

Thomas B. Morland, M.D.
Curriculum Vitae

January 2023

Office Address: Geisinger Medical Center
DLL-1401
100 North Academy Ave
Danville, PA 17822

Education:
2004 Sc.B. Brown University (Cognitive Neuroscience)
2010 M.D. Yale University

Postgraduate Training Appointments:
2010-2011 Intern in Medicine (Primary Care), Hospital of the
University of Pennsylvania
2011-2013 Resident in Medicine (Primary Care), Hospital of the
University of Pennsylvania

Faculty Appointments:
2014-2018 Clinical Assistant Professor of Medicine (Adjunct),
Temple University School of Medicine
2014-2020 Core Faculty, Geisinger Internal Medicine Residency
2018-present Clinical Assistant Professor of Medicine, Department
of Clinical Sciences, Geisinger Commonwealth
School of Medicine
2020-2022 Assistant Professor, Clinical Research, Department
of Translational Data Science and Informatics
2022-2023 Assistant Professor, Clinical Research, Department
of Population Health Sciences

Hospital and Administrative Appointments:
2013-present Associate in General Internal Medicine, Geisinger
Health System
2015-2020 Director, Ambulatory Rotation, Geisinger Internal
Medicine Residency
2020-present Member, Board of Directors, YMCA the Miller Center,
Powered by Evangelical and Geisinger

Specialty Certification:
2013 American Board of Internal Medicine

Licensure:
Pennsylvania

Additional Training:

2011-2013	Quality Improvement Track, Hospital of the University of Pennsylvania
2016	10x10 Course: Introduction to Biomedical and Health Informatics, Oregon Health & Science University
2017	Jefferson Population Health Academy, Thomas Jefferson University
2018	The Leadership Program in Integrative Health at Duke University

Additional Work Experience:

2004-2005	Teaching Fellow, Harvard University Extension School
2005-2006	Market Analyst, Boston Biomedical Consultants

Awards, Honors and Membership in Honorary Societies:

2001	NIH Exceptional Summer Student Award
2003	NIH Exceptional Summer Student Award
2004	Magna Cum Laude
2004	Department Honors in Cognitive Neuroscience
2004	Phi Beta Kappa
2012	Honorable Mention, Johns Hopkins General Internal Medicine House Staff Research Awards
2013	Best Oral Presentation, Medical Education Innovations, Mid-Atlantic Regional SGIM Conference
2014	Teacher of the Month, Geisinger Internal Medicine Residency
2017	Teacher of the Month, Geisinger Internal Medicine Residency
2018	Top grade, editors' evaluation of review quality for <u>Annals of Internal Medicine</u> in 2017

Editorial Positions:

2014, 2017	Reviewer, <u>Annals of Internal Medicine</u>
2016	Reviewer, <u>Health Education & Behavior</u>

Academic and Institutional Committees:

2005-2006	Member, Liaison Committee on Medical Education Student Survey Committee, Yale University School of Medicine
2011-2013	Member, Ambulatory Quality and Practice Improvement Committee, University of Pennsylvania Health System
2014-2018	Member, Pharmacy and Therapeutics Committee, Geisinger Health Plan

- 2014-2020 Member, Clinical Competence Committee, Geisinger Internal Medicine Residency
- 2015-2020 Member, Program Evaluation Committee, Geisinger Internal Medicine Residency
- 2016-present Messenger, Patient Advocacy Reporting System, Geisinger Health System
- 2017-2019 Co-chair, Heart Failure Care Improvement Program, Geisinger Health System

Key Internal Lectures:

- November 1, 2013 “Achieving High Quality Colorectal Cancer Screening in a Complex Population.” Department of Medicine Grand Rounds, Geisinger Medical Center
- March 5, 2014 “Monitoring and Management of the Patient Already on Bisphosphonates.” Geisinger Medical Center CME Program
- December 19, 2014 “Integrative Medicine: What Does the Evidence Show?” Department of Medicine Grand Rounds, Geisinger Medical Center
- March 4, 2015 “Harm Reduction and an Evidence-Based Approach to Alternative Medications.” Geisinger Medical Center CME Program
- June 15, 2016 “The Methodological Challenge.” (Clinician Co-presenter with Sharon Larson, PhD). Enhancing Patient- and Family-Centered Care through Learning, Discovery and Engagement: A Symposium. The Henry Hood Center for Health Research.
- October 14, 2016 “Integrative Medicine: Applications for Chronic Pain.” Chronic Pain Symposium. The Henry Hood Center for Health Research.
- November 3, 2017 “Overcoming the Opioid Epidemic: Multidisciplinary Approaches to Chronic Pain.” 24th Annual Primary Care Update. Geisinger Western Region.

Podium Presentations at Scientific Conferences:

1. Huang, K.K., Morland, T.B., Gabrellas, A.D. "Resident Engagement in Quality Improvement through the Patient-Centered Medical Home." Mid-Atlantic Regional Society for General Internal Medicine, March 1, 2013
2. Day, S., Arron, M., Gupta, R., Davis, E., Morland, T., Huang, K., Gabrellas, A., Matti. B. "PCMH in Academic Medical Homes: Using Population Management and a Team-based Approach to Care for our Sickest Patients." Society for General Internal Medicine National Meeting, April 25, 2013 (Interactive Workshop and Podium Presentation)
3. Morland, T.B., Synnestvedt, M., Honeywell, S., Yang, F., Armstrong, K., and Guerra, C. "Effect of a Financial Incentive for Colorectal Cancer Screening Adherence on Appropriateness of Colonoscopy Orders." Society for General Internal Medicine National Meeting, April 25, 2014
4. Jing, L., Morland, T., Kelsey, C., Raghunath, S., Pfeifer, J., Ruhl, J., Fornwalt, B., Haggerty, C. "EHR-Based Machine Learning Model Predicts Drug-Induced QT Prolongation With Superior Performance Compared to Clinical Risk Predictors." American Heart Association Scientific Sessions, November 5, 2022
5. Haggerty, C.M. et al. "AI-Based Predictive and Diagnostic Electrocardiography." International Society of Electrocardiology, April 11, 2022.

Poster Presentations at Scientific Conferences:

1. Morland, T., Padmala, S., Pessoa, L. "Effect of Attentional Load on the Processing of Fearful Faces." Society for Neuroscience, October 24, 2004
2. Krueger F., Spampinato M.V., Barbey A., Huey E.D., Morland T., Grafman J. "The Role of the Frontopolar Cortex and Inferior Parietal Cortex in Mediating Action Complexity and Duration: A Parametric fMRI Study." Society for Neuroscience, November 18, 2008
3. Morland, T., Wilkerson, J., Purcaro, M., Blumenfeld, H. "Why Do Epileptic Seizures Cause Loss of Consciousness: a Prospective Study Using Virtual Reality Driving Simulation." Society for Neuroscience, November 18, 2008
4. Wilkerson, J. R., Morland, T. et al. "Virtual Reality Driving Simulation to Assess Impaired Consciousness in Epilepsy." Abstracts of the 2008 Annual Meeting of the American Epilepsy Society. December 5-9, 2008
5. Morland, T., Raghunath, S., Kelsey, C. et al. "Prediction of Drug-Induced QTc Prolongation with an ECG-based Machine Learning Model." American Heart Association, November 13, 2021
6. Abbas, M., Morland, T., et al. "Passive Digital Markers for Alzheimer's Disease and Related Dementia Predict Mild Cognitive Impairment." Alzheimer's Association International Conference, July 31, 2022
7. Finney, G.R., et al. "Early Prediction of Mild Cognitive Impairment Using Medication Profiles." Annual Meeting of the American Neurological Association, October 14, 2022.

Peer Reviewed Publications:

1. Pessoa, L., Padmala, S., & Morland, T. "Fate of Unattended Fearful Faces in the Amygdala is Determined by Both Attention Resources and Cognitive Modulation." NeuroImage, 2005
2. Krueger, F., Spampinato, M.V., Barbey, A., Huey, E., Morland, T., and Grafman, J. "The Frontopolar Cortex Mediates Event Knowledge Complexity: A Parametric fMRI Study." NeuroReport, 2009
3. Yang, L., Morland, T., et. al. "A Prospective Study of Loss of Consciousness in Epilepsy Using Virtual Reality Driving Simulation and Other Video Games." Epilepsy and Behavior, 2010
4. Morland, T., Synnestvedt, M., Honeywell, S., Yang, F., Armstrong, K., Guerra, C. "Effect of a Financial Incentive for Colorectal Cancer Screening Adherence on the Appropriateness of Colonoscopy Orders." American Journal of Medical Quality, 2016
5. El-Manzalawy, Y. et al. "OASIS +: leveraging machine learning to improve the prognostic accuracy of OASIS severity score for predicting in-hospital mortality." BMC Medical Informatics and Decision Making, 2021
6. Abbas, M., Morland, T. et al. "Associations between Google Search Trends for Symptoms and COVID-19 Confirmed and Death Cases in the United States." International Journal of Environmental Research and Public Health, 2021
7. Raghunath, S. et al. "An ECG-based machine learning model for predicting new-onset atrial fibrillation is superior to age and clinical features in identifying patients at high stroke risk." Journal of Electrocardiology, 2022.

Media and Popular Press Appearances

1. Sirius-XM Radio, Doctor Radio. February 1, 2018, guest of Dr. Nieca Goldberg, interviewed regarding 2018 influenza season

Research Funding:

2001	NIH Summer Student Stipend – Approximately \$4,500
2003	NIH Summer Student Stipend – Approximately \$4,500
2007	NIH CTSA T32 Research Fellowship for Medical Students – Approximately \$4,000
2011	University of Pennsylvania MSHP Armstrong Founders Award – \$3,000
2020	Geisinger Health System, Large Internal Grant - \$99,000
2020-2023	Geisinger-Tempus Collaboration - 0.20 FTE
2022-2024	Tempus Laboratories ECG-AID trial – 0.10 FTE

Additional Funding:

2009	Howard A. Minners, M.D. 1957 International Fellowship (Argentina) - \$3,000
2016	Bravewell scholarship to support integrative health leadership program at Duke University - \$10,000

Mentorship:

Faculty Mentor for Katherine Roza, M.D., Internal Medicine
Resident at Geisinger Medical Center

Foreign Languages:

Portuguese, Fluent Written and Oral
Spanish, Fluent Written and Oral

References:

Available upon request