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**Personal Details** Born: April 30, 1960; Lucknow, India  
UK and US citizen

## APPOINTMENTS

1999– **Icahn School of Medicine at Mount Sinai, New York**  
*Mount Sinai Professor of Clinical Medicine (2022–)*  
Professor of Medicine, of Pharmacological Sciences, and of Geriatrics (1999–)  
Director, Center for Translational Medicine and Pharmacology (2021–)  
Founding Director, Mount Sinai Bone Program (1999–)  
Chief, Division of Endocrinology, VA Medical Center (1999–2004)  
Director, Geriatrics Research Education and Clinical Center (2001–2003)  
Attending Physician, Mount Sinai Hospital

1997–1999 **Medical College of Pennsylvania, Philadelphia**  
Professor of Medicine and Attending Physician  
Associate Dean for Academic Affairs  
Associate Chief of Staff and Chief, Geriatrics and Extended Care  
Philadelphia VA Medical Center (1996–1998)  
Director, Center for Osteoporosis and Skeletal Aging

1996–1997 **University of Pennsylvania, Philadelphia**  
Associate Professor of Medicine  
Attending Physician, Hospital of the University of Pennsylvania  
Staff Physician, Philadelphia VA Medical Center

1995–1996 **University of Arkansas for Medical Sciences, Little Rock**  
Professor of Medicine and Attending Physician  
Staff Physician, Little Rock VA Medical Center

1990–1995 **St. George's Hospital Medical School, London**  
Senior Lecturer and Honorary Consultant

1984–1989 **Royal Postgraduate Medical School and Hammersmith Hospital, London**  
Lecturer (1987–1989, made permanent in 1988)  
Registrar, then Senior Registrar, Wellcome Endocrine Unit (1987–1989)  
Lady Tata Memorial Fellow, Wellcome Endocrine Unit, Mentor: Professor Iain MacIntyre, FRS (1984–1986)

## FACULTY AND CENTER AFFILIATIONS

2012–present Member, Tisch Cancer Institute, Mount Sinai School of Medicine  
1999–2013 Adjunct Professor of Biochemistry, University of Pennsylvania  
1991–2011 Visiting Scholar, Physiological Laboratory, University of Cambridge  
1996–1997 Fellow, Institute on Aging, University of Pennsylvania  
1995–1996 Member, Arkansas Cancer Research Center, Little Rock  
1994–1998 Adjunct Professor, New York University Dental School

## QUALIFICATIONS

1983 MBBS, King George's Medical College, India

1987	PhD (Biochemistry and Molecular Biology), University of London
1991	MD, University of London (by thesis)
1993	MRCPI, Royal College of Physicians of Ireland
1994	FRCPI, Royal College of Physicians of Ireland
1997	FRCP, Royal College of Physicians, London
1998	FRCPath, Royal College of Pathologists, London
2012	MBA, Isenberg School of Management, University of Massachusetts

## RECOGNITIONS AND AWARDS

2024	Elected to <i>Academia Europaea</i> as a Foreign Member
2023	Doctor of Science (ScD) <i>Honoris Causa</i> , University of Connecticut
2023	2023 AAIM Special Recognition Award, Alliance of Academic Internal Medicine
2022	Award of Honorary Fellowship, British Pharmacological Society (of 150 Honorary Fellows)
2022	Elected as Fellow of the National Academy of Inventors
2022	Doctor of Science <i>Honoris Causa</i> , King Georges Medical College, India
2022	Mount Sinai Professorship in Clinical Medicine (endowed by Mount Sinai Boards of Trustees)
2022	Austrian International Research Prize (awarded every 3 years in the bone field)
2020	Appointed Deputy Editor for Medicine, <i>eLife</i>
2020	Included in "Mount Sinai Alumni Profiles" (one of 3 non-Mount Sinai graduates)
2019	Elected as Fellow of the American Association for the Advancement of Science
2019	The J. Lester Gabilove Award, Mount Sinai School of Medicine
2019	Fellowship of American Society for Bone and Mineral Research (Class of 2019)
2018	Harrison Society Visiting Professor, Vanderbilt University School of Medicine
2018	Honorary Member, Tinsley Harrison Society, Vanderbilt University School of Medicine
2018	Elected as Foreign Fellow of the National Academy of Sciences of India
2018	David Sirota Endocrinologist-of-the-Year, Mount Sinai
2017	Harrington Scholar-Innovator Award, Harrington Discovery Institute
2017	Paper in <i>Nature</i> selected as one of eight "Notable Advances 2017" by <i>Nature Medicine</i>
2017	Mastership of the American College of Physicians (MACP)
2017	Doctorate of Science <i>Honoris Causa</i> , Amity University, India
2016	Faculty Council Award for Academic Excellence, Mount Sinai
2016–2018	President, Interurban Clinical Club (Founder: Sir William Osler, 1905)
2016	The Practitioners Society (by invitation, oldest medical society in the U.S.)
2014	Association of Professors of Medicine (by nomination)
2014	Honorary Member, International Chinese Musculoskeletal Research Society
2013	Doctor of Science <i>Honoris Causa</i> , Sanjay Gandhi Postgraduate Institute of Medical Sciences, India
2013–2016	Elected Secretary–Treasurer of the Interurban Clinical Club
2011–2016	Honorary Professor, Wuhan University Medical School (2011–2016), and Guest Professor, Wuhan University (2011–2014), China
2010	<i>Laurea Honoris Causa Medicina</i> (Honorary MD), University of Bari, Italy
2005	Elected to Association of Osteobiology (Honor Society)
2004	Elected to Interurban Clinical Club [Council Member, 2010–2013]
2004	Elected to Association of American Physicians
2004	Research Excellence Award, Veterans Affairs Medical Center
2000	Elected to American Society for Clinical Investigation (Senior Member)
1998	Fellow, American College of Endocrinology
1998	Fellow (Member, 1990), Royal College of Pathologists, London
1997	Fellow, Royal College of Physicians, London
1996	Elected Fellow, Institute of Biologists (now Royal Society of Biology, FRSB)

1995	Fellow, American College of Physicians (direct election)
1994	Fellow, Royal College of Physicians of Ireland
1988	Nuffield Award for Science Lecturers, London
1985	Lady Tata Memorial Fellow, London
1984	Sir Edmund Davis Scholar, University of London
1984	ORS Award, Committee of Vice Chancellors of the UK
1983	Stott Gold Medal in Pathology, Certificates of Honor in Medicine and Pathology, King George's Medical College, India
1973	Vivian Jacob Medal (Valedictorian), La Martiniere College, India

## KEYNOTE AND NAMED LECTURESHIPS

2025	Keynote Speaker, INSPIRE, Academy of Medical Sciences, hosted at the University of Nottingham, England
2024	Special Neuroendocrinology Lecture—Oxford Talks, University of Oxford
2024	Opening Lecture, 42 <sup>nd</sup> Annual Meeting of the Japanese Society for Bone and Mineral Research, Okinawa, Japan
2023	Commencement Speaker, University of Connecticut Graduate School Commencement Ceremony (May, 2023)
2023	Keynote Lecture, 2023 International Chinese Musculoskeletal Conference
2023	International Guest Speaker, 20 <sup>th</sup> Avison Biomedical Symposium, Yonsei University School of Medicine, Seoul Korea
2023	C Warren Olanow Lecture, Friedman Brain Institute, Mount Sinai
2022	International Prize Lecture, Austrian Bone and Mineral Society, St Wolfgang
2021	“Lightning Talk”, Open Access Publishing, Charité—Universitätsmedizin Berlin
2019	Keynote Speaker, Qatar University Health Research Day
2018	The Rivens Lecture, Department of Medicine, Vanderbilt University School of Medicine
2018	The 4 <sup>th</sup> Immunology Seminar, University of Tokyo
2018	Visiting Professor Lecture at Endocrine Grand Rounds, Massachusetts General Hospital, Harvard Medical School
2018	Distinguished Visiting Professor, Department of Medicine, Case Western Reserve University and University Hospital
2018	Frontiers in Molecular Medicine Lecture for MD-PhD Class, Yale School of Medicine
2018	Distinguished Visiting Professor, University of Virginia School of Medicine
2016	Golden Jubilee Distinguished Lecture, National Science Day Celebrations, Lucknow, India
2014	Distinguished Visiting Professor in Biochemistry, Rush University
2013	The ESICON Oration, 43 <sup>rd</sup> Annual Meeting of the Endocrine Society of India
2013	Larry Raisz Memorial Keynote Lecture, New England Bone Club
2012	40 <sup>th</sup> Annual James Platt White Memorial Lecture, and Honorary Membership, Gynecologic and Obstetric Society, Buffalo
2011	Honorary Professorial Lecture, Wuhan University Medical School, China
2010	<i>Lectio Magistralis</i> , University of Bari, Italy
2010	General Session Speaker, American Association of Clinical Endocrinologists Annual National Conference
2010	Leo Sreebny Distinguished Lecture and Student's Research Day Keynote Speaker, State University of New York, Stony Brook
2009	Marookian Lecture, University of Pennsylvania School of Veterinary Medicine
2009	Rudin-Kase Dean's Molecules-to-Man Lectures, Mount Sinai
2009	Steve Goodman Memorial Lecture, Yale School of Medicine
2008	8 <sup>th</sup> Annual Professor S.H. Zaidi Memorial Oration, Indian Toxicology Research Center, India
2007	Rudin-Kase Dean's Lectures, Mount Sinai

2007	Kramer Visiting Professor, Dartmouth Medical School
2006	Highlight Speaker, National Institute on Aging (NIA) Council
2006	Guest Speaker, 24 <sup>th</sup> Japanese Society for Bone and Mineral Research Meeting
2002	Dorothy Dillon Eweson Lectures, American Federation for Aging Research at the Cambridge Philosophical Society, England
2000	Foster Lectures, The Physiological Laboratory, Cambridge
1994	Keynote Lecture, Dutch Bone and Mineral Society Meeting

## NATIONAL COMMITTEES AND POSITIONS

1997–	<p><b>NIH and VA Review Committees</b></p> <p>Chair, Study Section for Grants for Early Medical or Surgical Specialists' Transition to Aging Research (GEMSSTAR), NIH/NIA (2023–)</p> <p>Member, Clinical Aging Study Section (NIA–C), NIH/NIA (2014–2017)</p> <p>Member, NIH/NIA GEMSSTAR (Transition to Aging) (2012–2014)</p> <p>Chair (prior Member), Department of Veterans Affairs (VA) Merit Review Committee, Endocrinology B (2011–2016)</p> <p>Member, College of CSR Reviewers, National Institutes of Health (2010–2012)</p> <p>Chair, VA Review Committee, Endocrinology B (2003–2006)</p> <p>Chair (prior Member), NIH Orthopedics and Musculoskeletal Study Section (now SBSR) (1998–2003)</p> <p>Chair (prior Member), VA Merit Review Committee, Endocrine (1997–2001)</p>
2000–	<p><b>NIH Special Review and Advisory Panels</b></p> <p>NIH/NIA P01: Systems Biology of Metabolic Signaling in Aging (2024)</p> <p>NIH/NIA GEMSTAR Review Panel (2022)</p> <p>NIH/NIEHS Outstanding New Environmental Scientist (ONES) Award (2022)</p> <p>Chair, NIH/NIA P01: Kynurenine, Muscle and Bone Function with Aging (2022)</p> <p>NIH/NCATS R03: Small Grant Program for the CTSA Program (2021)</p> <p>NIH/NINDS P01: Special Emphasis Panel (2021)</p> <p>Chair, NIH/NIA P01: Kynurenine, Muscle and Bone Function with Aging (2021)</p> <p>Chair, NIH/NIDDK X01: Repositories Sample Access Review Group (2020)</p> <p>NIH Member Conflict Panel: EMNR Integrated Review Group (2020)</p> <p>NIH/NIND P01: Review Group (2020)</p> <p>Chair, NIH/NIA P01: Bone as a Stress Responder Review Panel (2019, 2020)</p> <p>Chair, NIH/NIDDK Special Emphasis Panel: Skeletal Effects of Diabetes (2019)</p> <p>Chair, NIH/NIA Special Emphasis R01 and R21 Review Group (2019)</p> <p>Chair, NIH/NIA P01: Wnt Signaling in Aging Program Review Panel (2018)</p> <p>NIH/NIA Second Tier P01 Review Committee (2016, 2018)</p> <p>NIH/NIDDK DiaComp Pilot and Feasibility Program (2018)</p> <p>Chair, NIH/NIAMS P30: Musculoskeletal Resource Center (2015) (declined)</p> <p>Chair, NIH/NIA P01: Nutrient Signaling and Bone Review Panel (2015)</p> <p>Chair, NIH/NIA P01: Trans-omics in Osteoporosis Review Panel (2015)</p> <p>NIA-B Special Emphasis Panel (2014)</p> <p>NIH/NIA Older American Independence (Pepper) Center Review Group (2014)</p> <p>NIH/NIA Juvenile Protective Factors Special Review Group (2014)</p> <p>Chair, NIH/NIA P01: Aging Pituitary Program Review Panel (2014, 2016)</p> <p>Chair, NIH/NIA P01: Bone and Brain Program Review Panel (2014, 2015)</p> <p>Chair, NIH Special Emphasis Panel on Bone, Cartilage and Tendon (2014)</p> <p>Chair, NIH/NIA SWAN Cooperative Agreement (2013 and 2014)</p> <p>NIH/NIA Clinical Aging Study Section (<i>adhoc</i>, 2013 and 2014)</p> <p>NIH/NIA Aging Systems and Geriatrics Study Section (2014)</p> <p>NIH/NIA LIFE Outcomes Study (LIFE-OS) Review Group (2014)</p> <p>Chair, NIH Special Emphasis Panels for R01 and R21 (multiple, 2013)</p> <p>Chair, NIH Bone–Orthopedics Member Conflict Panel (2011)</p>

- Chair, NIH Member Conflict Panel, Mechanisms and Osteoporosis (2011)  
 Chair, NIH Geriatrics and Rehabilitation Study Section (2000)  
 Chair, NIA P01 Study Sections for applications (seven times, 2009–2012)  
 NIH/NIAMS P30 Musculoskeletal Center Study Section (2011, 2013)  
 NIH/NIA GEMSSTAR (Transition to Aging) (2010)  
 NIH Director's Early Independence Award Review Group (2011, 2012)  
 NIH Transformation in Clinical Sciences (DTCS) Review Group (2011)  
 NIH Loan Repayment Program Review Group (2015)  
 NIH P50: Specialized Centers of Research on Sex Differences Group (2012)  
 NIH/NIEHS P01 Study Section  
 NIH/NIEHS Superfund Study Section  
 NIH Oral Medicine and Biology Study Section-2  
 NIH Clinical Sciences Special Emphasis Panel  
 NIH Skeletal Biology, Structure, Regeneration Study Section (various)  
 NIH/NIAMS P01 Review Study Section  
 Steering Committee for Peer Review  
 Chair, Musculoskeletal Section, NIH/NIA Advisory Workshop  
 Moderator, Advisory Group to NIA Director–Extracellular Matrix in Aging  
 Moderator, Consensus Panel–NIAMS/American Academy of Orthopedics
- 2015– **Association of Professors of Medicine (APM)**  
 Program Planning Committee (2015–2020, two terms)  
 Lead, Vice Chairs for Research Planning Group (2016–2020)
- 2016– **Alliance of Academic Internal Medicine (AAIM)**  
 Member, AAIM Committee Chairs Group (2020)  
 Member, then Vice Chair, then Chair, AAIM Research Committee (2016–2020)  
 Leader, Research Track and PSTP Task Force (2017–2018)  
 Chair, Physician–Scientist Postgraduate Training Subcommittee (2018–2020)  
 Strategic Planning Sub–Committee (2016–2020)  
 Population Health Sub–Committee (2019–2020)  
 Residency Research Pathways Subcommittee (2016–2017)
- 2020–2023 **eLife**  
 Deputy Editor for Medicine  
 Member, *eLife* Editorial Leadership Team  
 Chair, *eLife* Ethics Committee (eEC)  
 Chair, Working Group on Editor Recruitment
- 2010– **Interurban Clinical Club**  
 President (2016–2018)  
 Secretary–Treasurer (2013–2016)  
 Council Member (2010–2013)  
 Historian and Book Editor (2018–)
- 2019– **American College of Physicians**  
 Education Committee, New York Chapter
- 2000–2016 **Department of Veterans Affairs**  
 Biomedical Laboratory and Clinical Sciences Merit Board (2014–2016)  
 Merit Review Council (2003)  
 Medical Research Advisory Group (MRAG) to the Director (2001–2003)  
 Career Development Award Committee II (2000)  
 Evaluation Committee for Centers of Excellence (2000–2003)  
 Merit Review Study Section in Aging and Clinical Geriatrics (2001)  
 Endocrinology–A, Special Review (2002)  
 Clinical Trials Review Committee–B (2012, 2013)

2001–2003	<b>American Federation for Aging Research</b> Research Committee National Scientific Advisory Council
2001–2006	<b>American Society for Bone and Mineral Research</b> Development Committee NIH Center for Scientific Review Task Force
2001–	<b>American Association for Clinical Endocrinology</b> Osteoporosis and Bone Scientific Committee (2012–2014) Clinical Symposia Committee Continued Medical Education Committee
2008–2011	<b>Shriners Hospital for Children</b> Research Advisory Board, Orthopedics and Clinical Committees
2016–	<b>Board Memberships</b> Children Hormone Research Foundation (2016–) International Association of Biological and Medical Research (2017–)
2022–	<b>Maria New International Prize for Biomedical Research</b> Chair, International Jury
2024–	<b>Science and Technology Innovation Prize, Hong Kong Alliance of Science and Technology (\$250,000)</b> Member, Life and Health Panel
2024–	<b>Hevolution Foundation</b> Member, Grants Review Panel

## EDITORIAL ACTIVITIES

2020	Guest Reviewing Editor, <i>Proceedings of the National Academy of Sciences</i>
2020–2023	Senior Editor and Deputy Editor, <i>eLife</i>
2019–2020	Reviewing Editor, <i>eLife</i>
2019–	Associate Editor, Genetic Steroid Disorders, Elsevier (Editor: Maria New)
2018–2025	Editor, Interurban Clinical Club (2015–2025): A Record of Achievement in Clinical and Biomedical Science
2017–2022	Board of Consulting Editors, <i>Journal of Clinical Investigation</i>
2017–2020	Editor-in-Chief, Encyclopedia for Bone Biology, Elsevier
2015–2019	Associate Editor, Primer for Metabolic Bone Diseases, official textbook of the American Society for Bone and Mineral Research
2015–2018	Associate Editor, <i>Insights</i> , official publication of the Alliance of the Associations of Internal Medicine (AAIM)
2012–	Founding Editor, <i>MARROW</i> , official publication of the NY Academy of Sciences
2011–2014	Associate Editor, <i>Calcified Tissues International</i>
2010–2012	Associate Editor, Primer for Metabolic Bone Diseases, official textbook of the American Society for Bone and Mineral Research
2011	Joint Guest Editor, <i>Annals of the New York Academy of Sciences</i> , Molecular and Integrative Physiology of Musculoskeletal System
2007, 2009, 2011	Guest Editor, <i>Annals of the New York Academy of Sciences</i> , Skeletal Biology and Medicine
2005	Guest Editor, <i>Annals of the New York Academy of Sciences</i> , Skeletal Development and Remodeling in Health and Disease
2004	Guest Editor, <i>Biochemical and Biophysical Research Communications: Volume:</i> Vertebrate Skeletal Remodeling
1998	Guest Editor, Molecular and Cellular Biology of Bone, Elsevier

2016–	Editorial Board, <i>Proceedings of the National Academy of Sciences of India, Section B, Biological Sciences</i>
2011–2014	Editorial Board, <i>Calcified Tissues International</i>
2007–2010	Editorial Board, <i>Endocrinology</i>
2002–2012	Editorial Board, <i>Journal of Clinical Densitometry</i>

### OTHER KEY PROFESSIONAL ACTIVITIES

2023	Dean's External Review Committee, University of Indiana's Center for Musculoskeletal Health
2020	Lead Organizer, Plenary Session on Endangered Sub-Specialties, Association of Professors of Medicine (APM)
2019	Lead Organizer, Plenary Session on Physician-Scientist Careers, Association of Professors of Medicine (APM)
2017–2020	Lead Organizer, Vice Chairs for Research Session, APM
2018, 2019	Invited Participant, Medical Research Hill Day, Capitol Hill, Washington DC
2018	Basic Science Committee, American Association of Orthopedic Surgeons
2018	Lead Organizer, Plenary Session on Vice Chairs for Research, Association of Professors of Medicine (APM)
2017	Organizing Committee, Research Residency Pathway Directors' Summit, Alliance of Academic Internal Medicine (AAIM)
2017	Member, AAAS Research Competitiveness Program Review Committee
2016	Co-Organizer, 213 <sup>th</sup> Meeting of the Interurban Clinical Club, New York
2011	Organizer, 203 <sup>rd</sup> Meeting of the Interurban Clinical Club, Advances in Translational Medicine–New York Landscape
2009–2013	Chair and Scientific Director, Continued Medical Education, National and Regional Programs on Osteoporosis (Sponsor: CMEducation)
2007, 2009, 2011	Chair and Scientific Director, The New York Skeletal Biology and Medicine Conference
2005	Chair and Scientific Director, New York Academy of Sciences Symposium on Skeletal Development and Remodeling in Health, Disease and Aging
2001, 2012	Category Chair, American Society for Bone and Mineral Research, Phoenix and Minneapolis
2003	Organizing Committee, 2 <sup>nd</sup> Joint International Bone and Mineral Society Meeting and Japanese Society for Bone and Mineral Research, Osaka
2002	Chair, Symposium on Ionic Channels in Health and Disease, Cambridge Philosophical Society, England
2001	Aging in 2001—Trends and Interventions, New York
2000	Organizing Committee, 1 <sup>st</sup> Joint Meeting of the International Bone and Mineral Society and European Calcified Tissue Society, Madrid
1995	Organizing Committee, 11 <sup>th</sup> International Congress on Calcium Regulation, Melbourne

### OTHER ACTIVITY OF NOTE

2024–	Dryad Data, Fundraising Advisory Board
2019	Reviewer, The International Prize for Scientific Research Arrigo Recordati
2016	Judge, New York Chapter of American College of Physicians
2013	National Academy of Medicine's Clinical Effectiveness Innovation Collaborative
2008, 2009	Advisor to Royal College of Physicians of London on Admission to Fellowship
2006–	Faculty 1000 Biology, Musculoskeletal and Dermatological Pharmacology
2006–2008	External Advisory Committee, Center for Metabolic Bone Diseases, University of Alabama
1998	External Reviewer for Dean, Dental School, State University of New York
1994	External Assessor for Office of Readership. Cambridge University

1993 Advisor to Royal College of Physicians of Ireland for the MRCPI Examination  
 1993– Regular reviewer for *Nature* Publishing Group (multiple times since 2016),  
*Cell* journals, *Science*, and *PNAS*, among many others

### **ADHOC REVIEW FOR INTERNATIONAL FUNDING ORGANIZATION OF NOTE**

Austrian Science Fund; Italian Ministry of Education, Universities and Research (MIUR); Recordati, Italy; German Research Foundation (Deutsche Forschungsgemeinschaft); Austrian Academy of Sciences; European Science Foundation; Academy of Medical Sciences, London; National Science Foundation (NSF); Hooke Committee, Royal Society, England; International Human Science Frontier Program; Medical Research Council, England; Arthritis and Rheumatism Council, England; The Wellcome Trust, England; The Nuffield Foundation, England; Cancer Research Campaign, England; Aging Research, London, England; Swiss National Research Council; New Zealand Research Council; Australian Government; Italian Cancer Association; Agence Nationale de Recherche, France; Medical Research Council of Singapore; Israel Ministry of Science and Technology; Israel Science Foundation; Croatian Science Foundation; Austrian Science Fund; European Calcified Tissues Society

### **EXTERNAL EXAMINER**

University of Western Australia (PhD); University of Pune, India (PhD, twice); Wuhan University, China (PhD); Hebrew University, Jerusalem (PhD)

### **LEARNED SOCIETIES**

University Club of New York (2023–); The Osler Club of London (2022–); Harvey Society (2010–); Endocrine Society (2005–); Board of Directors, Pennsylvania Osteoporosis Society (1997–1999); Physiological Society of the United Kingdom (1992–1996); Society for General Physiologists (1992–1996); American Society for Bone and Mineral Research (1986–)

### **ACADEMIC AND CLINICAL COMMITTEES**

1999– **Icahn School of Medicine at Mount Sinai**  
 Chair, Nominations and Awards Committee, Department of Medicine (2014–2017)  
 Department Representative, Mount Sinai Physician Scholars (2015–2020)  
 Institution’s Representative for NIH Site Visit for MSTP (2016)  
 Mentoring Committee, Department of Medicine (2010–2011)  
 Advisory Committee, Eliasberg Clinical Scholars in Anesthesia (2009–2011)

1999–2004 **James J. Peters VA Medical Center, New York**  
 Board of Directors  
 Medical Executive Committee  
 Research and Development Committee  
 VISN–3 Medical Utilization Subcommittee  
 Dean’s Committee

1996–1999 **Philadelphia VA Medical Center**  
 Executive Leadership and Operations Council  
 Research and Development Committee  
 Chair, Director’s Task Force on Geriatrics and Extended Care  
 Academic Affairs Committee  
 Medical Executive Committee  
 Strategic Planning Board  
 Dean’s Committee  
 Management Assistance Council, Veterans Integrated Network (VISN–2 )  
 Long-term Care Subcommittee, VISN–2

1998–1999 **Medical College of Pennsylvania**  
 Research Leadership Steering Committee in Medicine



- 1996–1997                    **University of Pennsylvania**  
 Chair, Geriatric Medicine’s Working Group on Management  
 Chair, University–wide Working Group on Osteoporosis
- 1989–1995                    **University of London**  
 Academic Board, St. George’s Hospital Medical School  
 University Consultant Appointment Committee  
 Collegiate Committee of Examiners  
 Laboratory Services Committee, St. George’s Hospital  
 University Board of Studies in Pathology

## **FORMAL EDUCATIONAL ACTIVITIES**

- 1999–                         **Icahn School of Medicine at Mount Sinai**  
 Member, MD–PhD Admissions Committee (2014–2018)  
 Lecturer, Endocrine Pathophysiology Course (2015–2016)  
 Director, Endocrine Section of the Physiology Course (2001–2003)
- 1999                         **Medical College of Pennsylvania, Philadelphia**  
 Senior Preceptor in Medicine
- 1998–2015                    **University of Pennsylvania’s Veterinary School**  
 Invited Lecturer for Biochemistry of Disease Course
- 1995–1996                    **University of Arkansas College of Medicine**  
 Director, Endocrinology Fellowship Program (1995)  
 Examiner, Structured Clinical Skills Examination (1995–1996)  
 Preceptor of the Sophomore Class for Clinical Medicine (1995–1996)
- 1987–1994                    **University of London**  
 “Recognized Teacher” (University title) (1989)  
 Co-organizer: Postgraduate Diploma in Clinical Pathology and Master of  
 Science in Clinical Biochemistry Courses (1988–1989)  
 Course Director, Blood Course (1991–1994)  
 Examiner, MBBS Examination and PhD Advisor

## **OVERVIEW OF CLINICAL AND ACADEMIC LEADERSHIP**

In 1997, I singlehandedly established from inception the VA’s first Geriatrics and Extended Care Service Line during my tenure as Associate Chief of Staff at the Philadelphia VA Medical Center. This vertical, all–encompassing, multidisciplinary care model with a capitated budget of ~\$15 million was shared between the University of Pennsylvania and the then Medical College of Pennsylvania (MCP). I redesigned the traditional VA departmental structure into an integrated model for elder care by creating and implementing an innovative strategic plan. This process involved multiple interactions with external Consultants, VA and Medical School leadership, and leadership of Federal Employees Union. I was responsible strategic planning, process implementation, budget management, infrastructure development, space allocation, performance improvement, workforce recruitment, staff realignment. This exercise created five areas of care, including a new geriatric clinic offering primary and specialty care for 2500 veterans, a home care program, a 240–bed nursing home, coordinated contract nursing home care, and an inpatient acute care for the elderly program. The new service line comprised of 200 health care professionals, who reported to me through five Section Directors. I recruited eight faculty members, and in my capacity as Associate Dean for Academic Affairs for the VA, interacted with senior management at the Philadelphia VA, MCP and Penn. This effort resulted in the first of what is now a well–established care model in the VA system and elsewhere. Upon joining Mount Sinai School of Medicine in 1999, Barry Collier, the then Chair of Medicine, and Arthur Rubenstein, the then Dean, asked that I join their efforts in applying for a Geriatrics Research Education and Clinical Center (GRECC) at the James J. Peters VA Medical Center VA. After the award of the GRECC as a center of excellence, I joined its founding leadership team as Associate Director for Research. During my tenure, I initiated programs in musculoskeletal aging, palliative care medicine, and health services research. In 2001, I was named as Interim

Director of the GRECC, in which capacity I became responsible for its tripartite missions. I oversaw the development and growth of a clinical program in palliative care, created an interdisciplinary geriatrics fellowship curriculum, recruited thirty two physician and physician–scientist faculty, and established the most-well-attended continuing education programs at the VA. During my tenure at the GRECC, I also served as Chief of the VA’s Division of Endocrinology and Metabolism. I began one of the first one–shop, one–stop multidisciplinary diabetes programs, established clinical bone and thyroid disease programs, recruited four new faculty, and restructured the endocrine clinics to improve both clinical care and fellowship experience. At Mount Sinai, I created a center of excellence for metabolic bone diseases—The Mount Sinai Bone Program (MSBP)—that I currently direct and has become part of a Center for Translational Medicine and Pharmacology (CeTMAP). CeTMAP has 14 principal investigators, four Cores, a GLP facility, and NIH funding of ~\$7M/year.

## RESEARCH FUNDING

2024–2029	National Institute of Aging, U19 (AR060917-06) FSH – An Aging Hormone? Contact PI: Zaidi; Total Cost: \$21.0M
2021–2026	National Institute on Aging, R01 (AG 71870) (Percentile: 7) Proof–of–concept and mechanistic studies to repurpose erectile dysfunction drugs for elderly females. Contact PI: Yuen, PI: Kim, Zaidi; Total Cost: \$ 3.46M
2023–2024	National Institute on Aging, R01 (AG 71870-S1) (ADRD Supplement) Proof–of–concept and mechanistic studies to repurpose erectile dysfunction drugs for elderly females. Contact PI: Yuen, PI: Kim, Zaidi; Total Cost: \$ 407,000
2021–2026	National Institute on Aging, U01 (AG 073148) A humanized monoclonal FSH blocking antibody for Alzheimer’s disease. Contact PI: Zaidi; Total Cost: \$ 8.45M
2021–2026	National Institute on Aging, R01 (AG 074092) FSH as a driver of sex differences in Alzheimer’s disease. Contact PI: Zaidi; Total Cost: \$ 6.33M
2021–2026	National Institute on Diabetes, and Digestive and Kidney Diseases, R01 (DK 107670) (Percentile: 13) The role of erythroferrone in regulating bone metabolism in $\beta$ –thalassemia.. Contact PI: Ginzburg; PI: Zaidi, Yuen; Total Cost: \$ 4.4M
2023–2024	National Institute on Diabetes, and Digestive and Kidney Diseases, R01 (DK 107670-S1) ADRD Supplement The role of erythroferrone in regulating bone metabolism in $\beta$ –thalassemia. Contact PI: Ginzburg; PI: Zaidi, Yuen; Total Cost: \$ 407,000
2023–2024	Friedman Brain Institute, Icahn School of Medicine at Mount Sinai FSH in Down’s Syndrome PIs: Zaidi and Goosens; One–time Award: \$ 60,000
2004–2029	Hevolution Foundation FSH and longevity (HR–GRO–23–1199258–13) PI: Zaidi; \$ 2M

## PAST RESEARCH FUNDING

### Government

2019–2024	National Institute of Aging, U19 (AR060917) FSH – An Aging Hormone? (Impact Score: 14)	\$14,960,000
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2020–2021	National Institute of Health, U19 AR060917-S1 FSH–An Aging Hormone? (ADR Supplement)	\$ 407,000
2017–2022	National Institutes of Health, R01 DK 113627 Thyrotropin receptor, thyrotropin and bone loss	\$ 2,600,000
2020–2022	National Institutes of Health, R01 DK 113627–S1 Thyrotropin receptor, thyrotropin and bone loss (ADR Supplement)	\$ 407,000
2014–2019	National Institutes of Health, R01 AR 67066 Ahr and osteoporosis (9 <sup>th</sup> percentile)	\$ 3,300,000
2013–2018	National Institutes of Health, R01 AR 65932 Understanding the skeletal phenotype of Gaucher disease	\$ 2,538,135
2012–2017	National Science Foundation of China Studies on craniofacial remodeling	\$ 150,000
2011–2016	National Institutes of Health, R01 AG40132 Exploring the posterior pituitary–bone axis	\$ 1,914,545
2008–2015	National Institutes of Health, R01 AG23186 Role of FSH in regulating osteoclast formation	\$ 1,956,479
2008–2014	National Institutes of Health, R01 DK80459 TSH and bone	\$ 2,567,929
2011	National Institutes of Health, R13 4 <sup>th</sup> NY Skeletal Biology and Medicine Conference	\$ 15,000
2010–2011	National Institutes of Health ARRA Supplement to R01 DK 080459	\$ 264,999
2010	National Institutes of Health ARRA Supplement to R01 AG23176	\$ 211,302
2009	National Institutes of Health, R13 3 <sup>rd</sup> NY Skeletal Biology and Medicine Conference	\$ 15,000
2007	National Institutes of Health, R13 2 <sup>nd</sup> NY Academy of Sciences Conference	\$ 15,000
2003–2008	National Institutes of Health, R01 AG23176 Calcium signaling in osteoclast formation	\$ 1,007,197
2005–2008	National Institutes of Health, R01 DK70526 Role of NFATc1 and calcineurin in bone	\$ 846,398
2005	National Institutes of Health, R13 NY Academy of Sciences Conference	\$ 13,000
2001–2006	VA Merit Award Role of calcineurin in bone formation	\$ 790,067
1999–2004	National Institutes of Health, R01 AG14917 Role of CD38/ADP–ribosyl cyclase in osteoclasts	\$ 1,073,908
1999–2003	Department of Veterans Affairs, Geriatrics Research Education and Clinical Center	\$ 4,258,923
1996–2001	VA Merit Award Mechanisms of osteoclast calcium homeostasis	\$ 429,000

1996–1999	National Institutes of Health, R01 AG14917 Osteoclast control by ionized calcium	\$ 243,798
1992–1995	Arthritis and Rheumatism Council of England The osteoclast calcium receptor	£ 90,000
1992–1995	Arthritis and Rheumatism Council of England Reactive oxygen species and bone resorption	£ 90,000
1990–1992	Medical Research Council of England Does amylin have a role in bone metabolism?	£ 55,000
1988–1991	Arthritis and Rheumatism Council of England Bone destruction in rheumatoid arthritis	£ 86,235
1988–1989	Medical Research Council of England Intracellular regulation of osteoclast function	£ 16,875

### Corporate, Including Clinical Trials

2012–2015	Questcor Pharmaceuticals Can ACTH prevent osteonecrosis?	\$ 312,738
2012–2013	Otsuka Pharmaceuticals Effect of a V2 inhibitor on bone	\$ 126,758
2005–2007	Genzyme Pharmaceuticals Effect of TSH on bone	\$ 75,000
2004–2005	Procter and Gamble Pharmaceuticals Affymetrix gene discovery	\$ 152,000
2004–2005	Servier/IRIS, Paris Effects of strontium on bone	\$ 118,000
2002–2003	Roche Pharmaceuticals DIVA Clinical Trial	\$ 236,500
2002–2003	Novartis Pharmaceuticals HORIZON–Recurrent Fracture Trial	\$ 177,780
2002–2003	Novartis Pharmaceuticals HORIZON–Pivotal Fracture Trial	\$ 612,422
2002–2003	Wyeth-Ayerst Research Bazedoxifene Trial for Osteoporosis	\$ 327,252
2001–2003	Procter and Gamble Pharmaceuticals DNA affymetrix screening of osteoclast genes	\$ 34,200
2001–2003	Procter and Gamble Pharmaceuticals Phase IV trial of risedronate	\$ 45,000
1997–1998	Amgen Pharmaceuticals Characterization of the osteoclast Ca <sup>2+</sup> sensor	\$ 140,000
1997	Merck and Co Osteoporosis research	\$ 10,000
1994–1995	Cortex International, London Clinical trial on oral calcitonin for osteoporosis	£ 48,000
1995	Boehringer Ingelheim Evaluation of clodronate on bone resorption	£ 7,500

1994–1995	Cortex International, London Clinical trial on oral calcitonin for Paget's disease	£ 24,000
1994	Cortex International, London Biologically active calcitonin in human serum	£ 7,600
1994	Electro–Biology Inc, Parsippany, New Jersey Pulsed electromagnetic fields and resorption	\$ 42,000
1993	Boehringer Ingelheim Phase III trial for meloxicam in arthritis	£ 45,000
1993	Boehringer Ingelheim Renal safety study of meloxicam	£ 15,000
1991 – 1995	Boehringer Ingelheim Studies on osteoclast regulation	£ 45,000
1990–1991	ISF, Milan, Italy, Role of parathyroid hormone–related protein	£ 17,000

### Foundations and Other

2018–2019	Harrington Innovator–Scholar Award Treating obesity and osteoporosis with one agent?	\$ 100,000
2005, 2007, 2009, 2011	Funding for the New York Skeletal Biology and Medicine Conferences	\$ 900,000
1993–1995	Sandoz Foundation for Gerontological Research Mechanisms of calcium detection	£ 7,000
1992–1993	Charity donations for osteoporosis	£ 20,000
1990–1992	Sandoz Foundation for Gerontological Research A role for amylin in bone conservation	£ 6,000
1989–1991	Leverhulme Trust, London Acid phosphatase in osteoclasts	£ 48,610
1988–1990	Research into Aging, London Action of calcitonin on the osteoclast	£ 34,334
1988–1989	Hammersmith Special Health Authority, London, G proteins in modulating osteoclast function	£ 3,000
1987–1988	Hammersmith Special Health Authority, London Calcium and osteoclast function	£ 5,000
1987–1988	Nuffield Foundation, London Mode of action calcitonin on the osteoclast	£ 4,000
1987	British Council, Overseas Training Program	£ 1,400

### MENTOR AND CAREER ADVISOR

2021–	Yelena Ginzburg, MD Current: Professor of Medicine, Tisch Cancer Institute, and Center for Translational Medicine and Pharmacology, Icahn School of Medicine at Mount Sinai <i>MPI on two NIH R01s</i>
2023–	Daria Vaselyva, MD Current: Postdoctoral Fellow, Center for Translational Medicine and Pharmacology, Icahn School of Medicine at Mount Sinai

- 2023– Satish Rojekar, Ph  
Current: Postdoctoral Fellow, Center for Translational Medicine and Pharmacology, Icahn School of Medicine at Mount Sinai
- 2022– Anusha Pallapati, PhD  
Current: Postdoctoral Fellow, Center for Translational Medicine and Pharmacology, Icahn School of Medicine at Mount Sinai
- 2023– Huihui Li, PhD  
Current: Assistant Professor, Center for Translational Medicine and Pharmacology, Icahn School of Medicine at Mount Sinai and Department of Emergency Medicine  
*K01 Awardee*
- 2024– Victoria Laurencin, BS  
Current: Research Associate, Center for Translational Medicine and Pharmacology, Icahn School of Medicine at Mount Sinai
- 2023– Weibin Zhou, PhD  
Current: Assistant Professor (tenure track), Center for Translational Medicine and Pharmacology, Icahn School of Medicine at Mount Sinai
- 2023– HuiHui Li, PhD  
Current: Assistant Professor (tenure track), Center for Translational Medicine and Pharmacology, Icahn School of Medicine at Mount Sinai. *PI on NIH K01*
- 2019– Farhat Sultana, PhD  
Current: Instructor, Center for Translational Medicine and Pharmacology, Icahn School of Medicine at Mount Sinai
- 2019–2022 Hirotaka Mayashita, MD  
Resident in Medicine, Mount Sinai Beth Israel  
Current: Fellow in Oncology, Hitchcock Medical School, Dartmouth
- 2019– Cemre Robinson, MD  
Assistant Professor of Medicine and Pediatrics, Mount Sinai Bone Program  
Current: Medical Director for Rare Diseases, Sanofi; and Adjunct Assistant Professor of Medicine and Pediatrics, Mount Sinai Bone Program, Icahn School of Medicine at Mount Sinai
- 2019– Naseer Ahmed, PhD (deceased)  
Research Fellow, Mount Sinai Bone Program (2018–2019)
- 2019– Funda Korkmaz, MD  
Current: Instructor, Center for Translational Medicine and Pharmacology, Icahn School of Medicine at Mount Sinai
- 2019–2022 Sakshi Gera, PhD  
Postdoctoral Fellow, Center for Translational Medicine and Pharmacology, Icahn School of Medicine at Mount Sinai  
Current: Research Scientist, Envisagenics, New York
- 2019– Anisa Gumerova, MD, PhD  
Current: Senior Research Scientist and Instructor, Center for Translational Medicine and Pharmacology, Icahn School of Medicine at Mount Sinai
- 2018– Vitaly Ryu, PhD  
Current: Assistant Professor of Pharmacology, Director, Neurohormone Group, Center for Translational Medicine and Pharmacology, Icahn School of Medicine at Mount Sinai

- 2018– Daria Lizneva, MD, PhD  
Current: Assistant Professor of Pharmacology, Director, Reproductive Hormone Group, Center for Translational Medicine and Pharmacology, Icahn School of Medicine at Mount Sinai
- 2019– Kseniia Ivleva, MD  
Current: Postdoctoral Fellow, Center for Translational Medicine and Pharmacology, Icahn School of Medicine at Mount Sinai
- 2019– Sari Miyashita, PhD  
Current: Research Scientist, Asahi, Japan  
Postdoctoral Fellow, Center for Translational Medicine and Pharmacology, Icahn School of Medicine at Mount Sinai
- 2018– Charith Taneja, MD  
Medical Resident, Mount Sinai Beth Israel (2017–2020)  
Current: Attending in Endocrinology, Hofstra School of Medicine and Northwell
- 2018–2020 Alina Rahimova, MD  
Postdoctoral Fellow in Bioinformatics. Mount Sinai Bone Program (2018–2020)
- 2017– Samarth Dhawan, MD  
Current: Chief Resident in Medicine, Mount Sinai–VA Residency Program
- 2017– Lubna Munshi, MD  
Current: Assistant Professor of Endocrinology, Ohio State Medical Center, Columbus  
Fellow in Endocrinology, Mount Sinai Health System (2016–2018)
- 2017– Mehr Matthews, MD  
Current: Resident in Pediatrics, Yale School of Medicine  
Fellow, Mount Sinai Bone Program, and Medical Student, Rutgers (2019–2021)
- 2014–2016 Yaoting Ji, PhD  
Current: Associate Professor, Wuhan University, China  
Research Fellow, Mount Sinai Bone Program (2014–2016)
- 2015–present Ahmad Khattab, MD  
Current: Assistant Professor of Pediatrics, Robert Wood Johnson Medical School, Assistant Professor in Pediatrics, Mount Sinai (2016–2019)
- 2012–2014 Se-Min Kim, MD  
Current: Associate Professor of Medicine, Mount Sinai  
Research Fellow, Mount Sinai (2012–2014); then Endocrine Fellow, Cedar Sinai  
*MPI on NIH R01*
- 2014–2017 Peng Liu, MD, PhD  
Current: Professor, 2<sup>nd</sup> Affiliated Hospital of Wenzhou Medical University, China  
Assistant Professor in Medicine, Mount Sinai Bone Program (2014–2017)
- 2012–2017 Lu Ping, MD, PhD (deceased)  
Research Fellow, Mount Sinai Bone Program (2012–2014)
- 2011–present Tony Yuen, PhD  
Current: Associate Professor (tenure track), Center for Translational Medicine and Pharmacology, Icahn School of Medicine at Mount Sinai  
Research Fellow, Mount Sinai Bone Program (2012–2014)  
*Project PI on NIH U19, Contact PI on NIH R01, MPI on NIH U01 and R01*
- 2010–2011 Graziana Colaianni, PhD  
Current: Associate Professor, University of Bari, Italy  
Research Fellow, Mount Sinai Bone Program (2010–2011)

- 2008–2013 Goutham Narla, MD, PhD  
Current: Division Director, Division of Medical Genetics, University of Michigan School of Medicine  
Medical Student, Resident, and Early Career HHMI Award (2008–2013)  
*Principal Investigator, multiple NIH R01s and Other Grants*
- 2010–2013 Weiping Qin, MD  
Current: Associate Professor, Mount Sinai  
*Principal Investigator on Department of Defense and VA Merit Review Grants*
- 2007–2008 Gouzhe Yang, MD, PhD  
Current: Senior Research Scientist, Washington University of St. Louis  
Instructor in Medicine, Mount Sinai (2007–2008)
- 2007–2011 Herb Sun, PhD  
Current: Professor of Orthopedics, Albert Einstein College of Medicine  
Assistant Professor of Orthopedics, Mount Sinai (2007–2011)  
*Principal Investigator on NIH R01 Grants*
- 2007–2009 Pramod Mistry, MD  
Current: Professor of Medicine and Director, Yale Gaucher Program  
Previously Professor of Pediatrics, Chief of Pediatric Gastroenterology, Yale;  
Associate Professor of Medicine, Mount Sinai School of Medicine (2007–2009)  
*Principal Investigator on NIH R01 Grant*
- 2007–2009 Karen Su, MD  
Current: Assistant Professor, Hospital for Special Surgery, New York  
Assistant Professor of Pediatrics, Mount Sinai (2007–2009)
- 2003– Kevin Kumar, MD, PhD  
Current: Resident in Neurosurgery, Stanford University School of Medicine  
New York Academy of Sciences Summer Trainee (2003, 2004)
- 2002– Samir Zaidi, MD, PhD  
Current: Assistant Attending in Oncology, Memorial Sloan Kettering Cancer Center, and Instructor in Medicine, Weill Cornell Medical College, and Visiting Fellow, Rockefeller University, New York  
*MSTP Student at Yale University (Lifton Lab), graduated Magna Cum Laude (2016); MD-PhD Award (2016); Medical Resident (Stanbury Track), Massachusetts General Hospital, Harvard Medical School (2016–2018); National Third Place, Siemens–Westinghouse Competition (2007); DoD Early Investigator Award (2021), ASCO Young Investigator Award (2020); Prostate Cancer Foundation Young Investigator Award (2021)*
- 2002–2004 Adina Schneider, MD  
Current: Private Practice  
Fellow, then Instructor, Mount Sinai Bone Program (2002–2004)
- 2000–2002 Bruce Troen, MD  
Current: Professor and Chief, Division of Geriatrics, University of Buffalo  
Associate Professor of Geriatrics and Medicine, Mount Sinai School of Medicine and Staff Physician, James J. Peters VA Medical Center, New York (2000–2002)  
*PI, R01 and Merit Review Funding*
- 2000–2002 Xue-Bin Wu, MD, MS  
Current: Professor and Head of Hematology, Railroad Hospital System, Beijing  
Research Fellow, Mount Sinai Bone Program (2000–2002)
- 2000–2002 Xingyao Wu, MD, MS  
Current: Research Scientist, University of Iowa



- Research Fellow, Mount Sinai Bone Program (2001–2002)
- 2000–2004 Ronald Villaneuva, MD  
Current: Private Practice  
Fellow, then Instructor in Medicine, Mount Sinai School of Medicine, and Staff Physician, James J. Peters VA Medical Center (2000–2004)
- 2001–2002 Stephanie Tung, MD  
Current: Attending Psychiatrist, Brigham and Women’s Hospital  
New York Academy of Sciences Summer Trainee (2001, 2002)
- 2000–2004 Angela Inzerillo, MD  
Current: Private Practice  
Instructor, then Assistant Professor of Medicine, Mount Sinai Bone Program (2000–2004)  
*Young Investigator Award, ARA Foundation*
- 2000– Neeha Zaidi, MD  
Current: Assistant Professor in Oncology, Sidney Kimmel Comprehensive Cancer Center, Johns Hopkins School of Medicine  
*Graduated from Mount Sinai School of Medicine with Distinction in Research and the Jeffrey Model Clinical Immunology Prize (2012); HHMI Medical Research Fellow at Rockefeller University’s Steinman Lab (2011–2012); NIH Intramural Research Training Award (2015–2016); ASCO Young Investigator Award (2018); Linda Rubin Fellowship in Pancreatic Cancer Research and Patient Care and Inaugural PSTP Class at Johns Hopkins (2018); NIH K08 Award (2020, Impact Score 10); ASCO Early Career Development Award (2021)*
- 1999–2009 Etsuko Abe, PhD (deceased)  
Associate Professor of Medicine, Mount Sinai Bone Program (1999–2009)  
*PI on Merit Review and NIH R01 Grants*
- 1996–2005 Li Sun, MD, PhD  
Current: Emeritus Professor of Medicine, Mount Sinai Bone Program  
NIH Training Fellow, Assistant and Associate Professor of Medicine, Mount Sinai Bone Program (1999–2013); Research Fellow, University of Pennsylvania School of Medicine (1996–1999)  
*2005 Award for the Most Outstanding Research, American Society for Bone and Mineral Research; PI on NIH R01 and U19 Grants (since 2008)*
- 1992–1999 Olugbenga A. Adebajo, MD  
Current: Private Practice  
Fellow, St. George’s Hospital, London, Fellow, then Assistant Professor, University of Pennsylvania School of Medicine (1992–1999)  
*Young Investigator Award, American Society for Bone and Mineral Research*
- 1990–1995 Michael Pazianas, MD  
Current: Adjunct Associate Professor, Icahn School of Medicine at Mount Sinai, New York  
Associate Professor of Medicine, University of Pennsylvania and Director of the Osteoporosis Program; Senior Fellow and Registrar, St. George’s Hospital Medical School, London (1990–1995)
- 1999–2004 Peter Bevis, PhD  
Current: Consultant on Clinical Trials  
Associate Professor of Medicine, Mount Sinai School of Medicine; Senior Research Scientist, James J. Peters VA Medical Center GRECC (1999–2004)

- 1990–1992 Christopher M.R. Bax, PhD  
Current: Principal Lecturer with tenure, Metropolitan University, London  
Research Fellow, St. George's Hospital Medical School, London (1990–1992)
- 1990–1992 Bridget E. Bax, PhD  
Current: Reader in Rare Diseases, St. George's Hospital Medical School, London  
Research Fellow, St. George's Hospital Medical School, London (1990–1992)
- 1988–1990 Harish K. Datta, MD, PhD  
Current: Reader and Consultant Physician, University of Newcastle, UK  
Registrar, Royal Postgraduate Medical School, London (1988–1990)
- 1992–1993 Hersha Rathod, PhD  
Current: Research Scientist, Rheumatology Institute, University of London  
Fellow, St. George's Hospital Medical School, London (1992–1993)

### Graduate Students

- 2013–2019 Agnes Stachnick, MS, MD  
Medical Student at Mount Sinai, previously Masters of Science, Biomedical Sciences (2014), Mount Sinai School of Medicine
- 2008–2012 Ling-Ling Zhu, PhD  
Current: Visiting Research Fellow, Mount Sinai  
PhD in Molecular Medicine (2012), Wuhan University  
Research Assistant, Mount Sinai (2006–2010)
- 2007–2009 Xuan Liu, PhD  
Current: Assistant Professor, Southeast University Medical College, Nanjing, China  
PhD in Molecular Biology, Southeastern University, Nanjing  
Research Assistant, Mount Sinai (2007–2009)
- 2001–2007 Jameel Iqbal, MD, PhD  
Current: Vice President, DaVita, Orlando; Adjunct Professor of Medicine and Pharmacological Sciences, Icahn School of Medicine at Mount Sinai  
Formerly Chief, Department of Pathology and Laboratory Medicine, James J. Peters VA; PhD in Molecular Biology (2007), Mount Sinai School of Medicine  
Fellow in Pathology, Cedar Sinai; Chief Resident, University of Pennsylvania  
Chief of Clinical Pathology, Greater Los Angeles VA  
*Anthony Means Award, Endocrine Society (2006); Research Achievement Award, Mount Sinai (2007); Dr. Milton Brothers Award, Mount Sinai (2007); American Federation for Aging Research Fellowship (2008); PI on NIH R01 (2018–2021)*
- 1992–1995 Vijai Shankar, MD  
PhD in Biochemistry (1995), University of London
- 1990–1992 Towhidul Alam, MD  
Current: Associate Professor of Biochemistry and Medicine, University of Dhaka  
PhD in Biochemistry (1992), University of London
- 1988–1992 Baljit S. Moonga, PhD (Chemistry)  
Former Scientific Review Officer, NIH  
PhD in Biochemistry (1992), University of London  
Professor and Research Administrator, School of Dental Medicine, Stony Brook University (2008–2012); Administrator, James J. Peters VA GRECC (2001–2007)

### CORPORATE AND LEGAL CONSULTING

Key Expert Witness for WilmerHales LLC (on behalf of Novartis), Patent Infringement

Key Expert Witness for Venables LLC (on behalf of Merck), Test Cases on Atypical Femur Fractures  
 Key Expert Witness for Bowman Brookes LLC (on behalf of Roche), Test Cases on Atypical Fractures  
 Advisory Boards or Consultant: Roche, Novartis, GlaxoSmithKline, Amgen, Procter and Gamble, Warner  
 Chilcott, Harvester (Taiwan), Questcor, Alexion, Shire, Merck, and Takeda  
 Consultant, Jefferies, Gershon Lehman, Citibank, Guidepoint, MedCorp, AlphaSight, and Coleman

## **INVITED LECTURES AND VISITING PROFESSORSHIPS OF NOTE**

### **2025**

Invited Speaker, European Calcified Tissues International, Innsbruck, Austria

### **2024**

Invited Faculty, FEBS–EMBO Advanced Lecture Course, Spetses Island, Greece  
 Invited Seminar, Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences, Shenzhen  
 Podium Talk, International Society of Endocrinology, Dubai (selected as winner amongst all presentations)  
 Invited Lecture, University of Liverpool, Institute of Systems, Molecular and Integrative Biology  
 Invited Lecture, University of Siena, Italy

### **2023**

Lecture, Shenjing Cancer Institute, Shengyang, China  
 Invited Seminar, Wellcome–MRC Institute of Metabolic Science, University of Cambridge  
 Department of Medicine Grand Rounds, Mount Sinai  
 Seminar Speaker, Friedman Brain Institute, Mount Sinai  
 Invited Speaker, Biological Transactions: From Molecules to Organisms (BTMO 2023), Indian Institute of  
 Science, Bangalore, India

### **2022**

Honorary Degree Acceptance Remarks, King George's Medical University, Lucknow  
 Plenary Lecture, Korean Society for Osteoporosis  
 Dan Duncan Neurological Research Institute, Baylor College of Medicine, Houston (virtual)  
 Symposium Speaker, 1<sup>st</sup> International Meeting on Endocrine–Related Osteoporosis  
 Invited Speaker, 20<sup>th</sup> Meeting of the Forum in Bone and Mineral Research, Catania, Sicily  
 Invited Talk, Department Immunology, University of Tokyo  
 Invited Lecture, University of Iwaki, Japan  
 Invited Talk, Federation of Clinical Immunology Societies (FOCIS) Director's Meeting, San Francisco, 2022  
 Symposium Speaker, British Endocrine Societies (SfE BES 2022), Harrogate, U.K.  
 Invited Speaker, Berlin Institute of Health, Berlin, Germany  
 Invited Speaker, QUEST, Charité—Universitätsmedizin Berlin, Germany  
 Special Discussion on *eLife* and Medicine, Francis Crick Institute, London  
 Department of Medicine Virtual Grand Rounds, Mount Sinai Beth Israel Medical Center (virtual)  
 Speaker, *eLife* Annual Meeting (virtual)  
 Plenary Session Speaker, 8<sup>th</sup> International Symposium on Current Trends in Drug Discovery Research,  
 Lucknow, India (virtual, hybrid)

### **2021**

Speaker, Changing the Culture of Medical Publishing at *eLife*, Radboud University, The Netherlands (virtual)  
 Speaker, An Update on Medicine at *eLife*, Uppsala University, Sweden (virtual)  
 Mount Sinai Rheumatology Grand Rounds (virtual)  
 Invited Speaker, International Men's Health Symposium, London (virtual)  
 Conference Chair, International Forum on Cancer Translation and Precision Medicine, Shengyang (virtual)  
 Chair, Inaugural Sessions, *eLife* Annual Meeting (virtual)  
 Meet the Expert and Symposium Speaker, 19<sup>th</sup> International Congress of Endocrinology, 13<sup>th</sup> Congress of  
 the Argentine Federation of Endocrinology and 4<sup>th</sup> Latin American Congress of Endocrinology,  
 Buenos Aires (virtual)  
 Invited Speaker, Harvard Interdisciplinary Oxytocin Research Initiative (virtual)  
 Special Seminar, Center for Discovery and Innovation, New Jersey (virtual)

Annual Seminar Series, Center for Musculoskeletal Research, Johns Hopkins School of Medicine (virtual)

## 2020

Opening Keynote Lecture, Forum in Bone and Mineral Research, Catania, Italy (cancelled)  
 Department of Pharmacology Special Lecture, Icahn School of Medicine at Mount Sinai (virtual)  
 Invited Speaker, International Society of Gynecological Endocrinology, Florence (virtual)  
 Symposium Speaker, American Society for Bone and Mineral Research, Seattle (virtual)  
 Incoming Visiting Professor, Università Campus Bio-Medico di Roma, Rome (cancelled)  
 Invited Speaker, 1<sup>st</sup> International Meeting on Endocrine–Related Osteoporosis, Catania, Italy (cancelled)  
 International Invited Speaker, Italian Debate for Endocrinology Experts, Rome (cancelled)  
 Plenary Session on Endangered Subspecialties, Association of Professors of Medicine, Tampa (cancelled)  
 Speaker, Department of Physiology, Columbia University Vagelos College of Physicians and Surgeons

## 2019

Medical Grand Rounds, Cedar Sinai Medical Center  
 Cardiometabolic Seminar, New York University Langone School of Medicine  
 Invited Speaker, Hospital for Bone and Joint Diseases, New York  
 Plenary Lecture, Korean Osteoporosis Society, Seoul  
 Invited Lecture, Tokyo University, Japan  
 Invited Lecture, Iwaki University, Fukushima, Japan  
 Bench–to–Beside Seminar Speaker, New York Medical College  
 Invited Speaker, New York Chapter of the American College of Physicians  
 Endocrine Grand Rounds, Johns Hopkins School of Medicine  
 Scholar Talk, Harrington Scientific Symposium, Cleveland  
 International Workshop Speaker, 4<sup>th</sup> Qatar University Health Symposium, Doha, Qatar  
 Invited Symposium Speaker, U.S. Endocrine Society, New Orleans  
 Spotlight Speaker, Orthopedics Research Society, Austin  
 Guest Speaker Lecture, 2<sup>nd</sup> Chicago College of Pharmacy Research Symposium, Chicago  
 Moderator, Vice Chairs for Research Session, Association of Professors of Medicine, Philadelphia  
 Moderator, Plenary Session on Physician–Scientists, Association of Professors of Medicine, Philadelphia  
 Co–Chair and Panelist, Alliance of Academic Internal Medicine’s Physician–Scientist Training Program  
 Director’s Session, Philadelphia

## 2018

Guest Speaker, Qatar University School of Medicine, Doha, Qatar  
 Symposium Speaker, 18<sup>th</sup> International Congress of Endocrinology, Cape Town  
 Symposium Speaker, Annual Meeting of the Society of Endocrinology, Glasgow  
 Invited Speaker, India International Science Festival, Lucknow, India (invited by Government of India)  
 Endocrine Grand Rounds as the Endocrinologist–of–the–Year, Mount Sinai  
 Invited Lecture, 3<sup>rd</sup> Issue of the Wuhan University LuoJia Medical Forum, China  
 Invited Lecture, Shenyang Medical University, China  
 Touchstone Diabetes Center Seminar Speaker, University of Texas Southwestern Medical Center  
 Department of Medicine Research Seminars, Mount Sinai School of Medicine  
 Endocrine Grand Rounds, Yale School of Medicine  
 Department of Medicine Grand Rounds, Case Western Reserve University, Cleveland  
 Featured Endocrine Grand Rounds Speaker, University of Virginia School of Medicine  
 Symposium Speaker, American Diabetes Association  
 Moderator, Vice Chairs for Research Session, Association of Professors of Medicine, San Antonio  
 Moderator, Annual Scientific Plenary Session, Association of Professors of Medicine, San Antonio  
 Chair, Alliance of Academic Internal Medicine’s Physician–Scientist Training Program Director’s Session,  
 San Antonio

## 2017

Invited Seminar, Division of Endocrinology, Imperial College, Hammersmith Hospital, London  
 “Special Lecture,” International Conference on the Impact of Environment on Women’s Health, India  
 Department of Cell and Molecular Biology Seminars, Baylor College of Medicine

Invited Dinner Talk, American Association of Clinical Endocrinologists, Texas Chapter, San Antonio  
 Maria I. New Post–Lunch Conference, Mount Sinai School of Medicine  
 Visiting Professor and Speaker, Oncology Conference, Shenyang, China  
 Invited Lecture, Li Kai Sheng Institute of Health Sciences, Chinese University of Hong Kong  
 Invited Speaker, Musculoskeletal Regenerative Medicine Conference, Washington University at St. Louis  
 Essayist, 710<sup>th</sup> Meeting of the Practitioners' Society, New York  
 Moderator, Enabling a Community of Vice Chairs for Research Session, Association of Professors of  
 Medicine, Baltimore  
 Moderator, Annual Scientific Plenary Session, Association of Professors of Medicine, Baltimore  
 Plenary Session Moderator and Group Facilitator, Alliance of Academic Internal Medicine (AAIM)  
 Residency Research Pathways Director's Summit, Baltimore

## 2016

Speaker, State-of-the-Art Rheumatology for Primary Care, Mount Sinai  
 Invited Speaker, Helmholtz Diabetes Institute, Munich  
 Invited Speaker, Rutgers Robert Wood Johnson Medical School, New Brunswick  
 Panelist, Association of Professors of Medicine, Charleston  
 Guest of Honor, Golden Jubilee Celebrations, Indian Institute for Toxicology Research, India  
 Invited Poster Visitor and Judge, Association of American Physicians Annual Joint Meeting, Chicago  
 Grand Rounds, Division of Rheumatology, Mount Sinai School of Medicine  
 Invited Speaker, From Laboratory to Clinical—Getting Closer to Cure, Trinity College, Oxford  
 Guest Speaker, OCDEM Seminar, Oxford Center for Diabetes, Endocrinology and Metabolism  
 Seminar Speaker, Center for Musculoskeletal Research, Johns Hopkins School of Medicine  
 Invited Speaker, University of Illinois School of Medicine, Chicago  
 Guest Speaker, Metropolitan New York Bone Club  
 Keynote Address, Current Trends in Drug Development Research (CTDDR-2016), Central Drug Research  
 Institute, Lucknow, India  
 Invited Speaker, Japan Agency for Medical Research and Development, Tokyo Medical and Dental School  
 Visiting Professor and Invited Speaker, Dalian Medical University, China (2016–2019)

## 2015

Medicine Grand Rounds, University of Toledo College of Medicine  
 State-of-the-Art Rheumatology for Primary Care Physicians, Mount Sinai School of Medicine  
 Dean's Lecture, Third International Biomedical Forum of West China  
 Plenary Talk, First Affiliated Hospital of Xinjiang Medical University, China  
 Endocrine Grand Rounds, Lennox Hill Hospital, New York  
 Jefferies Biotechnology Conference on Achondroplasia  
 Mount Sinai Department of Medicine Research Seminar  
 Symposium Speaker, World Congress on Neurohypophyseal Hormones–2015, Queenstown,  
 New Zealand (declined)  
 Wednesday Guest Speaker, Adrenal Steroid Disorders Program, Mount Sinai  
 “Master–Clinician” Speaker, Division of Endocrinology, Mount Sinai School of Medicine  
 Invited Lecture, 6<sup>th</sup> Gaucher Leadership Forum, Berlin  
 Guest Debate Speaker (at Opening Ceremony), and Senior Investigator (New Investigator Breakfast),  
 European Calcified Tissues Society and International Bone and Mineral Society, Rotterdam

## 2014

Harrington Seminars, Case Western Reserve University  
 State-of-the-Art Rheumatology Course, Mount Sinai School of Medicine  
 Invited Speaker, Research and Development Rounds, Halozyme Corporation, San Diego  
 Closing Keynote Lecture, Second International Biomedical Forum of West China, Shihezi  
 Medical Grand Rounds and Rheumatology Grand Rounds, Rush School of Medicine  
 Guest Speaker, BYL Nair Hospital, Mumbai  
 Invited Speaker, Indian Society for Bone and Mineral Research (ISBMR–2014), Mumbai  
 Invited Speaker, International Symposium on Musculoskeletal System, Tokyo  
 Special Symposium Speaker, University of Tokyo Medical School, Tokyo

Visiting Professor, University of Chicago Breast Cancer Program

### 2013

Rheumatology Grand Rounds, Mount Sinai School of Medicine  
 Invited Lecture, 43<sup>rd</sup> Annual Meeting of the Endocrine Society of India, Bhopal  
 Distinguished Visiting Scientist, Physiological Laboratory, University of Cambridge  
 Department of Medicine Grand Rounds, Mount Sinai School of Medicine  
 Symposium Speaker, American College of Rheumatology Annual Meeting, San Diego  
 Department of Pathology Seminars, University of Pittsburgh School of Medicine  
 Special Post-Convocation Lecture, Sanjay Gandhi Postgraduate Institute of Medical Sciences, India  
 Luncheon Lecture, Singapore International Congress of Obstetrics and Gynecology–2013  
 Symposium Speaker and Public Forum Speaker, Singapore International Congress of Obstetrics and Gynecology–2013  
 Special Dinner Lecture, Endocrine and Metabolic Society of Singapore  
 Plenary Talk, and Session Chair, International Gaucher Conference on Bone Disease, Rio de Janeiro  
 Visiting Professor, Wuhan University School of Stomatology, China  
 Chair, Asia Expert Panel on Bone Health Management, Seoul, Korea  
 Department of Medicine Research Seminar, Mount Sinai School of Medicine  
 Work-in-Progress Series, Diabetes, Obesity and Metabolism Institute, Mount Sinai  
 Lecture, Singapore Obstetrics and Gynecological Society  
 Lecture, Hong Kong Obstetrics and Gynecological Society  
 Special Dinner Lecture, Malaysian Osteoporosis Society, Kuala Lumpur  
 Invited Lectures, Hospital of Kuala Lumpur, and Malaysian Medical Association  
 Invited Lectures, Taiwan Osteoporosis Association and Taiwan National Medical School  
 Program Chairman and Speaker, National CME Series on High Risk Osteoporosis, New York, Los Angeles, San Francisco, Chicago, and Miami

### 2012

Plenary Speaker, 30<sup>th</sup> Japanese Society for Bone and Mineral Research (one of two Society guests)  
 Grand Rounds, Department of Obstetrics and Gynaecology, Mount Sinai School of Medicine  
 Distinguished Lecture, Teijin Pharmaceuticals, Tokyo  
 10<sup>th</sup> World Congress on Insulin, Diabetes and Cardiovascular Disease, Los Angeles  
 Plenary Lecture, Regional Pacific Osteoporosis Continuum Conference, Jeju, Korea  
 Distinguished Scientist Speech, Wuhan University Medical School, Wuhan, China  
 Taiwan Osteoporosis Society Meeting and Symposia, Taipei and Kaohsiung, Taiwan  
 Plenary Lecture, European Society of Endocrinology Summer School, Bregenz, Austria  
 Special Lecture, The Hong Kong Medical Association  
 Invited Speaker, Association of Orthopedic Surgeons of Hong Kong  
 Luncheon Lecture, Annual Meeting of the Osteoporosis Society of Hong Kong  
 Grand Rounds, Women and Children's Hospital, Buffalo  
 Invited Speaker, Centro Nacional de Investigaciones Cardiovasculares, Madrid  
 Symposium Speaker, Annual Endocrine Society Meeting, Houston  
 Plenary Symposium Speaker, American Society for Bone and Mineral Research, Minneapolis  
 Program Chairman and Speaker, National CME Series on High Risk Osteoporosis, New York, Washington DC, Miami, Chicago, Los Angeles, and Houston

### 2011

Plenary Lecture, Bone Session Lecture, Meet-the-Professor, 41<sup>st</sup> Endocrine Society of India, Pune  
 Invited Speaker, 5<sup>th</sup> Joint Puerto Rican Society of Endocrinology and Diabetes and American Association of Clinical Endocrinologists, San Juan  
 Guest Speaker, American Association of Clinical Endocrinologists, New Jersey Chapter  
 Visiting Scientist, Enobia, Montreal  
 Festschrift for Francis Glorieux, Montreal  
 Invited Speaker, Bologna Bone and Biomaterials Conference, Bologna  
 Medical Grand Rounds, Albert Einstein Medical Center, Philadelphia  
 Keynote Speaker, Philadelphia Endocrine Society

Medical Grand Rounds, James J. Peters VA Medical Center, New York  
 Guest Speaker, Food and Drug Administration, Washington DC  
 Invited Speaker, Multiple Sclerosis Conference, Montreal  
 Invited Speaker, 2011 Multiple Sclerosis Summit: ACTH Revisited, Boston  
 Mentoring Breakfast (Meet-the-Professor), Association of American Physicians (AAP)  
 Conferencia Magistral (Keynote Speaker), 11 Congreso Colombiano de Endocrinología, Cali  
 Program Chair and Speaker, National CME Series on Science and Medicine of Osteoporosis, New York,  
 Boston, Philadelphia, Washington DC, Miami, Chicago, Los Angeles, San Francisco, and Phoenix  
 Grand Rounds, Department of Obstetrics and Gynecology, Mount Sinai School of Medicine  
 4<sup>th</sup> New York Skeletal Biology and Medicine Conference, New York

## 2010

Keynote Speaker, International Cannabinoid Congress, Israel Science Foundation and Institute of  
 Advanced Studies, Hebrew University, Jerusalem  
 Keynote Speaker, Special Symposium on Bone Remodeling, University of Bari  
 Medicine Grand Rounds, Mount Sinai School of Medicine  
 Director, Advanced Preceptorship in Osteoporosis for Latin American Physicians, New York  
 Special Speaker, VI Congreso Latinoamericano en Clímatario y Menopausia, Cancun  
 Second World Conference on Hormonal and Genetic Basis of Sexual Differentiation Disorders and Hot  
 Topics in Endocrinology, Miami  
 Rolanette and Berdon Lawrence Bone Disease Program of Texas Seminar, MD Anderson Cancer  
 Center, and Baylor College of Medicine, Houston  
 Visiting Professor, Department of Orthopedics and COBRE Center, Warren Alpert School of Medicine,  
 Brown University

## 2009

Latin American Osteoporosis Expert Forum, Santiago, Chile  
 Chairperson and Speaker, Management of Osteoporosis, Los Angeles and Miami  
 Grand Rounds, Division of Endocrinology, Baylor College of Medicine, Houston  
 Louis V. Avioli Bone Research Seminars, Washington University School of Medicine  
 Grand Rounds, Department of Obstetrics and Gynecology, Mount Sinai School of Medicine  
 NIA Workshop: Mechanisms Mediating the Central Regulation of Bone Mass  
 Invited Speaker, Bioengineering Research Seminars, Penn State University  
 Speaker, Rheumatology Grand Rounds, Oregon State Health University  
 16<sup>th</sup> Symposium on Ca<sup>2+</sup>-Binding Proteins, Pucon, Chile  
 Speaker, Pediatric Endocrine Grand Rounds, SUNY Downstate, New York  
 Honorary Speaker, Hellenic Society of Nephrology, Alexandropolis, Greece  
 Distinguee Professor, IX Congreso Mexicano De Osteoporosis Y Enfermedades Metabólicas Oseas,  
 Asociación Mexicana de Metabolismo Oseo Y Mineral  
 Invited Speaker, 3<sup>rd</sup> Skeletal Endocrinology Congress, Brescia, Italy  
 Invited Speaker, Novartis Advisory Board on Early Detection and Therapy of Osteoporosis  
 FASEB Summer Conference on NAD Signaling, Phoenix  
 Chair and Speaker, Symposium on Osteoporosis, American College of Physicians  
 New Frontiers of Skeletal Research, American Society for Bone and Mineral Research  
 3<sup>rd</sup> New York Skeletal Biology and Medicine Conference, New York

## 2008

Science Lecture Series, Jefferson Medical School, Philadelphia  
 Director and Speaker, Advanced Preceptorship in Osteoporosis for Spanish Rheumatologists  
 Speaker, Endocrinology Grand Rounds, Weill Medical College of Cornell University  
 Speaker, Endocrinology Grand Rounds, Boston University School of Medicine  
 Chair and Symposium Speaker, Mega-Symposium on Osteoporosis Management, New York  
 Chair and Symposium Speaker, American Society of Bone and Mineral Research Society Meeting-  
 Landmark Advances in Osteoporosis Research, Montreal  
 Keynote Speaker, Reclast Launch Roadshow, Durban, Johannesburg, Pretoria, and Cape Town  
 Invited Speaker, Jornada de Obstetricia y Ginecología, Ponce

Symposium Speaker, American Society of Nephrology  
 Plenary Lecturer, 7 Congreso Nacional de Climaterio y Menopausia, Ixtapa, Mexico  
 Invited Speaker, Kennedy Institute of Rheumatology, Imperial College, London  
 Invited Speaker, II International Conference on Gonadotropins and Receptors, Theobalds Park, England  
 Invited Lecture, Northern California Institute of Bone Health Conference  
 Speaker, Obstetrics and Gynecology Grand Rounds, New York University School of Medicine  
 Invited Speaker, Cleveland Review on Rheumatic Diseases  
 Invited Speaker, Reclast Bone Summit  
 SWR German Public Radio  
 Speaker, University of Alabama at Birmingham Musculoskeletal Center Symposium  
 Invited Speaker, Orthopedics Grand Rounds, University of Rochester, New York  
 Guest Speaker, Massachusetts Physician Assistants Society  
 Yale Musculoskeletal Core Center Seminar Speaker, Yale School of Medicine

## 2007

Guest Speaker, Sociedad Puertorriquera de Endocrinología y Diabetología, San Juan  
 Invited Speaker, American Association of Clinical Endocrinologists, New Jersey Chapter  
 Invited Speaker, Calcium Binding Protein Symposium, La Palma, Spain  
 Panelist, NIH Peer Review, American Society for Bone and Mineral Research, Honolulu  
 Symposium Speaker, American Society for Bone and Mineral Research, Honolulu  
 Keynote Speaker, Ibandronate Training Meeting, San Francisco  
 Speaker, 17<sup>th</sup> Meeting of the International Society for Bone and Mineral Research, Montreal  
 Symposium Speaker, Annual Meeting of the Endocrine Society, Toronto  
 Keynote Speaker, Lilliam Haddock Osteoporosis Day, Puerto Rico Endocrinology Society  
 Speaker, 2<sup>nd</sup> New York Academy of Sciences Conference on Skeletal Biology and Medicine  
 European Calcified Tissues Society, Copenhagen  
 Speaker, Medical Grand Rounds, Dartmouth Medical School  
 Invited Investigator, NIA Workshop on Translational Research on Aging  
 Invited Speaker, The Population Council, Rockefeller University

## 2006

MSSM Showcasing Lecture, Mount Sinai  
 Keynote Lecture, VI International Meeting on Cancer and Bone  
 Speaker, NIH Clinical Center Endocrinology Grand Rounds  
 Keynote Speaker, 12<sup>th</sup> Annual New England Bone Club  
 Symposium Speaker, American Thyroid Association, Phoenix  
 Symposium Speaker, American Society for Bone and Mineral Research, Philadelphia  
 Invited Speaker, Santa Fe Bone Symposium  
 Guest Speaker, Japanese Society for Bone and Mineral Research, Tokyo  
 Symposium Speaker, EULAR Congress, Amsterdam  
 Invited Speaker, Wyeth Menopause Meeting, Nova Scotia  
 Invited Speaker, International CD38 Meeting, Torino, Italy  
 Keynote Speaker, US Launch for Ibandronate Injection, Las Vegas  
 Keynote Speaker, Association of Rheumatologists, San Juan  
 Invited Speaker, 3<sup>rd</sup> Jornada de Obstetricia y Ginecología, Pounce  
 Speaker, Scientific Symposium, University of Alabama at Birmingham

## 2005

Osteoporosis: Channel 11 (WB, New York), aired on 60 TV stations nationally  
 Visiting Professor and Lecturer, University of Tokushima, Japan  
 Speaker, CMBD Seminar, University of Alabama, Birmingham  
 Keynote Lecture, 2<sup>nd</sup> Japan Bone Biology Forum, Susono City, Japan  
 Invited Speaker, Society for Endocrinology Annual Meeting, London  
 Plenary Lecture, Endocrine Society of India and Indian Society for Bone and Mineral Research, Delhi  
 Grant Reviewing Workshop, American Society for Bone and Mineral Research, Nashville  
 Visiting Professor, Emory University School of Medicine



**2004**

Keynote Lecture, Japan National Conference, KIGS, Tokyo  
 Invited Lecture, "NIH Peer Review", American Society for Bone and Mineral Research  
 State-of-the-Art Lecture, American Society for Bone and Mineral Research  
 American Thyroid Association, Vancouver  
 European Thyroid Association, Istanbul (declined)  
 Speaker, Gordon Research Conference on Musculoskeletal Biology  
 Invited Speaker, Calcium Signaling Meeting, Finnish Academy and Finnish Society of Physiology, Ronveini  
 Frontiers of Skeletal Biology, Davos  
 Visiting Professor, University of Virginia, Charlottesville  
 Medical Grand Rounds and Visiting Professor, Tulane Medical School  
 Bone Seminar and Visiting Professor, Washington University School of Medicine, St. Louis

**2003**

Chair, Osteoporosis Pathophysiology, American Society for Bone and Mineral Research  
 Keynote Luncheon Speaker and Session Chair, 2<sup>nd</sup> Joint Meeting of the International Bone and Mineral  
 Society and Japanese Society for Bone and Mineral Research, Osaka, Japan  
 Distinguished Lecture, Sankyo Pharmaceuticals, Tokyo, Japan  
 Medical Grand Rounds Speaker, Temple University School of Medicine, Philadelphia  
 Invited Speaker, American College of Obstetrics and Gynecology, Syracuse, New York  
 Orthopedics Grand Rounds Speaker, University of Rochester, New York  
 Rheumatology Grand Rounds Speaker, University of Illinois College of Medicine  
 Visiting Professor, Jones Institute, University of East Virginia  
 International Rheumatological Network, New York

**2002**

Invited Speaker and Session Chair, Cambridge Philosophical Society, Cambridge, England  
 Workshop on Aging Musculoskeletal System and Skin, National Institute on Aging  
 Keynote Symposium Speaker, American Society for Bone and Mineral Research, San Antonio  
 Invited Speaker, 185<sup>th</sup> Meeting of the Interurban Clinical Club, New York  
 Speaker and Moderator, Fracture Prevention Symposia, New York  
 International Osteoporosis Symposium Speaker, Shanghai, China  
 Transplant Bone Diseases Meeting, Buenos Aires, Argentina  
 Invited Talk, Joslin Center, Syracuse, New York  
 Endocrine Grand Rounds Speaker, Robert Wood Johnson Medical School  
 Invited Speaker, Rheumatology Society of New Jersey

**2001**

Visiting Professor, University of Pittsburgh School of Medicine  
 Visiting Professor, University of Alabama School of Medicine, Birmingham  
 2001 FASEB Summer Research Conference on Bone and Steroids, Whitefish, Montana  
 Meet-the-Professor, American Society for Bone and Mineral Research Meeting, Phoenix  
 Session Chair, Aging 2001—Trends and Interventions, New York  
 Endocrinology Grand Rounds Speaker, Cornell University Medical Center, New York  
 Invited Speaker, EMBO Workshop on Nuclear Transport, Strasbourg, France  
 Maven Research Professor, Novartis Pharmaceuticals  
 Endocrine Research Seminar, Columbia College of Physicians and Surgeons  
 Invited Speaker, Endocrinology Intercity Lecture, Hartford

**2000**

The Foster Tea Club Speaker, Physiological Laboratory, University of Cambridge, England  
 Speaker, Symposium on Minerals and Menopause, American Society of Clinical Endocrinologists  
 Metabolic Bone Disease—A Festschrift for Iain MacIntyre, FRS, Cambridge, England  
 1<sup>st</sup> Pediatrics Liver/Liver Transplant Grand Rounds Speaker, Mount Sinai School of Medicine  
 Distinguished Lecturer and Visiting Professor, University of Turin, Italy  
 Medicine Grand Rounds Speaker, Mount Sinai School of Medicine, New York

**1999**

Keynote Speaker, Thyroid Foundation of America, New York  
 Symposium Speaker, American Society for Bone and Mineral Research, St. Louis  
 Visiting Professor, University of Wales School of Medicine at Cardiff  
 Medicine Grand Rounds Speaker, State University of New York at Stony Brook

**1998**

Invited Seminar Speaker, University of Pennsylvania School of Dentistry  
 Leadership VA 1998: "Geriatrics and Extended Care at the Philadelphia VA"  
 Endocrinology Grand Rounds Speaker, College of Physicians and Surgeons, Columbia University  
 Visiting Scientist, The Physiological Laboratory, University of Cambridge, England  
 Medical Grand Rounds Speaker, University of Wisconsin, Madison

**1997**

Session Chair for Plenary Oration, Meet-the-Professor, and Speaker, Endocrine Society of India, Lucknow  
 Invited Speaker, International Congress on Biomedical Aspects of Research into Aging, Venice  
 Invited Speaker, Advances in Mineral Metabolism, Aspen, Colorado  
 Veterans' Summit on Health Care Delivery in Geriatrics and Extended Care  
 Molecular Pathology Lecture, University of Alabama School of Medicine, Birmingham  
 Speaker, New York University Dental School Guest Lecture Series  
 Speaker, Endocrine Seminar Series, University of Pennsylvania School of Medicine

**1996**

Plenary Lecture, and Session Chair, Australian Bone and Mineral Society, Sydney  
 Speaker, Bone Disease for Rheumatologists, French Institute for Culture and Technology  
 Invited Speaker, International Symposium on Avian Endocrinology, Lake Louise, Canada  
 Keynote Speaker: Partner's Health Education Seminar, University of Pennsylvania

**1995**

Plenary Session Chair, 11<sup>th</sup> International Conference on Calcium Regulation, Melbourne  
 "Branchburg Osteoclast Workshop", Branchburg, New Jersey  
 Invited Speaker, 14<sup>th</sup> Joint Meeting of the British and European Endocrine Societies, England  
 Invited Speaker, 29<sup>th</sup> Meeting of European Society for Clinical Investigation and Medical Research Society,  
 Cambridge

**1994**

Plenary Lecture: Hellenic Society for the Study of Bone Metabolism, Athens  
 Keynote Lecture: 7<sup>th</sup> International Bone Cell Biology Meeting, Fuji, Japan  
 Post Bone Cell Biology Symposium Speaker, 7<sup>th</sup> International Bone Cell Biology Meeting, Fuji, Japan  
 Plenary Session Chair, American Society for Bone and Mineral Research, Kansas City  
 Guest Speaker, 12<sup>th</sup> Meeting of the Japanese Society of Bone and Mineral Research, Niigata, Japan  
 Invited Speaker, International Society of Bioanaloging Skeletal Implants, Modena, Italy  
 Invited Speaker, 'Table Ronde' Scientific Meeting on Transport Functions in Bone Cells, Paris  
 Distinguished Lectures at Teijin, Asahi and Hoechst Pharmaceuticals, Japan  
 Distinguished Lecture, University of Mekai, Saitama, Japan  
 Visiting Professor, University of Tokyo School of Medicine, Tokyo  
 Mini-symposium Speaker, 'Calcium Regulation', University of Bristol, England  
 Endocrine Unit, Massachusetts General Hospital  
 Internal Medicine Grand Rounds Speaker, University of Arkansas College of Medicine, Little Rock

**1993**

Speaker and Session Chair, II International Workshop on Osteobiology, Parma, Italy  
 Keynote Lecture, The Dutch Bone and Mineral Society, Leiden, Holland  
 Invited Speaker, Medical Research Council Experimental Embryology Seminar Series, London  
 Seminar Speaker, Washington University School of Medicine, St. Louis  
 Bone Biology Lecture Series, New York University Dental School  
 William Harvey Research Conference, London.

**1992**

The Foster Tea Club Speaker, The Physiological Laboratory of the University of Cambridge  
Invited Speaker, 10<sup>th</sup> Meeting of the European Blood Pressure Group, King's College, Cambridge, England  
Bone Club Lecture, University of Cambridge School of Medicine, England  
“Clinico–Scientific Lecture” of the Institute of Orthopedics, University of London  
11<sup>th</sup> International Conference on Calcium Regulating Hormones, Florence, Italy  
Visiting Professor, David Kriser Dental School, New York University

**1991**

Invited Speaker, Joint Meeting of the British Pediatric Society and British Nutrition Society  
Inflammation Research Lecture Series Speaker, Royal London Hospital  
Invited Speaker, Metabolic Diseases Branch, National Institutes of Health  
Symposium Speaker, 'Osteoporosis–An Update', University of London  
Visiting Professor, Sanjay Gandhi Postgraduate Medical Institute, Lucknow, India  
1<sup>st</sup> International Workshop on Osteobiology, Rosa Marina di Brindisi, Italy

**1990**

Medical Research Council's National Institute of Medical Research, London  
Seminar Speaker, The Physiological Laboratory, University of Cambridge

**1989**

Advanced Course in Endocrinology for Clinicians, British Postgraduate Medical Federation  
Speaker, CGRP Receptors Symposium, Hammersmith Hospital, London  
XVII International Union of Physiological Sciences, Helsinki, Finland

**1988**

Hard Tissue Lecture, University College, London

**1987**

Speaker, VI<sup>th</sup> International Congress on Calcitropic Hormones, Abano Terme, Italy  
Advanced Course in Endocrinology for Clinicians, British Postgraduate Medical Federation  
Basic Science Lecture Series, Royal Postgraduate Medical School, London  
Invited Talk, Imperial Cancer Research Fund, London

**PUBLICATIONS** (H-index = 82, Google Scholar)**A. Peer Reviewed and Invited Publications**

1. Zaidi, M., Bevis, P.J.R., Girgis, S.I., Lynch, C., Stevenson, J.C., MacIntyre, I. (1985) Circulating CGRP comes from the perivascular nerves. *European Journal of Pharmacology* 117: 283-284.
2. Zaidi, M., Bevis, P.J.R., Abeyasekera, G., Girgis, S.I., Wimalawansa, S.J., Morris, H.R., MacIntyre, I. (1986) The origin of circulating calcitonin gene-related peptide in the rat. *Journal of Endocrinology* 110: 185-190.
3. Bevis, P.J.R., MacIntyre, I., Morris, H.R., Zaidi, M. (1986) On the presence of a potent vasodilator, calcitonin gene-related peptide (CGRP) in rat plasma. *Journal of Physiology* 376: 25P (peer-reviewed abstract).
4. MacIntyre, I., Alevizaki, M., Bevis, P.J.R., Zaidi, M. (1987) Calcitonin and peptides from the calcitonin gene. *Clinical Orthopaedics and Related Research* 217: 45-55.
5. Zaidi, M., Briemer, L.H., MacIntyre, I. (1987) Biology of peptides from the calcitonin genes. *Quarterly Journal of Experimental Physiology* 72: 371-408.
6. Zaidi, M., Chambers, T.J., Gaines Das, R.E., Morris, H.R., MacIntyre, I. (1987) A direct action of human calcitonin gene-related peptide on isolated osteoclasts. *Journal of Endocrinology* 115: 511-518.
7. Zaidi, M., Fuller, K., Bevis, P.J.R., Gaines Das, R.E., Chambers, T.J., MacIntyre, I. (1987) Calcitonin gene-related peptide inhibits osteoclastic bone resorption: a comparative study. *Calcified Tissues International* 40: 149-154.
8. Zaidi, M., Chambers, T.J., Datta, H.K., Pasarella, E., Oldoni, T., Gaines Das, R.E., MacIntyre, I. (1987) Nuovo saggio per la determinazione delle calcitonine biologicamente attive. *Journal of the American Medical Association* (Special Volume) iv: 7-10.
9. Zaidi, M., Chambers, T.J., Bevis, P.J.R., Beacham, J.L., Gaines Das, R.E., MacIntyre, I. (1988) Effects of peptides from the calcitonin genes on bone and bone cells. *Quarterly Journal of Experimental Physiology* 73: 471-485.
10. Diez Guerra, J., Zaidi, M., Bevis, P., MacIntyre, I., Emson, P.C. (1988) Evidence for release of calcitonin gene-related peptide and neurokinin A from sensory nerve endings *in vivo*. *Neuroscience* 25: 839-846.
11. Kubota, Y., Inagaki, S., Shimada, S., Girgis, S.I., Zaidi, M., MacIntyre, I., Tohyama, M., Kito, S. (1988) Ontogeny of the calcitonin gene-related peptide in the nervous system of rat brain stem: an immunohistochemical analysis. *Neuroscience* 26: 905-926.
12. Breimer, L.H., MacIntyre, I., Zaidi, M. (1988) Peptides from the calcitonin genes: molecular genetics, structure and function. *Biochemical Journal* 255: 377-390.
13. MacIntyre, I., Zaidi, M., Milet, C., Bevis, P.J.R. (1988) Hormonal control of extracellular calcium. In: Handbook of Experimental Pharmacology: Volume 83. Ed. Baker, P.F. Springer Verlag (Berlin). pp 411-439.
14. Kubota, Y., Inagaki, S., Shimada, S., Kito, S., Zaidi, M., Girgis, S.I., MacIntyre, I., Tohyama, M. (1988) Transient appearance of calcitonin gene-related peptide-like immunoreactive fibers in the developing cerebellum of the rat. *Brain Research* 415: 385-388.
15. Zaidi, M., Girgis, S.I., MacIntyre, I. (1988) Development and performance of a highly sensitive carboxyl-terminal-specific radioimmunoassay of calcitonin gene-related peptide. *Clinical Chemistry* 34: 655-660.
16. Seth, R., Zaidi, M., Fuller, J., Self, C.H. (1988) A highly specific and sensitive enzyme immunometric assay for calcitonin gene-related peptide based on enzyme amplification. *Journal of Immunological Methods* 111: 11-16.

17. Zaidi, M., Moonga, B., Moss, D.W., MacIntyre, I. (1989) Inhibition of osteoclastic acid phosphatase abolishes bone resorption. *Biochemical and Biophysical Research Communications* 159: 68-71.
18. Zaidi, M., Breimer, L.H., MacIntyre, I. (1989) Production of calcitonin gene-related peptide from human cancer cells. *Journal of Endocrinology* 123: 159-165.
19. Datta, H.K., MacIntyre, I., Zaidi, M. (1989) Inhibition by elevated extracellular calcium of *in vitro* bone resorption by isolated rat osteoclasts. *Journal of Physiology* 413: 98P (peer-reviewed abstract).
20. Zaidi, M., Datta, H.K., Chambers, T.J., MacIntyre, I. (1989) Production and characterization of immunoreactive calcitonin gene-related peptide (CGRP) from a CGRP receptor-positive cloned osteosarcoma cell line (UMR106.01). *Biochemical and Biophysical Research Communications* 158: 214-219.
21. Zaidi, M. (1989) Review on Calcium Binding Proteins in Health and Disease. Ed: Norman, A.W., Vanaman, T.C., Means, A.R. *Biotechnology and Applied Biochemistry* 11: 513.
22. Datta, H.K., Zaidi, M., Champaneri, J.B., MacIntyre, I. (1989) Transforming growth factor  $\beta$ -induced mitogenesis of human bone cancer cells. *Biochemical and Biophysical Research Communications* 161: 672-676.
23. Emson, P.C., Zaidi, M. (1989) Further evidence for the origin of circulating calcitonin gene-related peptide in the rat. *Journal of Physiology* 412: 297-308.
24. Zaidi, M., Patchell, A., Datta, H.K., MacIntyre, I. (1989) Uncoupling of receptor-mediated cellular responses by ionic lithium. *Journal of Endocrinology* 123: 5-7.
25. McEwan, J., Legon, S., Wimalawansa, S.J., Zaidi, M., Dollery, C.T., MacIntyre, I. (1989) Calcitonin gene-related peptide: review of biology and relevance to cardiovascular system. In: Perspectives in Hypertension, Volume II: The Endocrine Mechanisms in Hypertension. Eds. Laragh, J.H., Brenner, B.M., Kaplan, N.M. Raven Press (New York). pp 287-306.
26. Datta, H.K., Zaidi, M., Wimalawansa, S.J., Ghatei, M.A., Beacham, J.L., Bloom, S.R., MacIntyre, I. (1989) *In vitro* and *in vivo* effects of amylin and amylin-amide on calcium metabolism in the rat and rabbit. *Biochemical and Biophysical Research Communications* 162: 876-881.
27. Abeyasekera, G., Datta, H.K., MacIntyre, I., Moonga, B.S., Patchell, A., Zaidi, M. (1989) G proteins mediate the acute effects of calcitonin on isolated osteoclasts. *Journal of Physiology* 420: 81P (peer-reviewed abstract).
28. Zaidi, M., Datta, H.K., Patchell, A., Moonga, B.S., MacIntyre, I. (1989) 'Calcium-activated' intracellular calcium elevation: a novel mechanism of osteoclast regulation. *Biochemical and Biophysical Research Communications* 163: 1461-1465.
29. Zaidi, M., Abeyasekera, G., MacIntyre, I. (1989) Calcitonin gene-related peptide: endocrine distribution and characterization of circulating forms. *Journal of Endocrinological Investigation* 12: 699-704.
30. Datta, H.K., MacIntyre, I., Zaidi, M. (1990) The effect of extracellular calcium elevation on morphology and function of isolated rat osteoclasts. *Bioscience Reports* 9: 747-751.
31. Zaidi, M., Datta, H.K., Bevis, P.J.R. (1990) Kidney: a target organ for calcitonin gene-related peptide. *Experimental Physiology* 75: 27-32.
32. Zaidi, M., Brain, S.D., Tippins, J.R., DiMarzo, V., Moonga, B.S., Chambers, T.J., Morris, H.R., MacIntyre, I. (1990) Structure-activity relationship of human calcitonin gene-related peptide. *Biochemical Journal* 269: 775-780.
33. Zaidi, M., Seth, R., Girgis, S.I., Self, C.H. (1990) Development and performance of a highly sensitive and specific two-site immunometric assay of calcitonin gene-related peptide. *Clinical Chemistry* 36: 1288-1294.
34. MacIntyre, I., Zaidi, M. (1990) Calcitonin: some recent developments. In: Osteoporosis: Physiological Basis, Assessment, and Treatment. Eds. DeLuca, H.F., Mazess, R. Elsevier (New York). pp 233-240.

35. Zaidi, M., Moonga, B.S., Bevis, P.J.R., Bascal, Z.A., Breimer, L.H. (1990) The calcitonin gene peptides: biology and clinical relevance. *CRC Critical Reviews in Clinical Laboratory Sciences* 28: 109-174.
36. MacIntyre, I., Kehely, A., Zaidi, M., Seth, R. (1990) Biological activity of calcitonin and its assessment. *Experimental Gerontology* 25: 331-338.
37. Zaidi, M., Chambers, T., Moonga, B., Oldoni, T., Passarella, E., Soncini, R., MacIntyre, I. (1990) A new approach for calcitonin determination based on target cell responsiveness. *Journal of Endocrinological Investigation* 13: 119-126.
38. Zaidi, M., Datta, H.K., Moonga, B.S., MacIntyre, I. (1990) Evidence that the action of calcitonin on rat osteoclasts is mediated by two G proteins acting via separate post-receptor pathways. *Journal of Endocrinology* 126: 473-481.
39. Moonga, B.S., Moss, D.W., Patchell, A., Zaidi, M. (1990) Intracellular regulation of enzyme secretion from rat osteoclasts and evidence for a functional role in bone resorption. *Journal of Physiology* 429: 29-45.
40. Zaidi, M., Datta, H.K., Bevis, P.J.R., Wimalawansa, S.J., MacIntyre, I. (1990) Amylin–amide: a new bone–conserving peptide from the pancreas. *Experimental Physiology* 75: 529-536.
41. Ghatei, M.A., Datta, H.K., Zaidi, M., Bretherton-Watt, D., Wimalawansa, S.J., MacIntyre, I., Bloom, S.R. (1990) Amylin and amylin–amide lack an acute effect on blood glucose and insulin. *Journal of Endocrinology* 124: R9-R11.
42. Datta, H.K., MacIntyre, I., Zaidi, M. (1990) Intracellular calcium in the control of osteoclast function. I. Voltage–insensitivity and lack of effects of nifedipine, BAYK8644 and diltiazem. *Biochemical and Biophysical Research Communications* 167: 183-188.
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