

Stanford



Deshka Foster

- Postdoctoral Medical Fellow, Plastic and Reconstructive Surgery
- Ph.D. Student in Cancer Biology, admitted Summer 2017
- Resident in Surgery - General Surgery

Bio

CLINICAL FOCUS

- Residency

HONORS AND AWARDS

- Best Basic/Translational Oral Presentation, Holman Research Day, Stanford University Department of Surgery (2019)
- Excellence in Research Award, Surgical Oncology, American College of Surgeons (ACS) Clinical Congress (2019)
- Best Basic/Translational Oral Presentation, Holman Research Day, Stanford University Department of Surgery (2018)
- Excellence in Research Award, Surgical Oncology, American College of Surgeons (ACS) Clinical Congress (2018)
- Advanced Residency Training at Stanford (ARTS) Program, Stanford University School of Medicine (2017 - present)
- NIH Loan Repayment Program (LRP), National Institutes of Health (2017 - present)
- Resident Research Award, American College of Surgeons (ACS) (2017 - 2019)
- Fall Courses Travel Award, Association of Academic Surgery (AAS) (2017)
- The Donald R. Cooper, M.D. Award for Excellence in Surgery, Drexel University College of Medicine (2015)
- Women's Health Scholar, Drexel University College of Medicine (2015)
- Fulbright Research Scholarship, U.S. Department of State (2010)

STANFORD ADVISORS

- Michael Longaker, Postdoctoral Research Mentor
- Michael Longaker, Doctoral Dissertation Advisor (AC)

Research & Scholarship

CURRENT CLINICAL INTERESTS

- Surgery
- Surgical Oncology
- Wound Healing

LAB AFFILIATIONS

- Michael Longaker, Longaker Laboratory (7/1/2017)

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cancer Biology (Phd Program)

Publications

PUBLICATIONS

- **Endogenous Breast Cancer Shows Clonal Proliferation of Cancer Associated Fibroblasts at Primary Tumor and Metastatic Sites**
Foster, D. S., Chinta, M., Nguyen, A. T., Salhotra, A., Ransom, R., Jones, R., Titan, A. L., Mascharak, S., Norton, J. A., Longaker, M. T.
ELSEVIER SCIENCE INC.2019: S262
- **Role of the Skeletal Stem Cell in Achilles Tendon to Bone Interface Healing**
Titan, A. L., Jones, R., Salhotra, A., Robertson, K. S., Foster, D., Menon, S., Murphy, M., Lucero, G. V., Chan, C. K., Longaker, M. T.
ELSEVIER SCIENCE INC.2019: S228–S229
- **Effect of Mechanical Loading on Clonality of Injured Flexor Tendons after Repair**
Titan, A. L., Foster, D., Jones, R., Salhotra, A., Nguyen, A. T., Longaker, M. T.
ELSEVIER SCIENCE INC.2019: S221
- **Fibroblast Proliferation in Wound Healing Is Clonal and Focal Adhesion Kinase-Dependent**
Chinta, M., Foster, D., Nguyen, A. T., Salhotra, A., Ransom, R. C., Jones, R., Titan, A. L., Marshall, C., Mascharak, S., Longaker, M. T.
ELSEVIER SCIENCE INC.2019: S223
- **Regenerative Skin Healing Through Targeted Modulation of Engrailed1-Negative Fibroblasts**
Mascharak, S., desJardins-Park, H. E., Moore, A. L., Borrelli, M. R., Chinta, M., Foster, D., Lorenz, H., Longaker, M. T.
ELSEVIER SCIENCE INC.2019: S228
- **Cancer-Associated Fibroblasts Persist but Show Decreased Fibroblast Activation Protein Expression after Neoadjuvant Chemotherapy in Human Pancreatic Ductal Adenocarcinoma**
Foster, D. S., Nguyen, A. T., Chinta, M., Titan, A. L., Salhotra, A., Jones, R., Mascharak, S., Norton, J., Longaker, M. T.
ELSEVIER SCIENCE INC.2019: S257–S258
- **Tumors Co-Opt Fibroblast Wound Healing Capacity**
Foster, D. S., Mascharak, S., Nguyen, A. T., Chinta, M., Salhotra, A., Titan, A. L., Jones, R., da Silva, O., Norton, J. A., Longaker, M. T.
ELSEVIER SCIENCE INC.2019: S231–S232
- **Wounds Inhibit Tumor Growth In Vivo.** *Annals of surgery*
Hu, M. S., Maan, Z. N., Leavitt, T., Hong, W. X., Rennert, R. C., Marshall, C. D., Borrelli, M. R., Zhu, T. N., Esquivel, M., Zimmermann, A., McArdle, A., Chung, M. T., Foster, et al
2019
- **Management of Ileal Neuroendocrine Tumors with Liver Metastases.** *Journal of gastrointestinal surgery : official journal of the Society for Surgery of the Alimentary Tract*
Fisher, A. T., Titan, A. L., Foster, D. S., Worth, P. J., Poultsides, G. A., Visser, B. C., Dua, M. M., Norton, J. A.
2019
- **Skeletal Stem Cell-Schwann Cell Circuitry in Mandibular Repair.** *Cell reports*
Jones, R. E., Salhotra, A., Robertson, K. S., Ransom, R. C., Foster, D. S., Shah, H. N., Quarto, N., Wan, D. C., Longaker, M. T.
2019; 28 (11): 2757–66.e5
- **Flexor Tendon: Development, Healing, Adhesion Formation, and Contributing Growth Factors.** *Plastic and reconstructive surgery*
Titan, A. L., Foster, D. S., Chang, J., Longaker, M. T.
2019; 144 (4): 639e–647e
- **A Clearing Technique to Enhance Endogenous Fluorophores in Skin and Soft Tissue.** *Scientific reports*
Foster, D. S., Nguyen, A. T., Chinta, M., Salhotra, A., Jones, R. E., Mascharak, S., Titan, A. L., Ransom, R. C., da Silva, O. L., Foley, E., Briger, E., Longaker, M. T.

2019; 9 (1): 15791

- **Wound healing and fibrosis: current stem cell therapies.** *Transfusion*
Jones, R. E., Foster, D. S., Hu, M. S., Longaker, M. T.
2019; 59 (S1): 884–92
- **Doxycycline Reduces Scar Thickness and Improves Collagen Architecture.** *Annals of surgery*
Moore, A. L., desJardins-Park, H. E., Duoto, B. A., Mascharak, S., Murphy, M. P., Irizarry, D. M., Foster, D. S., Jones, R. E., Barnes, L. A., Marshall, C. D., Ransom, R. C., Wernig, G., Longaker, et al
2018
- **Author Correction: Genetic dissection of clonal lineage relationships with hydroxytamoxifen liposomes.** *Nature communications*
Ransom, R. C., Foster, D. S., Salhotra, A., Jones, R. E., Marshall, C. D., Leavitt, T., Murphy, M. P., Moore, A. L., Blackshear, C. P., Brett, E. A., Wan, D. C., Longaker, M. T.
2018; 9 (1): 4411
- **Acta2, Tnc, and Col24a1 Expression Are Associated with Abdominal Adhesion Formation**
Marshall, C. D., Foster, D. S., Ransom, R. C., Manjunath, A., Gulati, G., Hu, M. S., Moore, A. L., Barnes, L. A., Longaker, M. T.
ELSEVIER SCIENCE INC.2018: E128
- **Nerve-Dependent Mandibular Regeneration by Skeletal Stem Cells in Fracture Repair**
Jones, R., Ransom, R. C., Salhotra, A., Foster, D. S., Wan, D. C., Longaker, M. T.
ELSEVIER SCIENCE INC.2018: S197
- **Reduced Scar Thickness Achieved by Topical Doxycycline Is Mediated by Specific Skin Fibroblast Populations and Not Immune Cell Infiltrate**
Moore, A. L., Murphy, M. P., Irizarry, D. M., Des Jardins-Park, H. E., Duoto, B. A., Mascharak, S., Foster, D. S., Jones, R., Wernig, G., Longaker, M. T.
ELSEVIER SCIENCE INC.2018: S210–S211
- **Clonal Analysis of Local Fibroblasts in Wound Healing and Tumor Stroma**
Foster, D. S., Ransom, R. C., Nguyen, A. T., Salhotra, A., Jones, R. E., Hu, M. S., Norton, J. A., Longaker, M. T.
ELSEVIER SCIENCE INC.2018: S236
- **Gastrinomas: Medical or Surgical Treatment.** *Endocrinology and metabolism clinics of North America*
Norton, J. A., Foster, D. S., Ito, T., Jensen, R. T.
2018; 47 (3): 577–601
- **Management of Liver Neuroendocrine Tumors in 2018.** *JAMA oncology*
Foster, D. S., Jensen, R., Norton, J. A.
2018
- **Fibroblasts and wound healing: an update.** *Regenerative medicine*
des Jardins-Park, H. E., Foster, D. S., Longaker, M. T.
2018
- **Genetic dissection of clonal lineage relationships with hydroxytamoxifen liposomes.** *Nature communications*
Ransom, R. C., Foster, D. S., Salhotra, A., Jones, R. E., Marshall, C. D., Leavitt, T., Murphy, M. P., Moore, A. L., Blackshear, C. P., Wan, D. C., Longaker, M. T.
2018; 9 (1): 2971
- **Incidence and Prognosis of Primary Gastrinomas in the Hepatobiliary Tract** *JAMA SURGERY*
Norton, J. A., Foster, D. S., Blumgart, L. H., Poultsides, G. A., Visser, B. C., Fraker, D. L., Alexander, H., Jensen, R. T.
2018; 153 (3): e175083
- **Axillary reverse mapping with indocyanine green or isosulfan blue demonstrate similar crossover rates to radiotracer identified sentinel nodes** *JOURNAL OF SURGICAL ONCOLOGY*
Foster, D., Choy, N., Porter, C., Ahmed, S., Wapnir, I.
2018; 117 (3): 336–40
- **Endoscopic Excision of Benign Facial Masses in Children: A Review of Outcomes.** *Journal of laparoendoscopic & advanced surgical techniques. Part A*
Foster, D., Sinclair, T. J., Taylor, J. S., Dutta, S., Lorenz, H. P., Bruzoni, M.
2018

- **The evolving relationship of wound healing and tumor stroma.** *JCI insight*
Foster, D. S., Jones, R. E., Ransom, R. C., Longaker, M. T., Norton, J. A.
2018; 3 (18)
- **Wound Healing and Fibrosis: Current Stem Cell Therapies** *Transfusion*
Jones, R., Foster, D. S., Hu, M., Longaker, M. T.
2018
- **Management of Chronic Wounds-2018.** *JAMA*
Jones, R. E., Foster, D. S., Longaker, M. T.
2018; 320 (14): 1481–82
- **Surgical Site Infections after Inguinal Hernia Repairs Performed in Low and Middle Human Development Index Countries: A Systematic Review.** *Surgical infections*
Cai, L. Z., Foster, D., Kethman, W. C., Weiser, T. G., Forrester, J. D.
2017
- **Surgical Site Infections after Appendectomy Performed in Low and Middle Human Development-Index Countries: A Systematic Review.** *Surgical infections*
Foster, D., Kethman, W., Cai, L. Z., Weiser, T. G., Forrester, J. D.
2017
- **Regression of experimental NIS-expressing breast cancer brain metastases in response to radioiodide/gemcitabine dual therapy** *ONCOTARGET*
Renier, C., Do, J., Reyna-Neyra, A., Foster, D., De, A., Vogel, H., Jeffrey, S. S., Tse, V., Carrasco, N., Wapnir, I.
2016; 7 (34): 54811-54824
- **Palliative Surgery for Advanced Cancer: Identifying Evidence-Based Criteria for Patient Selection: Case Report and Review of Literature** *JOURNAL OF PALLIATIVE MEDICINE*
Foster, D., Shaikh, M. F., Gleeson, E., Babcock, B. D., Ringold, D., Bowne, W. B.
2016; 19 (1): 22-29
- **Pancreatic mucinous cystic neoplasm in a transgender patient** *WORLD JOURNAL OF SURGICAL ONCOLOGY*
Foster, D., Shaikh, M. F., Gleeson, E., Babcock, B. D., Lin, J., Ownbey, R. T., Hysell, M. E., Ringold, D., Bowne, W. B.
2015; 13
- **Richter-type Spigelian hernia: A case report and review of the literature.** *International journal of surgery case reports*
Foster, D., Nagarajan, S., Panait, L.
2015; 6C: 160-162
- **Evaluation of three rapid diagnostic tests for the detection of human infections with Plasmodium knowlesi** *MALARIA JOURNAL*
Foster, D., Cox-Singh, J., Mohamad, D. S., Krishna, S., Chin, P. P., Singh, B.
2014; 13
- **Ex vivo Evans blue assessment of the blood brain barrier in three breast cancer brain metastasis models.** *Breast cancer research and treatment*
Do, J., Foster, D., Renier, C., Vogel, H., Rosenblum, S., Doyle, T. C., Tse, V., Wapnir, I.
2014; 144 (1): 93-101
- **Two treatments, one disease: childhood malaria management in Tanga, Tanzania** *MALARIA JOURNAL*
Foster, D., Vilendrer, S.
2009; 8