

Contact

www.linkedin.com/in/briangrosspubprofile (LinkedIn)

Top Skills

Business Management
Software as a Service (SaaS)
SaaS Sales

Certifications

Certified Respiratory Therapist (CRT)
Creating Your Sales Process
Respiratory Care Practitioner
Registered Respiratory Therapist (RRT)

Publications

Hemodynamic Instability Prediction Using Continuous Multi-parameter Monitoring in the ICU
Apparatus for measuring and predicting patients' respiratory stability
Supplemental systemic oxygen support using an intraluminal membrane oxygenator
Heuristics to Determine Ventilation Times of ICU Patients From the MIMIC-II Database
Massive Clinical Databases and Machine Learning for Predictive Clinical Alerts- Is There a Signal in the Sea of Noise?

Patents

System and method for distributing meaningful clinical alerts
Apparatus for measuring and predicting patients' respiratory stability
Device, apparatus and method for obtaining physiological signals by way of a feeding tube

Brian Gross

Innovator, inventor and business leader - Genomics for Infectious Disease - Molecular Epidemiology for Healthcare
Cambridge, Massachusetts, United States

Summary

Brian Gross is the Founder and CEO of Genomics for Infectious Disease (G4ID). He was previously with Philips Healthcare and was responsible to scale the business focusing on use of clinical informatics and genomics to stop the spread of healthcare associated infections, identification of infectious pathogens, and characterizing the resistance and virulence of microbes. As a Fellow Scientist and Clinical Systems Architect, he previously was responsible for the Clinical Sciences and Innovation Team for CMO and CTO, and led multiple organic and co-creation innovations within Philips. Many of these innovations have led to adjacent products, solutions, and new businesses for Philips.

In his prior roles he was responsible for directing organic and business funded research and advanced development for monitoring and time critical applications, advanced clinical decision support applications, as well as driving application interoperability and user delight across the solution in the business. He was also responsible for clinical research and validation activities for the global Patient Monitoring businesses. Brian has extensive experience designing, developing and conducting clinical research, and advanced product development; including large animal surgery and instrumentation.

Brian received his BSEE and MSc in Biomedical Engineering from Worcester Polytechnic Institute, in Worcester Massachusetts. He is a licensed Respiratory Care Practitioner in the Commonwealth of Massachusetts, and was formally a Paramedic and Paramedic Skills Evaluator in New York. He is a senior member of the IEEE, a member of the American Association of Respiratory Care, and the Society of Critical Care Medicine. Brian is a senior member of AAMI Medical Alarm Standards Committee, and a technical and clinical expert on IEC/ISO TC62D committee. He served as an investigator on several very competitive publicly funded projects including the NIH-NIBIB funded Bioengineering Research Partnership with



Method of rendering hemodynamic instability index indicator information

Method and system to reduce the nuisance alarm load in the clinical setting

Massachusetts Institute of Technology and Beth Israel Hospital, and more recently a CMS Innovation Grant with Mayo Clinic and the NIH's US Critical Illness and Injury Trials Group.

He is a licensed Respiratory Care Practitioner in the Commonwealth of Massachusetts, and was formally a Paramedic and Paramedic Skills Evaluator in New York. He is a senior member of the IEEE, a member of the American Association of Respiratory Care and a member of the Society of Critical Care Medicine.

Experience

Genomics for Infectious Disease

Founder and CEO

August 2022 - Present (1 year 9 months)

Cambridge, Massachusetts, United States

G4ID has the platform and solutions for detection of infectious disease, tracking transmissions, and coordinating teams in Healthcare, Biosurveillance, Preparedness, and Pharma. Consulting domains include business and innovation leadership, strategy, intellectual property, medical device standards, medical device regulatory pathways, design and implementation of healthcare or clinical information systems.

Philips

30 years 5 months

Business Lead - Genomics for Infectious Disease

August 2018 - August 2022 (4 years 1 month)

Fellow Scientist / Clinical Systems Architect

May 2014 - August 2022 (8 years 4 months)

Andover, Massachusetts

Principal Scientist / Clinical Systems Architect

2007 - August 2018 (11 years)

Drive consistency, simplicity and value to the Philips solutions through system specification, risk management, usability and design goals. Deliver demonstrative progress toward Clinical Decision Support innovation funnel and productization. Drive Advanced Development Research activities through internal and external research assets. Evaluate Partner, M&A opportunities for clinical, technical, and business value / fit.

Principal Scientist / Clinical Systems Architect
April 1992 - April 2007 (15 years 1 month)

Town of North Andover
Chair School Committee
March 2011 - March 2017 (6 years 1 month)
North Andover

Elected town official responsible for policy, superintendent and \$46M budget, serving the town of North Andover and its near 4700 students.

HP

Senior Manager Clinical Research
1994 - 2001 (7 years)

Oversee Clinical Affairs group as well as external consultants and CROs to accomplish high level stated business objectives.

Developed process for worldwide clinical investigations, and program manage projects through the process with cross-functional team support.

Education

Worcester Polytechnic Institute
BSEE, Electrical Engineering - Biomed · (1988 - 1990)

Worcester Polytechnic Institute
M.Sc., Biomedical Engineering · (1990 - 1991)

Syracuse University
Industrial Design - Engineering · (1982 - 1985)