

Thomas Forman

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EDUCATION

Current: Medical Scientist Training Program, University of Colorado

- Current year: G-1

B.S. in Biology, with honors, with a minor in Biochemistry, University of Oregon, June 2017

- Thesis Title: *Lrig1 restrains epithelial-mesenchymal transformation in the developing heart valves*

LABORATORY AND RESEARCH EXPERIENCE

Research Associate, Department of Radiology, University of Colorado School of Medicine, April 2019-October 2019 (Tomosynthesis Mammographic Imaging Screening Trial, ClinicalTrials.gov Identifier: NCT03233191)

PhD Rotation, Leinwand Lab, Molecular Cellular and Developmental Biology, University of Colorado Boulder, June 2019 to August 2019

Life Sciences Research Professional, Tawfik Lab, Department of Anesthesiology, Stanford School of Medicine, Stanford University, July 2017 to July 2018

Undergraduate researcher – Stankunas Lab, Institute of Molecular Biology, Department of Biology, University of Oregon, April 2015 to June 2017

VOLUNTEER EXPERIENCE (as of August 2018)

MSTP curriculum reform committee (August 2019 to present)

Board of Directors and Director of Finance, Young Hands in Science (September 2019 to present)

MSTP student council class representative (August 2018 to present)

“Health System Science Ambassador:” Selected to serve as an ambassador for the new Health System Science experiential curriculum at CUSOM (September 2018 to June 2019)

PUBLICATIONS

- (1) **Forman, T. E.**; Niemi, A.-K.; Prahalad, P.; Shi, R. Z.; Nally, L. M. Cinacalcet Therapy in an Infant with an R185Q Calcium-Sensing Receptor Mutation Causing Hyperparathyroidism: A Case Report and Review of the Literature. *J. Pediatr. Endocrinol. Metab.* **2019**, 32 (3). <https://doi.org/10.1515/jpem-2018-0307>.
- (2) Cropper, H. C.; Johnson, E. M.; Haight, E. S.; Cordonnier, S. A.; Chaney, A. M.; **Forman, T. E.**; Biswal, A.; Stevens, M. Y.; James, M. L.; Tawfik, V. L. Longitudinal Translocator Protein-18 KDa–Positron Emission Tomography Imaging of Peripheral and Central

- Myeloid Cells in a Mouse Model of Complex Regional Pain Syndrome: *PAIN* **2019**, *160* (9), 2136–2148. <https://doi.org/10.1097/j.pain.0000000000001607>.
- (3) Haight, E. S.; **Forman, T. E.**; Cordonnier, S. A.; James, M. L.; Tawfik, V. L. Microglial Modulation as a Target for Chronic Pain: From the Bench to the Bedside and Back. *Anesth. Analg.* **2019**, *128* (4). <https://doi.org/10.1213/ANE.0000000000004033>.
- (4) Tawfik, V. L.; Quarta, M.; Paine, P.; **Forman, T. E.**; Pajarinen, J.; Takemura, Y.; Goodman, S. B.; Rando, T. A.; Clark, J. D. Angiotensin Receptor Blockade Mimics the Effect of Exercise on Recovery after Orthopaedic Trauma by Decreasing Pain and Improving Muscle Regeneration. *J. Physiol.* **2020**, *598* (2), 317–329. <https://doi.org/10.1113/JP278991>.

PRESENTATIONS and ABSTRACTS

- Poster Presentation, Western Anesthesiology Residents’ Conference (May, 2018)
 - Title: “Temporal control of microglial reactivity reveals sex-independent functional contribution of microglia to long-lasting pain”
 - Authors: **Thomas Forman**, Elena Haight*, Yoshinori Takemura, J. David Clark, Vivianne L. Tawfik
- Poster Presentation, Weinstein Cardiovascular Development Conference (May, 2017)
 - Title: “Lrig1 restrains epithelial-mesenchymal transformation the developing heart valves”
 - Authors: **Thomas E. Forman**, Fernanda M. Bosada, and Kryn Stankunas
- Poster Presentation, Annual Biomedical Research Conference for Minority Students (ABRCMS) (November, 2016)
 - Title: “Lrig1 Modulation of Cell Signaling in Heart Valve Development”
 - Authors: **Thomas E. Forman**, Fernanda M. Bosada, and Kryn Stankunas
- Poster and Oral Presentation, Summer Program for Undergraduate Research (SPUR) symposium (August, 2016)
 - Title: “Lrig1 Modulation of Cell Signaling in Heart Valve Development”
 - Authors: **Thomas E. Forman**, Fernanda M. Bosada, and Kryn Stankunas
- Poster Presentation at the University of Oregon Undergraduate Research Symposium (May, 2016)
 - Title: "Investigating a Novel Gene in Heart Valve Development and Disease"
 - Authors: **Thomas E. Forman**, Fernanda M. Bosada, and Kryn Stankunas

GRANTS and AWARDS

- University of Colorado Diversity and Inclusive Excellence (January 2019) - \$1000
- T32 Training grant appointee (CU Medical Scientist Training Program) 2T32GM008497-27 (8/2019-7/2020)
- T32 Training grant appointee (CU Medical Scientist Training Program) 2T32GM008497-26 (8/2018-7/2019)
- University of Colorado Innovations Award (October 2018 to June 2019) - \$1000
- Rosa L. Parks Diversity Award (May 2019)
- University of Colorado Slay Community Scholars Award (June 2019 – June 2020) - \$1000
- Winner, Holocaust Genocide and Contemporary Bioethics Case Study Writing Competition, University of Colorado Center for Bioethics and Humanities (January 2019)
 - Title: “*Vaccines, Biological Weapons, and Dual-Use Research*”

- Developmental biology/genetics poster presentation award (November 2017)
- ABRCMS student travel awardee (November 2017)
- Center on Teaching and Learning Undergraduate Research Fellowship (October 2016 – June 2017) - \$20000
- Alden Award (Summer 2016)
- NIGMS R25/University of Oregon SMART award (Summer 2016) - \$4000
- University of Oregon Women in Graduate Science Summer Research Award (Summer 2016) - \$500
- Undergraduate Research Symposium Premed Award (2016)
- Frank and Stephanie Huestis-McLean Memorial Scholarship (October 2015 – June 2016)
- Apex Scholarship (October 2013 – June 2017)
- General University Scholarship (October 2013 – June 2017)