

Dear Members of Search Committee,

Hello. I am an Executive Vice President for Education, Research and Medical Affairs, Dean of University Medical School & affiliated Hospitals, and University Distinguished Professor of Medicine and Physiology at University of Windsor School of Medicine- St. Kitts and Chicago Area, IL (WUSM collaboration with large affiliated Hospital Systems; \$US 2.5 billion Health Care Delivery, Education, Research, and Medical School collaboration in West Indies and US) and Founding Senior Vice President of Research and Economic Development at Emerge (an education and research university partnership currently valued at \$US 1.2 Billion). WUSM is comprised of schools and centers/institutes, and includes academic, patient care, and research facilities. The integration of these entities, educational, research, health-related missions, is designed to create a single large organization that will lead to new models for education, research, clinical care and community service, educate the next generation of health care providers utilizing health care team approaches, and conduct meaningful research.

I was formerly an Executive Director of Translational Medicine Research & Scholarship, Founding Head of University Wide Research and Education Programs, and Professor of Medicine and Physiology at the University of South Carolina School of Medicine- Greenville (USCSOMG education and research collaboration with Greenville Health System; \$US1.8 billion Health Care Delivery and University Medical School). Previously, I was Founding *Global Executive Head* of Discovery and Translational Medicine Research for Abbott Laboratories (a \$40 billion global diversified healthcare Company) as well as Founding Director of Digestive Diseases Research and Education, Founding Director of the Center for Basic, Clinical and Translational Medicine, and Founding Director of the Graduate Program in Digestive Physiology and Pharmacology at Rush University of Chicago, in IL.

I received my undergraduate training in Biology and Philosophy at Mount Saint Mary's College (Emmitsburgh, MD). Following this I completed my graduate doctoral education at University of Tennessee Health Sciences Center and Graduate School (Memphis, TN). After this, I did my post-doctoral fellowship in physiology, pharmacology, immunology, gastrointestinal pathophysiology and mucosal biology at the Surgical Research Institute (SRI) of St. Louis University Medical Center (St Louis, MO). As an accomplished researcher, teacher and administrator in higher education, Dr. Banan came to Windsor University after serving 4 years as Executive Director of Research Scholarship and Education and SVP for Emerge at the University of South Carolina Greenville, with previous stints as Chief Science and Education Officer and Senior Vice President Research & Economic Development, Global Head of Research and Education and Founding Head at Emerge, Abbott and Rush University at Chicago. The Global Centers of Excellence (COE) that he created at Abbott and Partner Universities includes over 1000 faculty, research, education, and support staff, and trainees. At the time Dr. Banan stepped down, COE research received nearly \$500 million/year in research and education support. Its total budget was approximately \$7.8 Billion.

I have well over 20 years of extensive experiences at executive and administrative levels in the industry and academia. I have a proven track-record of successfully leading global and national research and education strategies. Dr. Banan has served on over 50 professional committees and over 100 national and international organizations, volunteer boards, government/public health councils, industry, and academia. He has been principal investigator for more than 100 grants, including over \$200 million in direct costs alone. He has secured well over \$350 million of research and education funding, including from private industry, NIH, CDC, HHS, DARPA, and venture capital. He is also the author of 300+ peer-reviewed publications, book chapters and abstract presentations as well as inventor of several worldwide patents. Dr. Banan has been invited to give more than 250 talks outside his local area, including presentations as the keynote speaker for numerous international meetings. He has been a consultant to NIH, FDA, CDC, foreign governments, most major pharmaceutical manufacturers, and many law firms.

Over the course of my Career, I have had leadership responsibility for all aspects of academic and research affairs at different Universities, to include: Colleges and Campuses; University Library; Graduate School; Undergraduate Studies; Institutional Research and Sponsored Programs; Academic budgets; Strategic Planning for Academic and Research Affairs; Board Reporting and Liaison; Board of Trustees reporting and staffing of Academic Affairs Committee; Innovation and Entrepreneurial Initiatives; Strategic Hiring Initiatives, in partnership with the Office of Research; Performance and Performance Metrics; Enrollment Management, Admissions & Records, Financial Aid; Accreditation; Institutes and Centers; Institutional Technology; Academic Legislative and Government Liaison; Quality Enhancement Reviews; Quality Enhancement Program; International Programs; Distance learning; and varied other responsibilities. Constitutionally, second in leadership responsibility for University after President in current role. Furthermore, my leadership responsibilities also include all aspects of faculty work-life at the University, including: Promotion and Tenure; Faculty Evaluation; Faculty Senate; Faculty Assignments; Implementation of Collective Bargaining Agreement for Faculty; Faculty Development, including new faculty orientation; Faculty Awards and Recognition; Professional education; Orientation; Faculty dispute resolutions; Accrediting Agency reporting on faculty credentials, competence, governance, academic freedom; Member of the University Executive Cabinet; Oversight of new research program development and approval; Oversight of new curricular program development and approval, and related communication with Board of Trustees and accreditation agencies. Oversight of student academic grievance hearings; and other responsibilities.

As EVP and Dean at WUSM, I lead education, research, medical, undergraduate and graduate affairs at one of the largest US style University Medical Schools in the Caribbean basin with administrative and clinical offices in Chicago area, IL. It ranks among the top 5 US style international Universities in this area. As the second-highest ranking officer of the university, I provide academic leadership for the university's colleges, campuses, research institutes, while overseeing academic support services and student services, and responsibility for curriculum, academic planning, faculty appointments, faculty development and promotion, and tenure decisions among many other responsibilities.

As Executive Dean of University Medical School and Affiliated Hospitals, I am further responsible for overall strategy of our large programs involving large number of clinical and basic sciences faculty. I am further responsible for overall strategy of our large educational affairs and research programs involving both under graduate and graduate faculty as well as responsibility for ensuring the advancement of quality, assessment, accreditation, and other research enterprise programs. I thus lead the administrative, research, accreditation, and academic research and scholarship programs of our university. This has also involved greatly enhancing the biomedical sciences, research affairs, other operations, hiring many new top caliber faculty from US and Europe, substantially improving various departments, including biomedical and under graduate and graduate research and education departments, creating new national and global collaborations as well as adding new infrastructure.

I also lead the efforts for development of a novel integrated curriculum, in particular the University wide educational program development and of Educational Affairs. These efforts in curriculum development also led to Dr. Banan enhancing and forging new educational partnerships.

I further lead the efforts to reorganize and create an innovative, new model of an academic institution for Windsor. As noted, WUSM is comprised of schools (graduate, undergraduate, dual degree) and centers/institutes, and includes academic, patient care partnerships, and research facilities. The integration of these entities, educational, research, graduate, undergraduate, health-related missions, is designed to create a single large, innovative organization that will lead to a novel educational model for education, research, clinical care and community service, educate the next generation of health care providers utilizing health care team approaches, and conduct meaningful research.

As Executive Director North American Biomedical (NBRI) Research Institute in Translational Medicine at WUSM, I lead one of the largest research and development institutions of its kind with large national and global collaborations, including three international centers of research excellence (COE) in basic, clinical and translational medicine funded by large industry (Biotech), Private, and Venture Capital. I have recently secured large venture capital and private funding of approximately \$1.10 billion dollars to expand this global research and education collaboration over the next 4 years (\$250 million per annum). I have tapped into private equity and private investors for further expansion of our global educational programs as well as importantly educational, research and scholarship enterprises (e.g., IP-related clinical items where creative, large equity investment has been made possible).

Prior as Professor and Founding Executive Director of Research & Scholarship at University of South Carolina School of Medicine- Greenville (USCSOMG), I directed launch and ongoing LCME accreditation of research and educational programs of our university at USCSOMG. In addition to my previous roles as Founding Head of the Department of Digestive Diseases Research & Education at RUSH Chicago Medical School in Illinois, and Founding Head of University Wide Research and Education Activities of the USCSOMG South Carolina, I have been central in establishing the novel integrated basic science, translational research, and clinical sciences research and education programs on the national stage. I have also been central in establishing an innovative approach to research and education at USCSOMG using translational medicine research, cell and molecular medicine, comparative research, and implementation sciences known as the health integration research and education at the USCSOMG.

I led the research and education related organization, infrastructure and support, including research discovery and translational medicine programs, founded institute for advancement of healthcare (IAHC), founded other national research programs (founded institute for translational oncology and immunology research, "iTOR", bioengineering research institute, "CUBEInc."), sponsored programs office, research development corporation (RDC, academia-industry partnerships), human subject protection office, and clinical trials office. Furthermore, I originated and authored a new University Wide Research and Education Vision or Road Map (5 to 10 year plan) and attendant key Strategic Initiatives for successful, rapid expansion of University Wide Research and Education programs. In particular, I substantially expanded the innovation, caliber, and national prominence of our university wide research and education programs, including successfully securing large institutional and new funding sources of approximately \$150 Million over 3 years (both NIH and private industry among others) for rapid expansion of research and scholarship programs. These various programs also excelled under my leadership.

I also led the efforts for development of a novel integrated curriculum for one of the first new medical schools in the country in 40 years. USCSOM recently received full accreditation by the LCME. Dr. Banan accepted the position of executive administrator for Research and Academic and Curriculum Development for the Greenville Health System and was appointed Executive Director for Research and Education for the USC School of Medicine Greenville where he also led the educational program development and the Office of Educational Affairs. His efforts in teaching and curriculum development also led to Dr. Banan serving as Executive Director of the Educational programs, Chair of Curriculum Reorganization Committee, and Head of Curriculum Development (undergraduate, graduate).

Prior, as *Founding Global Senior Director, Global Head of Discovery and Translational Medicine Research, Education, and Development* at Abbott Laboratories and then Baxter Healthcare (Fortune 100 global healthcare companies), I successfully led the company's Global discovery and translational medicine research and educational efforts in several crucial areas of unmet clinical needs, such as Immunology and inflammation among several others-- with direct line responsibility for a \$7.8 billion dollar business unit R&D. At Abbott I led global R&D efforts which created and managed successful new global, cross-divisional research teams that

resulted in novel therapeutics worth well over \$1.0 billion. At Baxter, I led the therapeutics R&D division from a virtual start-up stage of exploration & discovery to its growing position as a leader in the discovery and clinical development of novel therapeutics, including new drugs and lipid based protective (anti-inflammatory) technologies. This included 7 innovations for the R & D pipeline worth an estimated \$0.80 billion.

In these capacities, I was directly involved in research and education, including for several immune/autoimmune and inflammatory disorders through creation of effective collaboration with internal and external networks (academia; NIH Centers of Excellence). I created new successful external networks and collaborations with academia, NIH Centers of Excellence, Key Opinion Leaders; in particular setting up 7 new global Clinical and Translational Sciences Consortia for Abbott in US, Asia, Japan, and Europe, utilizing approximately \$420 million to fund these innovative research centers of excellence. Being a globally recognized expert in a clinical and translational research area, in particular immune/autoimmune and inflammatory disorders of the Gastrointestinal Tract (as evidenced by my NIH funded grants, including translational medicine program project grants) as well as being a seasoned academic and industry executive tremendously enhanced my success. Under my leadership, this led to several novel concepts for the R & D pipeline, several focused on immunology and inflammation and gastroenterology areas. In particular at Abbott, I originated & created a new Vision or Road Map and a 15 year LRP (Long Range Plan) and Strategic Research Initiatives for Global Research to further substantially expand the innovation pipeline of novel research discovery and clinical work for both diagnostics and therapeutics. Projected worth of this new innovation pipeline for R&D is near \$2.5 to 3.0 billion during this current decade. As noted, the Global Centers of Excellence (COE) that I created at Abbott and Partner Universities includes over 1000 faculty, research, education, and support staff, and trainees. At the time I stepped down, COE research received nearly \$500 million/year in research support. Its total budget was approximately \$7.8 Billion.

As you may be already aware of, over the previous decade as the Professor and Founding Director of Digestive Diseases Research and Education, Founding Director of the Center for Basic, Clinical and Translational medicine, and Founding Director of the Graduate Program in Digestive Physiology and Pharmacology at Rush University of Chicago, I was central to developing the GI basic, clinical and translational Inflammation Research and Education programs. I am an internationally renowned scientist and seasoned executive who has thus created and managed successful programs in both academia and industry. I am a scientific authority on immune and inflammatory disorders, in particular Inflammatory Bowel Diseases and Liver Diseases (including inflammation-initiated cancers), and free radical injury and its prevention. As noted, after education at University of Tennessee, I was trained in physiology, immunology, gastrointestinal patho-physiology and mucosal biology (St Louis University). At age 33, I became the founding Research Executive Director of the Division of Digestive Diseases at Rush University Medical Center (Chicago, IL). In this position, I built the fastest growing Digestive Diseases research and education program in the United States (US News & World Report ranking of organization: 26th in the Nation in 2006 vs. unranked in 1999) and created a renowned Digestive Diseases research educational program focused on Inflammatory Bowel Diseases and Liver Diseases, one of the largest and most successful digestive diseases research programs in North America. During this time, I was also a successful recipient of multiple large grant awards from the US agency NIH, totaling over several million dollars, in the cutting edge areas of research and scholarship. I have authored many high impact scientific publications, including peer reviewed published original articles, book chapters, peer-reviewed published abstracts, and other relevant scientific articles and presentations.

Although Dr. Banan's interests span many areas of Basic, Clinical and Translational Medicine, his major research interest is in the field of Digestive Diseases and Physiology, i.e., the application of Translational Medicine, Physiology, and Pharmacology methods to the study of digestive diseases and its therapeutic application and use. He is recognized as a founder of this

field and for his pioneer work in using Basic, Clinical and Translational Medicine for “GI” research. He is editor of the field's major text and Editor-in-Chief for Gastroenterology and Physiology, WebMed Central PLUS and Integrative Molecular Medicine (IMM). As one of many specific contributions, his research was pivotal in prompting the application of translational medicine to biomarker discoveries and its clinical application using precision medicine, and recommended use of companion devices (diagnostics) for widespread practice use per se. He has served as a key advisor to governments of Luxembourg and of UAE for successful implementation of effective national strategies for personalized health from inception to implementation. Because of his global contributions to basic, clinical and translational medicine research, and precision medicine, he was honored as the key note speaker at the inaugural 2013 European Society for translational Medicine (EUSTM) in Luxembourg. He was further honored by being elected as the *Chairman of Scientific Committee* for EUSTM & Global NetWork on Translational Medicine Research and Scholarship.

As an internationally recognized authority on free radical and oxidant mediated tissue injury, in particular immune and inflammatory disorders, Dr. Banan invented and developed the first nitration modulators (NO-X) and the first carbonylation agonist (C=O-X) to enter trials as well as the attendant novel genomic based biomarkers. He has been funded by private, government, and venture capital continuously since 1995, authoring many federal and private grants and receiving \$350 million in grant funding. As an academician and entrepreneur, Dr. Banan also co-founded and built Emerge, raised \$150M in venture capital, and concluded a \$700M license with DARU based upon a nitration inhibitor as well as molecular genomic precision biomarker tool that he invented. In his capacity as SVP of Research and Development at Emerge, he brought numerous novel research ideas from conception and research discovery into actual testing, including a treatment for Inflammatory Bowel Diseases, Liver Diseases, among three other autoimmune disorders as well as cancers such as “CRC”.

It is further noteworthy that during my academic tenure, I have been both a Founding Head and a Tenured Professor, for example at Rush University, University of South Carolina, and Windsor University and the principal investigator (PI) on several funded National Institute of Health (NIH) grants (on inflammation, immunology, patho-physiology and Protection against inflammation). I am also the Co-Principal Investigator (Co-PI) on other NIH grants (on inflammation diseases patho-physiology) as well as on NIH program project grants involving new pathways relevant to inflammation, immune dysregulation as well as cancers. Over the decades as Professor and Founding Head in academia, I have been greatly responsible for the establishment of world class Research and Education Programs. I have been highly successful in promoting, directing, and administering many research and education activities at the university level. This also included successfully promoting our research activities to many external funding agencies (e.g., NIH, industry, etc), and representing the research interests at many national and international meetings. I have thus been directly involved in conducting high quality externally funded research as well as building research and education teams, developing younger investigators, developing many faculty, and managing many people and large budgets. Indeed, I provided innovative leadership in all research and educational endeavors and been highly responsible for the development of successful national research and education programs at three different universities.

I will thus bring extensive experiences formulating successful execution of national & global strategies for research and education enterprise expansion and proven management skills to this key leadership role at your institution. In particular, I bring a highly effective, innovative, collaborative style of leadership gained through long standing service in both academia and industry. In addition, I have an accomplished track record as a research scientist and educator, a highly successful program and institution builder, a super strong record of diverse sources of large extramural funding and scholarly activity, and demonstrated success and creativity in fostering research and education cultures that promote inter-professional (and cross-functional) collaborations, combined with outstanding interpersonal diplomacy.

In summary, I have created and managed highly successful research and education programs in academia and industry by setting new directions, visions, and strategies. This has resulted in several successes and innovations. As documented by my high-degree of productivity both in academia and industry (**see Resume summary attached. Or see Full CV for a complete list of all information**), I have a unique vision for administering and performing world class programs. I would like to explore the possibility of a potential move because I believe that my “hybrid” academic and industry experiences can lead to great success and meaningful impact. I greatly appreciate your time and looking forward to your response to this e-mail.

Best Wishes,
Ali Cyrus

Ali Cyrus Banan, Ph.D.

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Dean, University Medical School and Affiliated Hospitals
Executive Director of Translational Medicine Research and Scholarship

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