President’s Forum on Data

The Future of Health Data Analytics

2nd ANNUAL FORUM

TUESDAY, FEBRUARY 24, 2015
8:00 AM – 1:45 PM

D’Ambra Auditorium
Life Sciences Research Building
University at Albany, State University of New York

UNIVERSITY AT ALBANY
State University of New York
President’s Message

I am pleased to welcome you to the 2nd Annual President’s Forum on Data. Each year, and as part of the UAlbany 2020 program and the UAlbany Advanced Data Analytics Network, the University at Albany comes together to explore data as a resource in the development of new knowledge and economic opportunity and as a tool in policy making and problem solving. This year’s Forum is focused on a critical and timely topic: The Future of Health Data Analytics.

Across the nation, groundbreaking advances in capturing, managing, and using data in health care are making it possible to push the boundaries of health policy and management and patient care and health outcomes in new and innovative ways.

At the University at Albany, our researchers are contributing to these advances through the use of health data analytics. In our research laboratories, scientists are pursuing novel techniques and approaches to improve both the quality of health care and patient outcomes, as well as identifying unnecessary and redundant costs. In other areas, our scientists apply data analytics to the study of climate and weather, transportation, social networks, and homeland security.

In partnership with practitioners, UAlbany scholars are using advanced techniques to build models of systems and policies to improve health management and outcomes. In our classrooms, faculty are working to enhance the learning environment and curriculum to ensure that our students are well prepared for an evolving health-related job market that requires increasingly demanding skill sets and competencies in advanced data analytics.

Through a series of interactive and dynamic conversations, this year’s Forum on Data is poised to advance the national health dialogue by bringing together some of the country’s leading voices in health and data analytics. The Forum will shine a light on how data analytics is advancing health care’s “triple aim,” i.e., improving the patient experience, bolstering health outcomes, and reducing the overall cost of health care.

The Forum will not only explore new and emerging frontiers in health data analytics, but will serve as a platform to develop future collaborations with our partners across health, industry and government. Lessons learned will help enable the University at Albany, together with our public and private sector partners, to further our innovation, research and discovery efforts; foster new educational and learning paradigms; and address many of today’s most complex and difficult-to-solve societal challenges.

We invite you to join us on this exciting journey.

Sincerely,

Robert J. Jones, Ph.D.
President
Agenda

8:00-8:30  REGISTRATION

8:30-8:45  WELCOME
Robert J. Jones, Ph.D., President, University at Albany
James A. Dias, Ph.D., Vice President for Research,
University at Albany
Philip Nasca, Ph.D., Dean, School of Public Health,
University at Albany

8:45-9:15  OPENING KEYNOTE ADDRESS
Health Data Analytics: Government’s Role in Supporting the Future
Courtney Burke, Deputy Secretary for Health, Office of the Governor, State of New York

9:15-10:00  FORUM KEYNOTE ADDRESS
How Social Media/Networking Will Drive the Future of Healthcare
Dan Drawbaugh, Chief Executive Officer, The Steadman Clinic and the Steadman Philippon Research Institute

10:00-10:30  KEYNOTE ADDRESS
Being a Dataologist: From Personalized Health to Population Health
Nitesh V. Chawla, Ph.D., Frank Freimann Collegiate Chair of Engineering and Associate Professor of Computer Science and Engineering; Director, Interdisciplinary Center for Network Science, University of Notre Dame

10:30-10:45  BREAK

10:45-11:30  PANEL
Patient-Centered Care: Innovative Methods, Areas of Growth and New Application

PANEL MODERATOR:
Theresa A. Pardo, Ph.D., Director, Center for Technology in Government, University at Albany
PANELISTS:
John D. Bennett Jr., M.D., FACC, FACP, President and CEO, Capital District Physicians’ Health Plan (CDPHP)
Brian Duncan, Managing Director of Solutions, Aeon Nexus
Kevin Hamilton, Managing Director, Berkeley Research Group, Healthcare Performance Improvement Practice
Nora Yates, Director, Community, Opportunity & Reinvestment (CORe) Initiative, Office of the Governor, State of New York

11:30-12:00  KEYNOTE ADDRESS
Data and Information as Knowledge that Transforms Care
Gregory H. Dorn, M.D., President, Hearst Health
Executive Vice President, Hearst Business Media
Vice President, Hearst Corporation

12:00-12:15  BREAK

12:15-1:00  PANEL
Patient Outcomes: How Leveraging Data Impacts Results

PANEL MODERATOR:
Natalie Helbig, Ph.D., Director, Health Data NY, Office of Quality & Patient Safety, New York State Department of Health

PANELISTS:
Yvette Connor, Managing Director, Alvarez & Marsal Insurance and Risk Advisory Services
Patrick Roohan, Director, Office of Quality and Patient Safety, New York State Department of Health
Timothy H. Savage, Director, Berkeley Research Group (New York Office)
Ferdinand J. Venditti, Jr., M.D., Vice Dean for Clinical Affairs and President of the Faculty Practice Plan of Albany Medical College

1:00-1:30  CLOSING KEYNOTE ADDRESS
Big Data… Big Deal? 5 Analytic Imperatives for 21st Century Healthcare
Graham Hughes, M.D., Chief Medical Officer, SAS Center for Health Analytics and Insights

1:30-1:45  DISCUSSION AND CLOSING REMARKS
John D. Bennett, MD, FACC, FACP was named president and CEO in July 2008 after serving as chairman of the CDPHP® board since September 2003, vice chairman since 1999, and board member since 1996.

Prior to joining CDPHP, Dr. Bennett served as CEO, Prime Care Physicians, PLLC. During his tenure there, he practiced cardiology with Albany Associates in Cardiology.

He also chaired the department of medicine, served as chief of the division of cardiology at Albany Memorial Hospital, and was a member of Northeast Health Systems’ board of directors.

Dr. Bennett is board certified by the National Board of Medical Examiners and the American Board of Internal Medicine, with subspecialties in internal medicine and cardiology. He earned his medical degree at SUNY-Downstate Medical Center, Brooklyn, and a Bachelor of Science degree at Rensselaer Polytechnic Institute. Dr. Bennett completed an internship and residency in internal medicine and a fellowship in cardiovascular disease at Albany Medical Center. He is a Fellow of the American College of Cardiology and the American College of Physicians.

Dr. Bennett chairs the board of directors for the Albany-Colonie Regional Chamber and the Healthcare Information Xchange of New York (HIXNY). He is vice chair of the Alliance of Community Health Plans and serves on the boards of America’s Health Insurance Plans, Colonie Senior Service Centers, the Center for Economic Growth, New York eHealth Collaborative (NYeC), and the Palace Theatre.
Courtney Burke was appointed deputy secretary for health by New York State Governor Andrew M. Cuomo on July 1, 2013. In this role, Ms. Burke provides oversight for the state’s health and mental hygiene agencies, including the Department of Health, the Office of Alcoholism and Substance Abuse Services, the Office for the Aging, the Office of the Medicaid Inspector General, the Office of Mental Health, the Office for People with Developmental Disabilities, the Developmental Disabilities Planning Council, and the newly formed Justice Center.

Ms. Burke has a long career in health and disability policy. From March 2011 through June 2013, she served as commissioner of the New York State Office for People with Developmental Disabilities. From 2007 to 2011, she was director of The Nelson A. Rockefeller Institute of Government’s New York State Health Policy Research Center. She previously worked for six years as the senior research scientist in the Rockefeller Institute’s Health and Medicaid studies program. Prior to joining the Institute, Ms. Burke worked at the New York State Department of Health and as the senior policy analyst at the New York State Office of Advocate for Persons with Disabilities.

Ms. Burke has a master’s degree in health policy and management from the School of Public Health, University at Albany, and a bachelor’s degree in political science and journalism from the University of Connecticut.
Nitesh V. Chawla, Ph.D.

Nitesh V. Chawla, Ph.D. is the Frank Freimann Collegiate Chair of Engineering and Associate Professor of Computer Science and Engineering at University of Notre Dame. He directs the Notre Dame Interdisciplinary Center for Network Science (iCeNSA), which is at the frontier of network and data science (Big Data).

A prolific researcher and educator, Dr. Chawla has brought in over $18M of external research funding and published over 150 papers leading to over 7130 citations and h-index of 33 (per Google Scholar). His work has received and been nominated for a number of best paper awards, and has been recognized by various publications and avenues. He is the recipient of the 2015 IEEE CIS Outstanding Early Career Award. He received the IBM Watson Faculty Award in 2012, and the IBM Big Data and Analytics Faculty Award in 2013. He is the recipient of the National Academy of Engineering New Faculty Fellowship.

Dr. Chawla received the Outstanding Teacher Award in Computer Science and Engineering in 2008 and 2011. In recognition of the societal impact of his research, he was recognized with the Rodney Ganey Award and Michiana 40 Under 40 honor. He serves on the editorial boards of a number of journals and organization/program committees of various top-tier conferences. He is also the director of ND-GAIN Index, Fellow of the Reilly Center for Science, Technology, and Values, Fellow of the Institute of Asia and Asian Studies, and Fellow of the Kroc Institute for International Peace Studies at Notre Dame. Dr. Chawla is a co-founder of Aunalytics, Inc., a big data analytics start-up.
Yvette Connor has more than 20 years of experience building, quantifying and testing operational, financial, hazard and reputational risk frameworks. She is a thought leader on regulatory implications, including building and quantifying operational risk and effectively linking risk frameworks with governance platforms.

Ms. Connor focuses on identifying opportunities for value creation, including building decision-driven models informed by risk factors and organizational behavior.

Before joining Alvarez & Marsal, Ms. Connor served as the Director of Client Engagement for Marsh. Her primary focus involved leading a proprietary global servicing model to define clients’ business needs and priorities, designing optimal risk management responses, and delivering value-added solutions alongside exemplary team performance. Prior to joining Marsh in 2010, Ms. Connor was the Director of Risk Management at Vulcan Inc. There, she led the development of a multi-disciplinary risk management department that created enterprise-wide risk management platform to identify and mitigate exposure to risk, while focusing on value for key stakeholders.

She previously served as Vice President of Risk Management at Roll International, a global food producer, distributor and product manufacturer, as well as Director of Insurance and Risk Financing at Sutter Health.

Ms. Connor earned a master’s of science degree in risk management at New York University and an MBA in finance at University of California, Davis.

In 2013, Business Insurance magazine named her as one of the “Women to Watch” in Risk Management and Insurance, confirming her talents as a nationally recognized leader and innovator for risk management excellence.

In 2008, Treasury and Risk magazine named her to their “40 under 40” list.
The mission of the Hearst Health network is to help guide the most important care moments by delivering vital information into the hands of everyone who touches a person’s health journey. Each year in the U.S., care guidance from the Hearst Health network reaches 76% of discharged patients, 133 million insured individuals, 30 million home health visits, 1.88 billion retail pharmacy prescriptions and 3.26 billion prescription claims.

For more than two decades, Dr. Dorn has been focused on raising the standard of excellence for patient care across the healthcare spectrum, through clinically rigorous guidance delivered by efficient, scalable technology. He is the co-inventor of two patented healthcare software technologies that continue to be used in health systems across the U.S. His expertise is in developing and commercializing inventive and disruptive solutions that improve care quality and efficiency.

Dr. Dorn has held a variety of leadership positions across Hearst, including chief operating officer of Zynx Health and president of FDB. In 2013 he was appointed an executive vice president of Hearst Business Media, and continues to serve in that role. He is also a vice president of Hearst Corporation.

Dr. Dorn received his medical doctorate from the Columbia University College of Physicians and Surgeons and his bachelor’s degree from the Columbia University School of Engineering. He performed his clinical training at UCLA, where he also obtained his master’s degree in health services management.
Dan Drawbaugh brings more than 30 years of experience as an executive at the University of Pittsburgh Medical Center (UPMC), most recently as Senior Vice President and Chief Information Officer.

Mr. Drawbaugh is bringing his proven national reputation from UPMC as a skilled executive and thought leader in technology to Vail, Colorado where, as of December 31, 2014 he was named Chief Executive Officer of both The Steadman Clinic (TSC) and the Steadman Philippon Research Institute (SPRI). His experience at UPMC makes him uniquely qualified to lead TSC and SPRI into the future.

UPMC is the largest integrated healthcare delivery system in Pennsylvania and one of the leading non-profit medical centers in the country. Under Drawbaugh’s leadership, UPMC was regularly honored for its accomplishments in using technology to better serve its patients. In 2013, Information Week magazine ranked UPMC No. 1 for innovation out of all industries.

Mr. Drawbaugh has served on a number of boards including Oracle Advisory Board, IBM Advisory Board, IBM Health Care & Life Systems and Verizon Wireless. He earned a bachelor’s degree in biomedical and electrical engineering technology from Temple University and an MBA from Duquesne University.
Brian Duncan

MANAGING DIRECTOR OF SOLUTIONS
AEON NEXUS

Brian Duncan has spent the last 12 years earning recognition as a leading IT expert specializing in state and federal human services programs.

Having led the early development of Microsoft technologies in the NYS Office for Temporary and Disability Assistance, Mr. Duncan directed the development of five of the agency’s largest internet IT solutions. From the success of these efforts, he moved on to fill an advisory role to IT management as an expert in web application architecture, software evaluation and POC.

Mr. Duncan was presented with the New York State CIO Recognition Award for Outstanding Achievement. The award was in part for his work in the production of Office of Temporary and Disability Assistance’s (OTDA) Secure System Development Life Cycle (SSDLC), the introduction of secure software development standards through code analysis, and the rapid development and implementation of the Office for Technology’s (OFT) Secure FTP Transfer system— an effort that was estimated to have saved the state over two million dollars in its first year.

Most recently, Mr. Duncan has been called upon by New York State Office of Information Technology Services to mentor a 100 member team on the development of the State Supplemental Program (SSP), an effort with the Social Security Administration to build a state managed payment system estimated to save New York $30 million. SSP will be the first application in OITS to integrate a Microsoft based architecture using new agency SOA standards and a third party rules engine.

Currently, Mr. Duncan is Managing Director of Solutions for Aeon Nexus based in Glens Falls, NY. He is responsible for business development, project governance, and quality assurance.
Kevin Hamilton

Kevin Hamilton is a Managing Director in BRG’s Healthcare Performance Improvement Practice (HPI) where he leads the Integrated Data Management (IDM) team. This team drives the development and customization of the cutting edge BRG DRIVE data analysis platform.

Mr. Hamilton was instrumental in conceptualizing and developing the precursor to the current DRIVE platform as well as bringing that initial vision to the current state of sophistication currently deployed in BRG’s performance improvement work. This analytic engine is integral to the HPI practice’s Clinical Redesign and Traditional Performance Improvement projects. Used to interrogate and create actionable information from disparate raw transaction data; DRIVE has been transformational in BRG’s ability to quickly and precisely address the toughest impediments to creating true healthcare value.

A mechanical engineer by formal training, Mr. Hamilton has spent his career working to apply novel analytic methods to healthcare data in order to improve hospital operations while simultaneously improving the value of healthcare provided to patients.

Prior to joining Berkeley Research Group, Mr. Hamilton was a consultant for Wellspring Partners, Huron Consulting and Andersen LLP.
Graham Hughes, M.D.

Graham Hughes, M.D. is the Chief Medical Officer within SAS Institute’s Center for Health Analytics & Insights.

He is responsible for identifying and developing opportunities to create novel analytics solutions that help health and life science organizations improve care quality, clinical operations and patient outcomes.

Dr. Hughes has over 20 years’ experience developing and delivering innovative healthcare IT products and services and has a deep understanding of healthcare market dynamics, both in the US and internationally.

Immediately prior to joining SAS in June 2011, Dr. Hughes spent six years working as Vice President of Product Strategy and Chief Medical Informatics Officer at GE Healthcare IT, leading a customer facing advanced technologies innovation team as well as spearheading the annual strategic planning process for GEHCIT’s enterprise portfolio of products.
Patrick J. Roohan

Patrick J. Roohan is the Director of the Office of Quality and Patient Safety (OQPS), New York State Department of Health (DOH).

As director, Mr. Roohan is responsible for monitoring quality of care and patient safety across the entire DOH, being the lead in quality and evaluation of the Medicaid program, as well as leading the DOH’s Health Information Technology advances including the SHIN-NY (Statewide Health Information of New York), the All Payer Database and OPEN.DATA.NY.

Mr. Roohan is the former director of the Division of Quality and Evaluation, Office of Health Insurance Programs, DOH, where he was responsible for the evaluation of Medicaid and managed care program initiatives, the development of data systems for research and cost evaluation, development of risk adjustment premium models and evaluation of quality through performance measurement.

He has published extensively in the areas of health services research, quality of care and evaluation. Mr. Roohan received his Masters of Science in Operations Research and Statistics from Rensselaer Polytechnic Institute.
Timothy H. Savage

Timothy H. Savage, Ph.D. is a Director in the New York Office of Berkeley Research Group. He has nearly 15 years of experience in economics consulting focused on complex quantitative analysis.

Dr. Savage’s experience ranges from large antitrust engagements to civil and criminal engagements in the financial services sector. Most recently, he has conducted detailed analyses of the London Interbank Offered Rate. In the areas of energy and the environment, he has developed a sophisticated econometric model to forecast land use in California, as well as “rare-event” models to examine alleged violations of federal air quality standards.

Dr. Savage's published research uses complex econometric methods to examine hypotheses ranging from labor mobility to consumer demand. He has also developed survey instruments and conducted subsequent data analysis to examine consumers’ willingness to pay for improvements in air quality.

Dr. Savage is a visiting scholar and adjunct professor at New York University’s Center for Urban Science & Progress (CUSP).
Ferdinand J. Venditti, Jr., M.D.

VICE DEAN FOR CLINICAL AFFAIRS AND PRESIDENT OF THE FACULTY PRACTICE PLAN OF ALBANY MEDICAL COLLEGE

Ferdinand Venditti is the Vice Dean for Clinical Affairs and President of the Faculty Practice Plan of Albany Medical College.

A graduate of the State University of New York at Brooklyn Medical School, Dr. Venditti completed his medicine residency at the University of Medicine and Dentistry of New Jersey and his cardiology training at Boston University Medical Center. He subsequently trained in Cardiac Electrophysiology at Massachusetts General Hospital. Dr. Venditti is currently Board Certified by the American Board of Internal Medicine in the specialties of Internal Medicine, Cardiovascular Diseases, and Clinical Cardiac Electrophysiology. Dr. Venditti had been a member of the faculty of Boston University School of Medicine while on staff at Boston City Hospital. He was later a faculty member of Harvard Medical School while on staff at Lahey Clinic in Burlington MA.

Dr. Venditti was Chief of Cardiovascular Medicine at Lahey Clinic before moving to Albany Medical College where he became the Richard T. Beebe Professor and Chair of the Department of Medicine in 1999. Dr. Venditti was appointed Vice Chair of the Operating Committee of the Faculty Practice Plan in 2003 and Chair of that committee in 2005. After serving more than ten years as Chair of Medicine, Dr. Venditti was appointed Vice Dean of Clinical Affairs of the College in 2008. In this role Dr. Venditti is responsible for the management of all aspects of the Albany Med Faculty Physician group of the College. The Faculty Practice Plan has over 400 full time physicians practicing in more than 30 sites throughout the Capital Region.

Dr. Venditti has served as a consultant for many industry and governmental agencies including InterQual, St. Jude Medical Systems, Hewlett Packard, the Massachusetts Department of Public Health Cardiac Transplant Committee, and the Health Effects Institute of Cambridge. He serves as a member of the New York State Department of Health Cardiac Advisory Committee and is Chair of the Data Use, Research and Publication Policy Subcommittee. Dr. Venditti is the author of numerous publications in medical literature and remains active in the practice of cardiology.
Nora Yates is the Director of Governor Cuomo's Community, Opportunity, Reinvestment (CORe) Initiative. In this role, she works to align state and local agencies in a common framework to address key issues in distressed communities.

Ms. Yates coordinates a dozen state agencies to create and maintain COReSTAT, a data visualization tool that directs attention to the people and places that are most in need. COReSTAT uses state and local datasets to display key indicators of distress which fuel analysis and actions at the state and local levels. The goal of CORe is to partner with stakeholders and residents to increase neighborhood-level capacity and take action to address systemic barriers that inhibit community development. She joined the Cuomo administration as part of the inaugural class of Empire Fellows – one of nine individuals selected to serve in policy-level positions throughout the Governor's Office and state agencies. In the Fellowship, she coordinated state agencies’ involvement with the NY Performs platform, the state's first multi-agency performance management system.

Prior to joining state service, Ms. Yates served as the Executive Director of the Pride Center of the Capital Region where she expanded and revitalized the 42-year-old non-profit organization serving the Capital Region’s LGBT communities. She previously worked at the Empire State Pride Agenda as the Field Director for the NYS Marriage Equality effort. She also taught courses as an adjunct professor at the University at Albany, State University of New York for six years and served as a project manager at Kaleel Jamison Consulting Group. Ms. Yates earned a Bachelor of Arts ('99) and a Master of Arts ('00) in Women’s Studies at the University at Albany, State University of New York, as well as a Master of Public Administration from the Sage Graduate School.
Natalie Helbig, Ph.D.

Natalie Helbig, Ph.D. is currently Director of Health Data NY for the New York State Department of Health in the Office of Quality and Patient Safety.

As Director, Dr. Helbig oversees the Health Data NY open data platform, Health Profiles, and other initiatives focused on the use of data by a range of stakeholders.

Prior to coming to the New York State Health Department, Dr. Helbig was the Assistant Research Director at the Center for Technology in Government, an affiliate faculty member in the College of Computing and Information’s Department of Informatics, and taught courses at the Nelson A. Rockefeller College of Public Affairs and Policy’s Department of Public Administration.

Dr. Helbig earned her doctorate in public administration and policy at the University at Albany’s Rockefeller College of Public Affairs and Policy.
Theresa A. Pardo, Ph.D.

DIRECTOR
CENTER FOR TECHNOLOGY IN GOVERNMENT
UNIVERSITY AT ALBANY

Theresa A. Pardo, Ph.D. is Director of the Center for Technology in Government (CTG) at the University at Albany, State University of New York, holding research professor appointments in Public Administration and Policy and in Informatics.

Under Dr. Pardo’s leadership the Center partners with governments around the world on research and innovative problem solving projects focused on the intersections of policy, management, and technology. Dr. Pardo is a member of the U.S. Environmental Protection Agency’s National Advisory Committee and serves as Open NY Adviser to New York State’s Governor Cuomo. Dr. Pardo is founder of the Smart Cities, Smart Government Research-Practice Consortium and is President of the Digital Government Society, a global multi-disciplinary organization of scholars and practitioners interested in the development and impacts of digital government. She also serves as Advisor to the E-Government Committee for the China Information Association; and Expert Advisor to the OpenData 500 Project.

Additionally, Dr. Pardo’s membership on editorial and advisory boards includes Government Information Quarterly; Information Polity; New York State’s Transparency, Evaluation and Health Information Technology Workgroup; U.S. Government Accountability Office Executive Council on Information, Management, and Technology; the Data Center for Applied Research in Social Sciences at Centro de Investigacion y Docencia Economicas (CIDE), Mexico; and is a Senior Adviser to the State Information Center, China. Dr. Pardo has published over 130 articles, research reports, practice guides, book chapters and case studies and is ranked among the top five scholars in her field in terms of productivity and citations to her published work.

She has received numerous awards including best journal and conference paper awards for her published work, the University at Albany’s Excellence in Teaching Award and the Rockefeller College Distinguished Service Award. Dr. Pardo is also co-developer of the top ranked program in Government Information Strategy and Management offered by the Public Administration and Policy Department of Rockefeller College, University at Albany.
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Theresa A. Pardo, Ph.D., Director, Center for Technology in Government, University at Albany
Philip Nasca, Ph.D., Dean, School of Public Health, University at Albany

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