinical setting.** *British journal of anaesthesia*
Fowler, C. J., Burbridge, M. A., Jaffe, R. A., Brock-Utne, J. G.
2019; 122 (1): e11–e12
- **TNF overproduction impairs epithelial staphylococcal response in hyper IgE syndrome.** *The Journal of clinical investigation*
Myles, I. A., Anderson, E. D., Earland, N. J., Zarembek, K. A., Sastalla, I., Williams, K. W., Gough, P., Moore, I. N., Ganesan, S., Fowler, C. J., Laurence, A., Garofalo, M., Kuhns, et al
2018; 128 (8): 3595-3604
- **Assessing the Collective Dynamics of Motile Cilia in Cultures of Human Airway Cells by Multiscale DDM** *BIOPHYSICAL JOURNAL*
Feriani, L., Juenet, M., Fowler, C. J., Bruot, N., Chioccioli, M., Holland, S. M., Bryant, C. E., Cicuta, P.
2017; 113 (1): 109–19
- **Closed-Loop Anesthesia: Wave of the Future or No Future?** *You're Wrong, I'm Right.*
Fowler, C. J., Ching, H.
Springer International Publishing Switzerland.2017; 1: 19–20
- **Pulmonary Nontuberculous Mycobacterial Infection A Multisystem, Multigenic Disease** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*
Szymanski, E. P., Leung, J. M., Fowler, C. J., Haney, C., Hsu, A. P., Chen, F., Duggal, P., Oler, A. J., McCormack, R., Podack, E., Drummond, R. A., Lionakis, M. S., Browne, et al
2015; 192 (5): 618–28
- **A Familial Syndrome of Pulmonary Nontuberculous Mycobacteria Infections** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*
Leung, J. M., Fowler, C., Smith, C., Adjemian, J., Frein, C., Claypool, R. J., Holland, S. M., Prevots, R. D., Olivier, K.
2013; 188 (11): 1373–76
- **Abnormal Nasal Nitric Oxide Production, Ciliary Beat Frequency, and Toll-like Receptor Response in Pulmonary Nontuberculous Mycobacterial Disease Epithelium** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*
Fowler, C. J., Olivier, K. N., Leung, J. M., Smith, C. C., Huth, A. G., Root, H., Kuhns, D. B., Logun, C., Zelazny, A., Frein, C. A., Daub, J., Haney, C., Shelhamer, et al
2013; 187 (12): 1374–81
- **Clinical experience with a simple algorithm for plerixafor utilization in autologous stem cell mobilization** *BONE MARROW TRANSPLANTATION*
Chen, A. I., Bains, T., Murray, S., Knight, R., Shoop, K., Bubalo, J., Fowler, C., Slater, S., Maziarz, R. T.
2012; 47 (12): 1526–29
- **Preserving immunogenicity of lethally irradiated viral and bacterial vaccine epitopes using a radio- protective Mn2+-Peptide complex from Deinococcus.** *Cell host & microbe*
Gaidamakova, E. K., Myles, I. A., McDaniel, D. P., Fowler, C. J., Valdez, P. A., Naik, S., Gayen, M., Gupta, P., Sharma, A., Glass, P. J., Maheshwari, R. K., Datta, S. K., Daly, et al
2012; 12 (1): 117-124
- **Gene Therapy of Canine Leukocyte Adhesion Deficiency Using Lentiviral Vectors With Human CD11b and CD18 Promoters Driving Canine CD18 Expression** *MOLECULAR THERAPY*
Hunter, M. J., Tuschong, L. M., Fowler, C. J., Bauer, T. R., Burkholder, T. H., Hickstein, D. D.

2011; 19 (1): 113–21

- **Life-threatening adenovirus infections in the setting of the immunocompromised allogeneic stem cell transplant patients.** *Advances in hematology*
Fowler, C. J., Dunlap, J., Troyer, D., Stenzel, P., Epner, E., Maziarz, R. T.
2010; 2010: 601548
- **Clinical use of plerixafor in combination with granulocyte-colony stimulating factor in hematopoietic stem cell transplantation** *TRANSPLANT RESEARCH AND RISK MANAGEMENT*
Fowler, C. J., Maziarz, R. T.
2010; 2: 47–58
- **Rescue from failed growth factor and/or chemotherapy HSC mobilization with G-CSF and plerixafor (AMD3100): an institutional experience** *BONE MARROW TRANSPLANTATION*
Fowler, C. J., Dunn, A., Hayes-Lattin, B., Hansen, K., Hansen, L., Lanier, K., Nelson, V., Kovacovics, T., Leis, J., Calandra, G., Maziarz, R. T.
2009; 43 (12): 909–17
- **Functional role of lipid raft microdomains in cyclic nucleotide-gated channel activation** *MOLECULAR PHARMACOLOGY*
Brady, J. D., Rich, T. C., Le, Stafford, K., Fowler, C. J., Lynch, L., Karpen, J. W., Brown, R. L., Martens
2004; 65 (3): 503–11
- **Endoplasmic reticulum stress is a determinant of retrovirus-induced spongiform neurodegeneration** *JOURNAL OF VIROLOGY*
Dimcheff, D. E., Askovic, S., Baker, A. H., Johnson-Fowler, C., Portis, J. L.
2003; 77 (23): 12617–29